

**FORMER GENEVA FOUNDRY SITE
OPERABLE UNITS 1 AND 2
ONTARIO COUNTY, NEW YORK**

Final Engineering Report

NYSDEC Site Number: C835027

Prepared for:

CITY OF GENEVA
47 Castle Street
Geneva, New York 14456

Prepared by:

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DECEMBER 2018

CERTIFICATIONS

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

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

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

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

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

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

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, David K. Meixell, of Plumley Engineering, P.C., 8232 Loop Road, Baldwinsville, New York, am certifying as Owner's Designated Site Representative.


Signature
75577
NYS Professional Engineer #

December 20, 2018
Date



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LIST OF ACRONYMS

Acronym	Definition
AA	Alternatives Analyses
ASP	Analytical Services Protocol
BCA	Brownfield Cleanup Program
BCP	Comprehensive Environmental Response, Compensation and Liability Act
CAMP	Community Air Monitoring Program
CFR	Code of Federal Register
CLP	Contract Laboratory Program
COC	Certificate of Completion
DER	Division of Environmental Remediation
EC	Engineering Control
ECL	Environmental Conservation Law
ELAP	Environmental Laboratory Approval Program
HASP	Health and Safety Plan
IC	Institutional Control
IRMWP	Interim Remedial Measure Work Plan
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules and Regulations
OM&M	Operation, Maintenance and Monitoring
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RP	Remedial Party
SAC	State Assistance Contract
SCG	Standards, Criteria and Guidelines
SCO	Soil Cleanup Objective
SMP	Site Management Plan
SSD	Sub-slab Depressurization
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
USEPA	United States Environmental Protection Agency

FINAL ENGINEERING REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

The City of Geneva entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in June 2018, to investigate and remediate an approximate 2.494-acre property located in Geneva, New York. The property was remediated to restricted residential use.

The site is located in the County of Ontario, New York and is identified as tax parcels 104.8-1-34 and 104.8-1-50 on the Ontario County Tax Map. The site includes both tax parcels in their entirety and is bounded by Jackson Street and an undeveloped parcel to the north, Finger Lakes Railway to the south, a commercial garage, a residence and a furniture store to the east, and Finger Lakes Railway to the west (see Figure 1). The boundaries of the site are fully described in Appendix A: Survey Map, Metes and Bounds.

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

2.0 SUMMARY OF SITE REMEDY

2.1 REMEDIAL ACTION OBJECTIVES

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

2.1.2 Soil RAOs

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.
- Prevent impacts to biota due to ingestion/direct contact with soil causing toxicity or impacts from bioaccumulation through the terrestrial food chain.

2.2 DESCRIPTION OF SELECTED REMEDY

The site was remediated in accordance with the remedy selected by the NYSDEC in the ROD dated January 2017 and the Site Re-Grading Plan that was approved by NYSDEC September 1, 2017.

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

1. The four areas designated in the ROD for remediation were excavated to depths of two feet, with excavated soils being loaded directly on to trucks and transported to Seneca Meadows Landfill for disposal. The excavations were visually monitored and screened with a photoionization detector (PID) meter and an X-ray fluorescence (XRF) analyzer. When field observations indicated that sufficient soils had been removed, 21 confirmation soil samples were collected from the sides and bottoms of the excavations (see Figure 6). A demarcation layer was placed on the bottom and the excavations were backfilled with approved soil immediately after completion of the excavations.

2. Per the approved Site Re-Grading Plan, a series of soil samples were collected from below the remaining concrete slabs prior to site remediation. The purpose of the sampling was to assess the suitability of the site soils for final cover material when the concrete slabs were removed. Twenty-one grab samples were collected for VOC analyses and 11 composite soil samples were collected for analyses of SVOCs, pesticides and metals (see Figure 5). Each composite sample consisted of individual component samples collected from the designated area and were collected from soil depths representative of the soils to be used for cover material. There were no exceedances of Restricted Residential SCOs for VOCs. The composite samples included exceedances of several Restricted SCOs for SVOCs and metals. Sample locations and analytical results are noted on Figure 5 and Table 4. Approximately 1,964.35 tons of soil from areas C4 and C7 were excavated during the re-grading phase and transported to SML for disposal. Area C6 was covered with two feet of approved fill and areas C9 and C11 were paved with asphalt.
3. As part of the re-grading, a Beneficial Use Determination (BUD) petition was submitted to NYSDEC to allow residual concrete slabs and foundations to be reduced in size and re-used as on-site fill. As part of the BUD application, ten representative samples of the concrete were collected and submitted for asbestos, metals, VOCs and SVOC analysis. Table 5 presents the analytical results that exceeded Restricted Residential SCOs. The BUD request was approved by NYSDEC on January 3, 2018. Concrete that exceeded Restricted SCOs was placed in the west end of area C& under a demarcation layer and covered with two feet of approved cover material (see Figure 5).
4. Construction and maintenance of a soil cover system consisting of pavement or soils that do not exceed restricted residential SCOs to prevent human exposure to remaining contaminated soil/fill remaining at the site;
5. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the site.
6. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting;
7. Periodic certification of the institutional and engineering controls listed above.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

The information and certifications made in the December 2015 Revised Supplemental Remedial Investigation/Alternatives Analysis Report were relied upon to prepare this report and to certify that the remediation requirements for the site have been met.

3.1 INTERIM REMEDIAL MEASURES

Two interim remedial measures (IRMs) were implemented at the site. In 1998, abandoned containers including drums, pails, gas cylinders and aerosol cans were removed from the site and were properly disposed of off-site. The second IRM was implemented in 2005. Following an asbestos survey, asbestos-containing materials (ACMs) were removed from the on-site buildings. The former foundry buildings were then demolished, leaving concrete slabs and foundation walls.

3.2 OPERABLE UNITS

As noted in Figure 2, in 2017, the site was divided into the following operable units (OU):

Operable Unit 1: the main former foundry parcel located south of Jackson Street (tax parcel 104.8-1-34).

Operable Unit 2: the smaller former foundry parcel located north of Jackson Street (tax parcel 104.8-1-50).

Operable Unit 3: Off-site residential properties that are being remediated independently of the OU-1 and OU-2 site work.

3.3 REMEDIAL CONTRACTS

Remedial contracts and descriptions are documented in Section 4.2.1. No separate construction contracts were performed.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP) for the Former Geneva Foundry site (May 2017). All deviations from the RAWP are noted below.

4.1 GOVERNING DOCUMENTS

4.1.1 Site Specific Health & Safety Plan (HASP)

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

The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site. A copy of the HASP is included in Appendix L.

4.1.2 Quality Assurance Project Plan (QAPP)

The July 2017 QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/ quality control activities designed to achieve the project data quality objectives.

4.1.3 Storm-Water Pollution Prevention Plan (SWPPP)

The erosion and sediment controls for all remedial construction were performed in conformance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control and the July 2017 site-specific Storm Water Pollution Prevention Plan (Submission Number: 2TM-NR5M-YMRJ).

4.1.4 Community Air Monitoring Plan (CAMP)

Actual CAMP results and response actions are provided in a later section. In accordance with Section 9.0 of the approved HASP (see Appendix L), CAMP monitoring was performed for VOCs and particulates at upwind and downwind locations during all on-site remedial and site re-grading activities. Wind direction was determined via an on-site wind sock, and CAMP monitoring data was downloaded and saved.

4.1.5 Contractors Site Operations Plans (SOPs)

The Remediation Engineer reviewed all plans and submittals for this remedial project (i.e. those listed above plus contractor and subcontractor submittals) and confirmed that they were in compliance with the RAWP. All remedial documents were submitted to NYSDEC and NYSDOH in a timely manner and prior to the start of work.

4.1.6 Community Participation Plan

As noted in the ROD, a public comment period was held, during which the public was encouraged to submit comments on the proposed remedy. Comments received during the comment period were considered by NYSDEC in selecting a remedy for the site. Site-related reports and documents were made available for review by the public at:

Geneva Free Library
Attn: Reference Librarian
244 Main Street
Geneva, New York 14456

A public meeting was held October 18, 2016. At the meeting, the findings of the remedial investigation (RI) and the alternative analyses (AA) were presented along with a summary of the proposed remedy. After the presentation, a question and answer period was held, during which verbal and written comments were accepted on the proposed remedy. Comments and responses were summarized and addressed in the responsiveness summary section of the ROD.

4.1.7 Site Re-Grading Plan

The July 2017 Site Re-Grading Plan addressed the removal of the concrete slabs and foundation walls that remained at the site following the 2005 demolition of the building structures. The plan also addressed the re-grading of the site after the removal of the concrete structures.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

Plumley Engineering, P.C. is the certifying Engineer of Record. Other firms that provided services at the site prior to Plumley Engineering's involvement are described below:

Passero Associates, P.C. prepared the following report:

- August 2000 *Site Investigation Report and Remedial Alternatives Report*.

O'Brien & Gere Engineers, Inc. prepared the following reports:

- January 2006 *Field Sampling Plan*, and
- September 2007 *Supplemental Remedial Investigation/Alternatives Analysis Report*.

Plumley Engineering prepared the following reports:

- December 2015 *Revised Supplemental Remedial Investigation/Alternatives Analysis Report (RSRI/AA)*,
- May 2017 *Remedial Action Work Plan (RAWP)*,
- May 2017 *Health and Safety Plan (HASP)*,
- July 2017 *Quality Assurance Protection Plan (QAPP)*,
- July 2017 *Site Re-Grading Plan*,
- July 2017 *Stormwater Pollution Prevention Plan*, and
- December 2018 *Site Management Plan (SMP)*.

City of Geneva employees demolished the site buildings in 2005 and assisted in the removal of the concrete slabs and foundations in 2017 and 2018.

Bob Helstrom's Backhoe Services completed the remedial excavation, removed the foundations and slabs, and prepared the initial site re-grading under Plumley Engineering's supervision. Riccelli Trucking, Inc. transported the excavated soil to Seneca Meadows Landfill for disposal. Massa Construction, Inc. performed the final grading and seeding of the site, including the planting of 18 trees.

4.2.2 Site Preparation

A pre-construction meeting was held with NYSDEC and the remedial contractors on October 31, 2017.

Documentation of agency approvals required by the RAWP is included in Appendix D. Other non-agency permits relating to the remediation project were not required. The City of Geneva approved the discharge of decontamination water to a sanitary sewer manhole located at the western end of Jackson Street.

All SEQRA requirements and all substantive compliance requirements for attainment of applicable natural resource or other permits were achieved during this Remedial Action.

4.2.3 General Site Controls

Prior to the initiation of remedial activities, the City of Geneva placed barricades along the boundaries of the site that border Jackson Street. Posted signs were subsequently attached to every other barricade stating no trespassing was allowed on the site.

Site activities during remedial and re-grading activities were documented in field notes and in the photo log included in Appendix E.

The site is relatively level and not prone to erosion. However, silt fencing was installed along the length of Jackson Street (the downgradient side of the site) to prevent soil from being transported off the site during construction activities. A full vehicle decontamination structure was installed near the northwestern corner of the south parcel at the main site access point. Vehicles leaving the site were washed using water from a hydrant located on the north side of Jackson Street. Wash water was contained in the decontamination unit and was pumped, as necessary, to a sanitary sewer manhole located at the western end of Jackson Street. The City of Geneva provided written authorization accepting this periodic discharge (see Appendix D).

In accordance with the approved RAWP, representative soil samples were collected from the four identified remedial areas prior to initiating the excavations. Analytical results from these samples were submitted to the Seneca Meadows Landfill as

part of an application to dispose of the excavated soils. The Seneca Meadows approval is included in Appendix F.

Following approval for disposal of the excavated soils, the four remedial areas were excavated to depths of two feet. Each excavation was monitored visually and with two field instruments: a photoionization detector (PID) to screen for volatile organic compounds (VOCs) and an X-Ray Fluorescence (XRF) meter to screen for concentrations of metals. Excavations were advanced until PID and XRF readings indicated that sufficient impacted soils had been removed. Excavated soils were loaded directly on to trucks and were transported to Seneca Meadows Landfill for disposal.

4.2.4 Nuisance Controls

A vehicle containment structure that was approximately 10 feet wide and 50 feet long was set up near the northwest corner of the south parcel adjacent to the main vehicle access driveway. Vehicles leaving the site were washed in the containment area using potable water obtained from a City hydrant located on the north side of Jackson Street. Per the written consent of the City (see Appendix D), contained wash water was periodically discharged to a sanitary sewer manhole located at the west end of Jackson Street. Water from the hydrant was also used, as necessary, to wash Jackson Street.

While the RAWP noted that an onsite water/vac truck equipped with a water cannon and a sprayer would be used to wet drive surfaces, the timing of the remediation coincided with the City's maintenance program to clean municipal storm water catch basins. Therefore, fire hoses connected to the Jackson Street hydrant were used to wet ground surfaces as necessary to minimize blowing dust.

Odors were not encountered at any time during the remedial activities.

Trucks leaving the site traveled east on Jackson Street to the intersection with NYS Route 14 (Exchange Street), which is a major north-south truck route. To head to the NYS Thruway, trucks turned left on NYS Route 14, which leads directly to Thruway Exit 42.

4.2.5 CAMP Results

In accordance with the CAMP procedures included in Section 9 of the HASP, upwind and downwind locations were monitored for dust and VOCs during all on-site field activities. In addition, a portable PID was used to screen all excavations. Copies of all field data sheets relating to the CAMP are provided in electronic format in Appendix G. VOCs were only encountered on one occasion when a gasoline-powered demolition saw was being used approximately 50 feet upwind of the downwind monitoring location. VOCs were detected at this time at levels less than 5 parts per million (ppm).

4.2.6 Reporting

Daily and monthly reports were not required.

The digital photo log required by the RAWP is included in electronic format in Appendix E.

4.3 CONTAMINATED MATERIALS REMOVAL

A list of the soil cleanup objectives (SCOs) for the contaminants of concern for this project is provided in Table 1. The locations of original sources and areas where excavations were performed is shown in Figure 5.

4.3.1 Soil

The four areas designated for remediation were excavated to two-foot depths starting at the former soil borings where exceedances of SCOs were initially found. The excavations were extended outwards and were screened with a PID and an XRF. The areas that were excavated are noted on Figure 5. Approximately 92 tons of impacted soil was excavated and transported to the Seneca Meadows Landfill for disposal. Copies of the manifests are included in Appendix F.

As part of the Regrading Plan, remaining soils in site areas that were not remediated were sampled to assess their suitability for use as cover material. The combined site was divided into 21 areas where grab soil samples were collected for VOC analyses, and into 11 areas where composite soil samples were collected for SVOCs, pesticides, PCBs and metals analyses. Samples were collected from soil depths

representative of the soils to be used for cover. Analytical results were documented in an October 13, 2017 letter to NYSDEC and did not indicate any exceedances of VOCs. Five areas had minor exceedances of SVOCs or metals, and these areas are noted in Figure 5. To address the exceedances, areas C4 and C7 (see Figure 5) were excavated to depths of two feet with the material being transported for off-site disposal. During re-grading, approximately 1,964 tons of impacted soil were excavated and transported to Seneca Meadows Landfill for disposal (see manifest copies in Appendix F). The concrete pad in area C6 was left in place and covered with approved cover material. Areas C9, C10 and C11 were paved or covered with approved cover.

4.3.1.1 Disposal Details

Table 6 shows the total quantities of each category of material removed from the site and the disposal locations. A summary of the samples collected to characterize the waste, and associated analytical results are summarized on Tables 2 and 5.

Letters from Applicants to disposal facility owners and acceptance letters from disposal facility owners are attached in Appendix F.

Manifests and bills of lading are included in electronic format in Appendix F.

4.3.1.2 On-Site Reuse

During the site regrading, concrete slabs and foundations were removed. Visually stained concrete and concrete from the remedial excavations were transported to Seneca Meadow Landfill for disposal. The remaining concrete was reused on-site in accordance with NYSDEC's January 3, 2018 approval of the requested modification of the Site Re-Grading Plan and Beneficial Use Determination (BUD) petition. Concrete that was reused on-site was reduced in size and placed in approximate one-foot layers in areas C4 and C7 (see Figure 5) and covered with approved soil cover. In addition, existing concrete in areas C6 and C10 were broken up in place and covered with approved soil cover.

4.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

A table and figure summarizing all end-point sampling is included in Table 6 and Figure 6, respectively, and all exceedances of SCOs are highlighted.

Laboratory results were submitted via the Department's EQUIS data reporting system. Data Usability Summary Reports (DUSRs) were prepared for all data generated in this remedial performance evaluation program. These DUSRs are included in Appendix I, and associated raw data is provided electronically in Appendix H.

4.5 IMPORTED BACKFILL

A total of approximately 230 tons of approved topsoil was imported to the site from Montemorano Brothers, Inc. for backfilling. A copy of the approved application to the DEC, which contains the chemical analytical results is provided in Appendix J. Backfill material was used throughout the site as topsoil on areas that were not paved.

4.6 CONTAMINATION REMAINING AT THE SITE

Table 6 summarizes the results of all soil samples remaining at the site after completion of Remedial Action that exceed the Track 1 (unrestricted) SCOs.

Figure 6 summarizes the results of all soil samples remaining at the site after completion of the remedial action that exceed the SCOs for restricted residential use.

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

4.7 SOIL COVER AND CAP SYSTEM

Exposure to remaining contamination in soil/fill at the site is prevented by a soil cover system or asphalt paving placed over the site. On different areas of the site, this cover system is comprised of a minimum of 24 inches of clean soil concrete, or asphalt pavement. Figure 5 shows the location of each cover type built at the Site. An Excavation Work Plan, which outlines the procedures required in the event the cover

system and/or underlying residual contamination are disturbed, is provided in Appendix B of the SMP.

4.8 OTHER ENGINEERING CONTROLS

The remedy for the site did not require the construction of any other engineering control systems.

Procedures for monitoring, operating and maintaining the cover system are provided in the Operation and Maintenance Plan in Section 4 of the Site Management Plan (SMP). The Monitoring Plan also addresses inspection procedures that must occur after any severe weather condition has taken place that may affect on-site ECs.

4.9 INSTITUTIONAL CONTROLS

The site remedy requires that an environmental easement be placed on the property to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to restricted residential, commercial or industrial uses only.

The environmental easement for the site was executed by the Department on November 19, 2018. A copy of the easement is provided in Appendix C.

4.10 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

The January 2017 RD outlined the requirements to address the four designated areas to be remediated that are noted on Figure 5. In order to return the site to productive use in an expedited and efficient manner, the City requested the Department to allow the remaining concrete slabs and foundations to be addressed following the remedial action. The *Site Re-Grading Plan* that was submitted to the Department is included in Appendix K.

A description of the site re-grading activities is included in Section 4.3.

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- L. Health and Safety Plan/Community Air Monitoring Plan

TABLES

FORMER GENEVA FOUNDRY SITE
Jackson Street
City of Geneva, Ontario County, New York
BCP Site No. C835027

TABLE 1 - SOIL CLEANUP OBJECTIVES (SCOs) FOR THE PROJECT

CONTAMINANT	RESTRICTED RESIDENTIAL ¹	CONTAMINANT	RESTRICTED RESIDENTIAL ¹	CONTAMINANT	RESTRICTED RESIDENTIAL ¹
Volatile Organic Compounds (VOCs) - mg/kg		Semi-Volatile Organic Compounds (SVOCs) - mg/kg		Metals - mg/kg (Continued)	
1,1,1-Trichloroethane	100	Acenaphthene	100	Manganese	2,000
1,1-Dichloroethane	26	Acenaphthylene	100	Total Mercury	0.81
1,1-Dichloroethene	100	Anthracene	100	Nickel	310
1,2-Dichlorobenzene	100	Benz(a)anthracene	1	Selenium	180
1,2-Dichloroethane	3.1	Benzo(a)pyrene	1	Silver	180
cis-1,2-Dichloroethene	100	Benzo(b)fluoranthene	1	Zinc	10,000
trans-1,2-Dichloroethene	100	Benzo(g,h,i)perylene	100	PCBs / Pesticides - mg/kg	
1,3-Dichlorobenzene	49	Benzo(k)fluoranthene	3.9	2,4,5-TP Acid (Silvex)	100
1,4-Dichlorobenzene	13	Chrysene	3.9	4,4'-DDE	8.9
1,4-Dioxane	13	Dibenz(a,h)anthracene	0.33	4,4'-DDT	7.9
Acetone	100	Fluoranthene	100	4,4'-DDD	180
Benzene	4.8	Fluorene	100	Aldrin	0.097
Butylbenzene	100	Indeno(1,2,3-cd)pyrene	0.5	alpha-BHC	0.48
Carbon tetrachloride	2.4	m-Cresol(s)	100	beta-BHC	0.36
Chlorobenzene	100	Naphthalene	100	Chlordane (alpha)	4.2
Chloroform	49	o-Cresol(s)	100	delta-BHC	100
Ethylbenzene	41	p-Cresol(s)	100	Dibenzofuran	59
Hexachlorobenzene	1.2	Pentachlorophenol	6.7	Dieldrin	0.2
Methyl ethyl ketone	100	Phenanthrene	100	Endosulfan I	24
Methyl tert-butyl ether	100	Phenol	100	Endosulfan II	24
Methylene chloride	100	Pyrene	100	Endosulfan sulfate	24
Propylbenzene-n	100	Metals - mg/kg		Endrin	11
sec-Butylbenzene	100	Arsenic	16	Heptachlor	2.1
tert-Butylbenzene	100	Barium	400	Lindane	1.3
Tetrachloroethene	19	Beryllium	72	Polychlorinated biphenyls	1
Toluene	100	Cadmium	4.3		
Trichloroethene	21	Chromium, hexavalent	110		
Trimethylbenzene-1,2,4	52	Chromium, trivalent	180		
Trimethylbenzene-1,3,5	52	Copper	270		
Vinyl chloride	0.9	Total Cyanide	27		
Xylene (mixed)	100+B2	Lead	400		

Notes:

¹New York Codes, Rules and Regulations, Title 6 (6NYCRR) Part 375-6.8(b)
mg/kg milligrams per kilogram, equivalent to parts per million (ppm)

FORMER GENEVA FOUNDRY SITE
Jackson Street
City of Geneva, Ontario County, New York
BCP Site No. C835027

TABLE 2 - WASTE CHARACTERIZATION SAMPLES BY AREA

Date Sampled: September 14, 2017

Client Sample ID:	Unit	OU1-1	OU1-2	OU1-3	OU2-1
Lab Sample ID:		JC51244-1	JC51244-2	JC51244-3	JC51244-4
GC/LC Semi-volatiles (SW846 8082A)					
Aroclor 1016	µg/kg	ND (15)	ND (15)	ND (15)	ND (16)
Aroclor 1221	µg/kg	ND (15)	ND (15)	ND (15)	ND (16)
Aroclor 1232	µg/kg	ND (10)	ND (10)	ND (10)	ND (10)
Aroclor 1242	µg/kg	ND (6.0)	ND (6.0)	ND (5.9)	ND (6.2)
Aroclor 1248	µg/kg	ND (22)	ND (22)	ND (22)	ND (23)
Aroclor 1254	µg/kg	ND (9.2)	ND (9.3)	ND (9.2)	ND (9.5)
Aroclor 1260	µg/kg	42.5	ND (12)	ND (12)	ND (12)
Aroclor 1268	µg/kg	ND (5.6)	ND (5.6)	ND (5.6)	ND (5.8)
Aroclor 1262	µg/kg	ND (2.8)	ND (2.9)	26.9 J	ND (3.0)
General Chemistry					
Corrosivity as pH	su	8.03 NC	11.07 NC	8.91 NC	8.02 NC
Cyanide Reactivity	mg/kg	2.7 U	2.5 U	2.6 U	2.6 U
Ignitability (Flashpoint)	Deg. F	>200	>200	>200	>200
Paint Filter Test	ml/100g	0.0 B ^a	0.0 B ^a	0.0 B ^a	0.0 B ^a
Solids, Percent	%	84.1	88.6	88.6	84.9
Sulfide Reactivity	mg/kg	59 U	56 U	56 U	56 U
MS Volatiles (SW846 8260C)					
Benzene	mg/L	ND (0.00070)	ND (0.00070)	ND (0.00070)	ND (0.00070)
2-Butanone (MEK)	mg/L	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)
Carbon tetrachloride	mg/L	ND (0.0027)	ND (0.0027)	ND (0.0027)	ND (0.0027)
Chlorobenzene	mg/L	ND (0.00087)	ND (0.00087)	ND (0.00087)	ND (0.00087)
Chloroform	mg/L	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,4-Dichlorobenzene	mg/L	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,2-Dichloroethane	mg/L	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)
1,1-Dichloroethene	mg/L	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)
Tetrachloroethene	mg/L	ND (0.0012)	ND (0.0012)	0.0254	ND (0.0012)
Trichloroethene	mg/L	ND (0.0013)	ND (0.0013)	ND (0.0013)	ND (0.0013)
Vinyl chloride	mg/L	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)
MS Semi-volatiles (SW846 8270D)					
2-Methylphenol	mg/L	ND (0.0089)	ND (0.0089)	ND (0.0089)	ND (0.0089)
3&4-Methylphenol	mg/L	ND (0.0088)	ND (0.0088)	ND (0.0088)	ND (0.0088)
Pentachlorophenol	mg/L	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4,5-Trichlorophenol	mg/L	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
2,4,6-Trichlorophenol	mg/L	ND (0.0092)	ND (0.0092)	ND (0.0092)	ND (0.0092)
1,4-Dichlorobenzene	mg/L	ND (0.0017)	ND (0.0017)	ND (0.0017)	ND (0.0017)
2,4-Dinitrotoluene	mg/L	ND (0.0055)	ND (0.0055)	ND (0.0055)	ND (0.0055)
Hexachlorobenzene	mg/L	ND (0.0033)	ND (0.0033)	ND (0.0033)	ND (0.0033)
Hexachlorobutadiene	mg/L	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)
Hexachloroethane	mg/L	ND (0.0039)	ND (0.0039)	ND (0.0039)	ND (0.0039)
Nitrobenzene	mg/L	ND (0.0064)	ND (0.0064)	ND (0.0064)	ND (0.0064)
Pyridine	mg/L	ND (0.0039)	ND (0.0039)	ND (0.0039)	ND (0.0039)
GC/LC Semi-volatiles (SW846 8081B)					
gamma-BHC (Lindane)	mg/L	ND (0.000040)	ND (0.000040)	ND (0.000040)	ND (0.000040)
Chlordane	mg/L	ND (0.0014)	ND (0.0014)	ND (0.0014)	ND (0.0014)
Endrin	mg/L	ND (0.000040)	ND (0.000040)	ND (0.000040)	ND (0.000040)
Heptachlor	mg/L	ND (0.000030)	ND (0.000030)	ND (0.000030)	ND (0.000030)
Heptachlor epoxide	mg/L	ND (0.000040)	ND (0.000040)	ND (0.000040)	ND (0.000040)
Methoxychlor	mg/L	ND (0.000045)	ND (0.000045)	ND (0.000045)	ND (0.000045)
Toxaphene	mg/L	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)
GC/LC Semi-volatiles (SW846 8151)					
2,4-D	mg/L	ND (0.0033)	ND (0.0033)	ND (0.0033)	ND (0.0033)
2,4,5-TP (Silvex)	mg/L	ND (0.00039)	ND (0.00039)	ND (0.00039)	ND (0.00039)

FORMER GENEVA FOUNDRY SITE
Jackson Street
City of Geneva, Ontario County, New York
BCP Site No. C835027

TABLE 2 - WASTE CHARACTERIZATION SAMPLES BY AREA

Date Sampled: September 14, 2017

Client Sample ID:	Unit	OU1-1	OU1-2	OU1-3	OU2-1
Lab Sample ID:		JC51244-1	JC51244-2	JC51244-3	JC51244-4
Metals Analysis					
Arsenic	mg/L	0.014 U	0.014 U	0.014 U	0.014 U
Barium	mg/L	0.078 B	0.20 B	0.44 B	0.73 B
Cadmium	mg/L	0.0035 U	0.0035 U	0.0035 U	0.0035 U
Chromium	mg/L	0.0043 U	0.0043 U	0.0043 U	0.0043 U
Lead	mg/L	0.021 B	0.014 B	0.016 B	0.26 B
Mercury	mg/L	0.000083 U	0.000083 U	0.000083 U	0.000083 U
Selenium	mg/L	0.033 U	0.033 U	0.033 U	0.033 U
Silver	mg/L	0.016 U	0.016 U	0.016 U	0.016 U

Notes:

Legend: Hit

- µg/kg micrograms per kilogram, equivalent to parts per billion (ppb)
- mg/L milligrams per liter, equivalent to parts per million (ppm)
- B Indicates analyte found in associated method blank
- J Indicates an estimated value
- NC
- U Indicates a result < MDL
- ^aNo free liquids.
- ND Not detected

FORMER GENEVA FOUNDRY SITE
Jackson Street
City of Geneva, Ontario County, New York
BCP Site No. C835027

TABLE 3 - REMAINING SOILS ABOVE SCO_s (FROM REMEDIATION) - EXCEEDANCES OF SCO_s

Client Sample ID:	Unit	Unrestricted Use Soil Cleanup Objective¹	Restricted Residential Use Soil Cleanup Objective¹	S-1	S-4	S-6	S-7	S-11	S-14
Lab Sample ID:				JC54627-1	JC54627-4	JC54627-6	JC54627-7	JC54627-11	JC54627-14
Date Sampled:				10/31/2017	10/31/2017	11/1/2017	11/1/2017	11/1/2017	11/1/2017
Metals Analysis									
Arsenic	mg/kg	13	16	5.5	4.8	13.3	11.2	5.4	10
Lead	mg/kg	63	400	101	52.3	108	42.6	30.8	123
Manganese	mg/kg	1,600	2,000	553	895	1,050	1,120	944	895
Mercury	mg/kg	0.18	0.81	0.081	0.48	0.19	0.29	0.13	0.091
Nickel	mg/kg	30	310	20.3	16.8	19.2	15.8	30.1	32.6
Zinc	mg/kg	109	10,000	98.3	92.4	518	74.6	87.7	95.9

Client Sample ID:	Unit	Unrestricted Use Soil Cleanup Objective¹	Restricted Residential Use Soil Cleanup Objective¹	S-15	S-16	S-17	S-18	S-19	S-20
Lab Sample ID:				JC54627-15	JC54627-16	JC54627-17	JC54627-18	JC54627-19	JC54627-20
Date Sampled:				11/1/2017	11/1/2017	11/1/2017	11/1/2017	11/1/2017	11/1/2017
Metals Analysis									
Arsenic	mg/kg	13	16	5.9	6.9	5.2	7.5	6.9	7.4
Lead	mg/kg	63	400	45.8	25.6	162	28.8	16.7	19.3
Manganese	mg/kg	1,600	2,000	2,190	1,560	606	244	548	435
Mercury	mg/kg	0.18	0.81	0.12	0.11	0.33	0.42	0.049	0.029 B
Nickel	mg/kg	30	310	24.5	32.2	22.2	23.9	34.3	32.6
Zinc	mg/kg	109	10,000	79.9	88.5	129	70.5	70.4	77.2

Notes:

Legend: Exceed* Exceed**

¹New York Codes, Rules and Regulations, Title 6 (6NYCRR) Part 375-6, Remedial Program Soil Cleanup Objectives , dated December 2006.

mg/kg milligrams per kilogram, equivalent to parts per million (ppm)

SCO Soil Cleanup Objective

* Exceedance of Unrestricted Use Soil Cleanup Objective

** Exceedance of Restricted Residential Soil Cleanup Objective

FORMER GENEVA FOUNDRY SITE
Jackson Street
City of Geneva, Ontario County, New York
BCP Site No. C835027

TABLE 4 - REMAINING SOILS ABOVE SCOs (FROM RE-GRADING) - EXCEEDANCES OF SCOs

Client Sample ID:	Unit	Unrestricted Use Soil Cleanup Objective¹	Restricted Residential Use Soil Cleanup Objective¹	C2	C3	C5	C6	C8	C9	C10	C11	C-D (COMPOSITE DUP)
Lab Sample ID:				JC51245-23	JC51245-24	JC51245-26	JC51245-27	JC51245-29	JC51245-30	JC51245-31	JC51245-32	JC51245-34
Date Sampled:				09/18/2017	09/18/2017	09/18/2017	09/18/2017	09/18/2017	09/14/2017	09/14/2017	09/14/2017	09/18/2017
MS Semi-volatiles (SW846 8270D)												
Benzo(a)anthracene	µg/kg	1,000	1,000	153	84.2	386	879	128	6,750	295	1,420	80.1
Benzo(a)pyrene	µg/kg	1,000	1,000	176	90.3	465	887	148	7,180	325	1,420	91.8
Benzo(b)fluoranthene	µg/kg	1,000	1,000	251	137	585	1,210	212	8,510	438	1,920	144
Benzo(k)fluoranthene	µg/kg	800	3,900	100	54.6	206	494	81.6	3,190	170	681	53.7
Chrysene	µg/kg	1,000	3,900	202	111	443	960	176	6,530	352	1,370	105
Dibenzo(a,h)anthracene	µg/kg	330	330	47.8	23.2 J	97	225	36.3 J	1,830	77.5	349	23.0 J
Fluoranthene	µg/kg	1,000	100,000	271	148	730	1,300	266	10,200	496	2,110	142
Indeno(1,2,3-cd)pyrene	µg/kg	500	500	170	79.9	385	809	128	4,950	269	1,100	87
GC/LC Semi-volatiles (SW846 8081B)												
4,4'-DDT	µg/kg	3.3	7,900	ND (0.68)	ND (0.69)	ND (0.62)	17.1	ND (0.63)	ND (0.64)	ND (0.63)	ND (0.62)	ND (0.68)
Metals Analysis												
Arsenic	mg/kg	13	16	6.4	5.3	7.8	32.5 ^b	9.8	18.9	5.4	7.1	12.5
Cadmium	mg/kg	2.5	4.3	0.32 B	0.25 B	0.24 B	6.7	0.22 B	0.38 B	0.36 B	0.079 B	0.37 B
Copper	mg/kg	50	270	106	48.7	69.3	796 ^b	29.5	59	29.8	28.4	37.3 ^a
Lead	mg/kg	63	400	176	64.5	82.6	1,770 ^b	124	114	59.3	29	81.6 ^a
Mercury	mg/kg	0.18	0.81	0.32	0.11	0.27	18.2	0.055	0.42	0.28	0.14	0.064
Nickel	mg/kg	30	310	17	15	16.3	112	11.4	18.9	15.3	26.2	11.7
Selenium	mg/kg	3.9	180	0.77 U	0.73 U	0.75 U	6.9 B ^b	0.74 U	1.7 B	0.75 U	0.73 U	1.5 U ^b
Silver	mg/kg	2	180	0.35 U	0.33 U	0.34 U	2.9 ^b	0.33 U	0.32 U	0.34 U	0.33 U	0.67 U ^b
Zinc	mg/kg	109	10,000	206	134	117	1,290 ^b	135	154	89.6	59.7	157
General Chemistry												
Chromium, Hexavalent	mg/kg	1	110	1.4	0.52	0.42 U	0.44 U	0.68	0.71	0.44 U	0.43 U	0.74
Chromium, Trivalent	mg/kg	30	180	20.9 ^c	18.6 ^c	11.5 ^c	52.3 ^c	12.7 ^c	14.7 ^c	11.9 ^c	22.1 ^c	15.5 ^c

Notes:

Legend:

Exceed*

Exceed**

¹New York Codes, Rules and Regulations, Title 6 (6 NYCRR), Part 375-6, *Remedial Program Soil Cleanup Objectives* , dated December 2006.

^aMore than 40% RPD for detected concentrations between the two GC columns.

^bElevated detection limit due to dilution required for high interfering elemen

^cCalculated as: (Chromium) - (Chromium, Hexavalent

SCO Soil Cleanup Objective

*Exceedance of Unrestricted Use Soil Cleanup Objective

**Exceedance of Restricted Residential Soil Cleanup Objectiv

µg/kg

micrograms per kilogram, equivalent to parts per billion (ppb)

J

Estimated Value

mg/kg

milligrams per kilogram, equivalent to parts per million (ppm)

B

Indicates analyte found in associated method blank

ND

Not detected above the laboratory method detection limit

U

Indicates a result < MDL

FORMER GENEVA FOUNDRY SITE
Jackson Street
City of Geneva, Ontario County, New York
BCP Site No. C835027

**TABLE 5 - SUMMARY OF ANALYTICAL RESULTS FROM CONCRETE SAMPLES
EXCEEDANCES OF SCOs**

Parameter	Restricted Residential Use Soil Cleanup Objective ¹ (mg/kg)	C-5	C-6	C-8
Benzo(a)anthracene	1	7.010	0.846	1.770
Benzo(a)pyrene	1	2.670	0.699	1.370
Benzo(b)fluoranthene	1	7.130	1.070	1.950
Chrysene	3.9	4.570	0.899	1.530
Dibenz(a,h)anthracene	0.33	0.596	0.0873	0.176
Indeno(1,2,3-cd)pyrene	0.5	1.750	0.338	0.568

Notes:

Legend: **Exceed**

¹New York Codes, Rules and Regulations, Title 6 (6 NYCRR), Part 375-6, *Remedial Program Soil Cleanup Objectives*, dated December 2006.

mg/kg milligrams per kilogram, equivalent to parts per million (ppm)

SCOs Soil Cleanup Objectives

FORMER GENEVA FOUNDRY SITE
Jackson Street
City of Geneva, Ontario County, New York
BCP Site No. C835027

TABLE 6 - REMEDIAL PERFORMANCE

Remedial Area	Soil Removed (tons)	Disposal Location
OU1-1	47	Seneca Meadows Landfill
OU1-2	25	Seneca Meadows Landfill
OU1-3	7	Seneca Meadows Landfill
OU2	13	Seneca Meadows Landfill
Area C4	1,048.64	Seneca Meadows Landfill
Area C7	915.71	Seneca Meadows Landfill

FIGURES



REF.: USGS - GENEVA SOUTH (NY) QUAD., 2013, 7.5 MIN. SCALE: 1"=2000'

FER/FIGURES
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PROJECT:

DWG. TITLE:

CLIENT:

LOCATION:

GENEVA FOUNDRY SITE SITE LOCATION MAP

CITY OF GENEVA

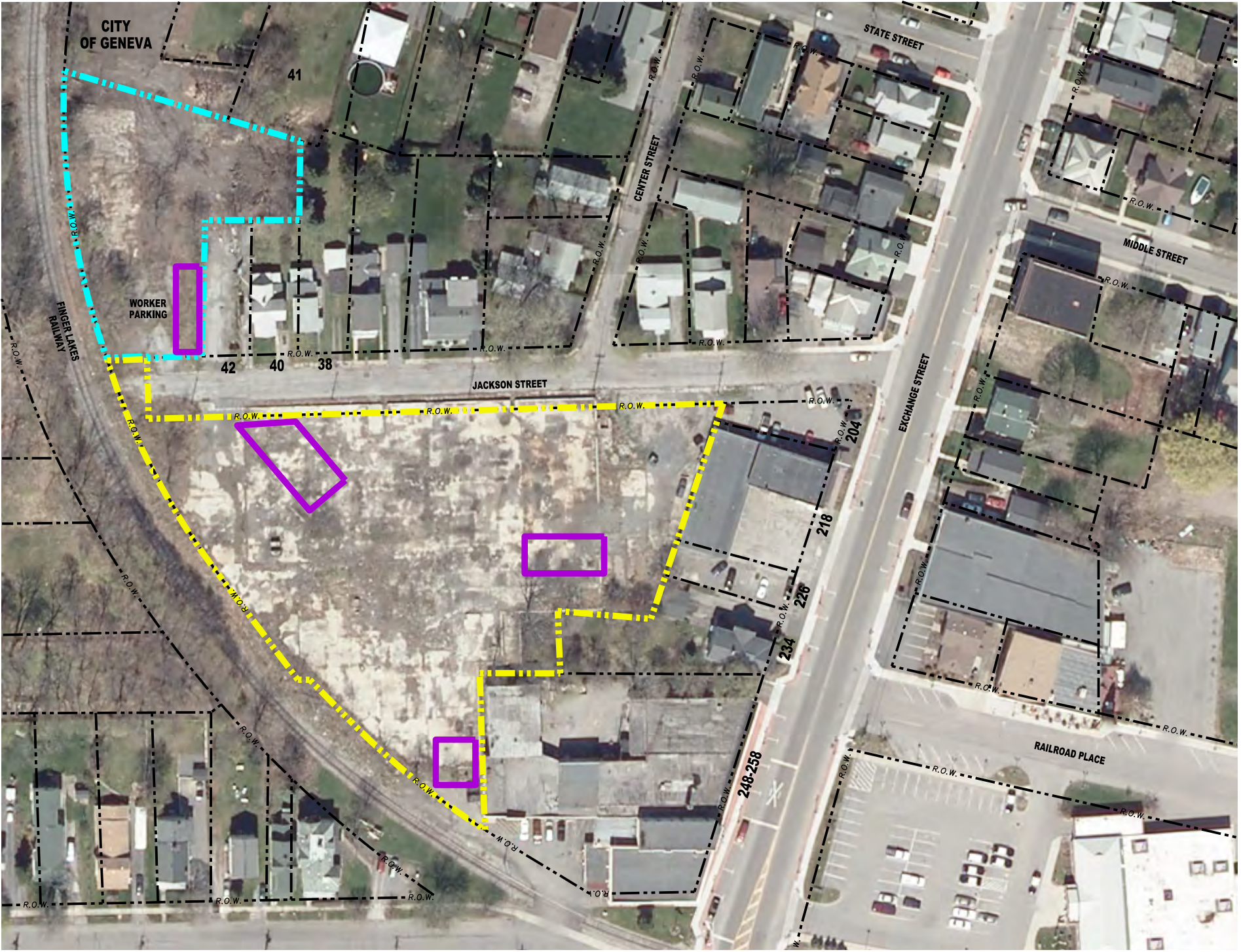
CITY OF GENEVA, ONTARIO COUNTY, NEW YORK

Note: No alteration permitted hereon except as provided under Section 7209 Subdivision 2 of the New York State Education Law.

PROJECT No.:	2015003
FILE NAME.:	FIGURE 1
SCALE:	AS NOTED
DATE:	DEC. 2015
ENG'D BY:	DKM
DRAWN BY:	JMD
CHECKED BY:	DRV

Key

- - - R.O.W. - - - Right of Way
- . - . - Property Line
- [Yellow dashed box] Operable Unit 1
- [Cyan dashed box] Operable Unit 2



Plan View



FER/FIGURES

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PROJECT:

DWG. TITLE:

CLIENT:

LOCATION:

GENEVA FOUNDRY SITE

SITE LAYOUT MAP

CITY OF GENEVA

CITY OF GENEVA, ONTARIO COUNTY, NEW YORK

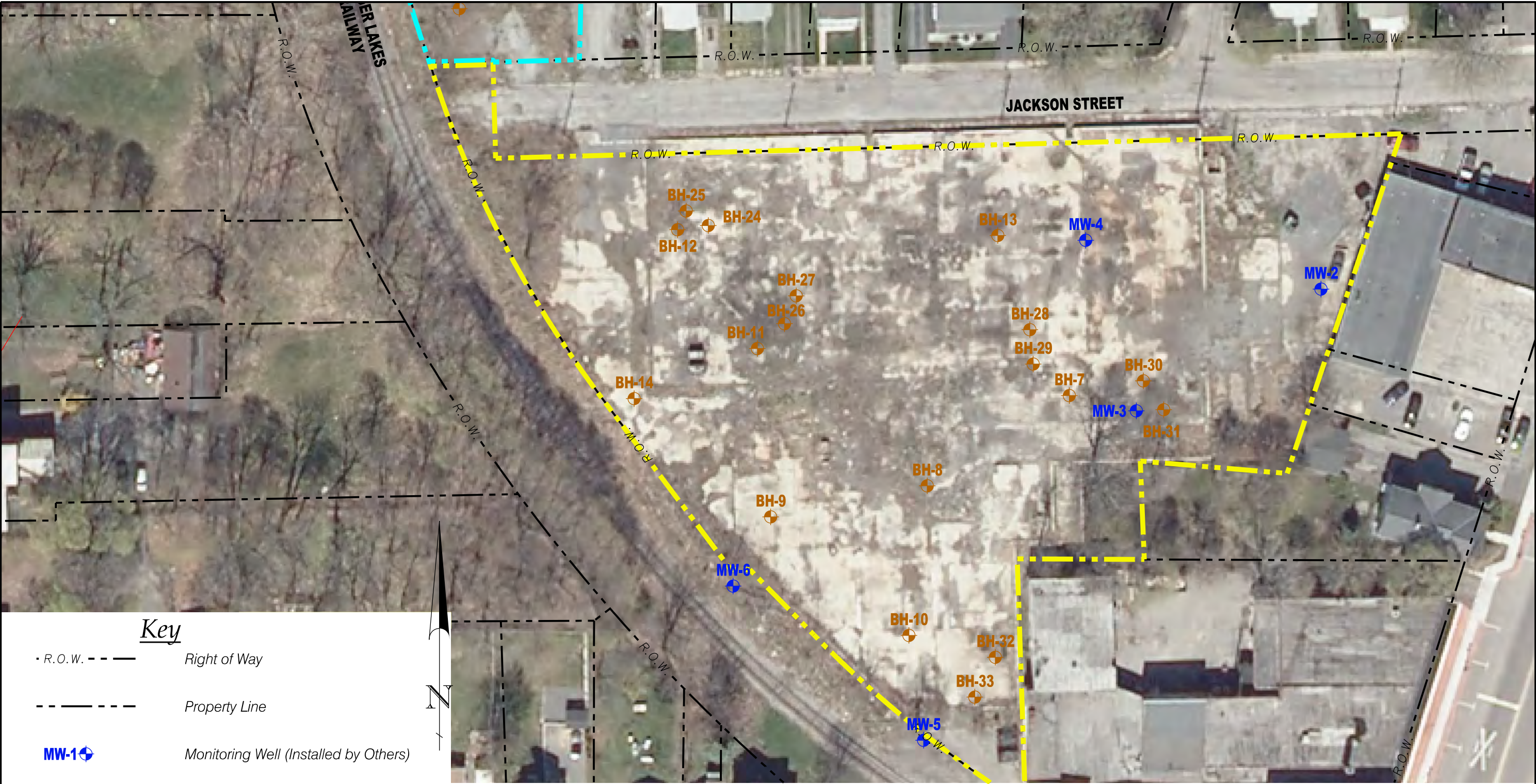
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PROJECT No.:	2015003
FILE NAME.:	FIGURE 2
SCALE:	AS NOTED
DATE:	MAY 2018
ENG'D BY:	DKM
DRAWN BY:	JJL
CHECKED BY:	DRV

SHEET NO.:

FER
FIGURE 2

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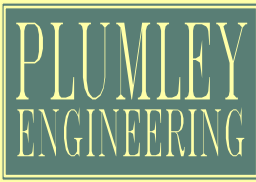


Key

- R.O.W. - - - Right of Way
- - - Property Line
- MW-1 Monitoring Well (Installed by Others)
- BH-15 Soil Boring (Performed by Others)

*SCOs are Restricted Use Soil Cleanup Objectives for Residential Protection.

Plan View



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PROJECT: **GENEVA FOUNDRY SITE**

DWG. TITLE: **SAMPLE LOCATIONS: OU-1**

CLIENT: **CITY OF GENEVA**

LOCATION: **CITY OF GENEVA, ONTARIO COUNTY, NEW YORK**

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PROJECT No.: 2015003
FILE NAME.: FIGURE 3
SCALE: AS NOTED
DATE: MAY 2018
ENG'D BY: DKM
DRAWN BY: JKL
CHECKED BY: DRV

SHEET NO.: **FER
FIGURE 3**

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Key

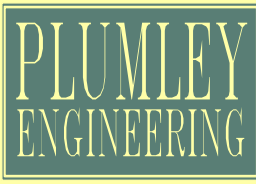
- R.O.W. - - - Right of Way
- - - Property Line
- MW-1 Monitoring Well (Installed by Others)
- BH-15 Soil Boring (Performed by Others)
- SS-37 Surface Soil Sample (Collected by Others)

*SCOs are Restricted Use Soil Cleanup Objectives for Residential Protection.

Plan View



FER/FIGURES



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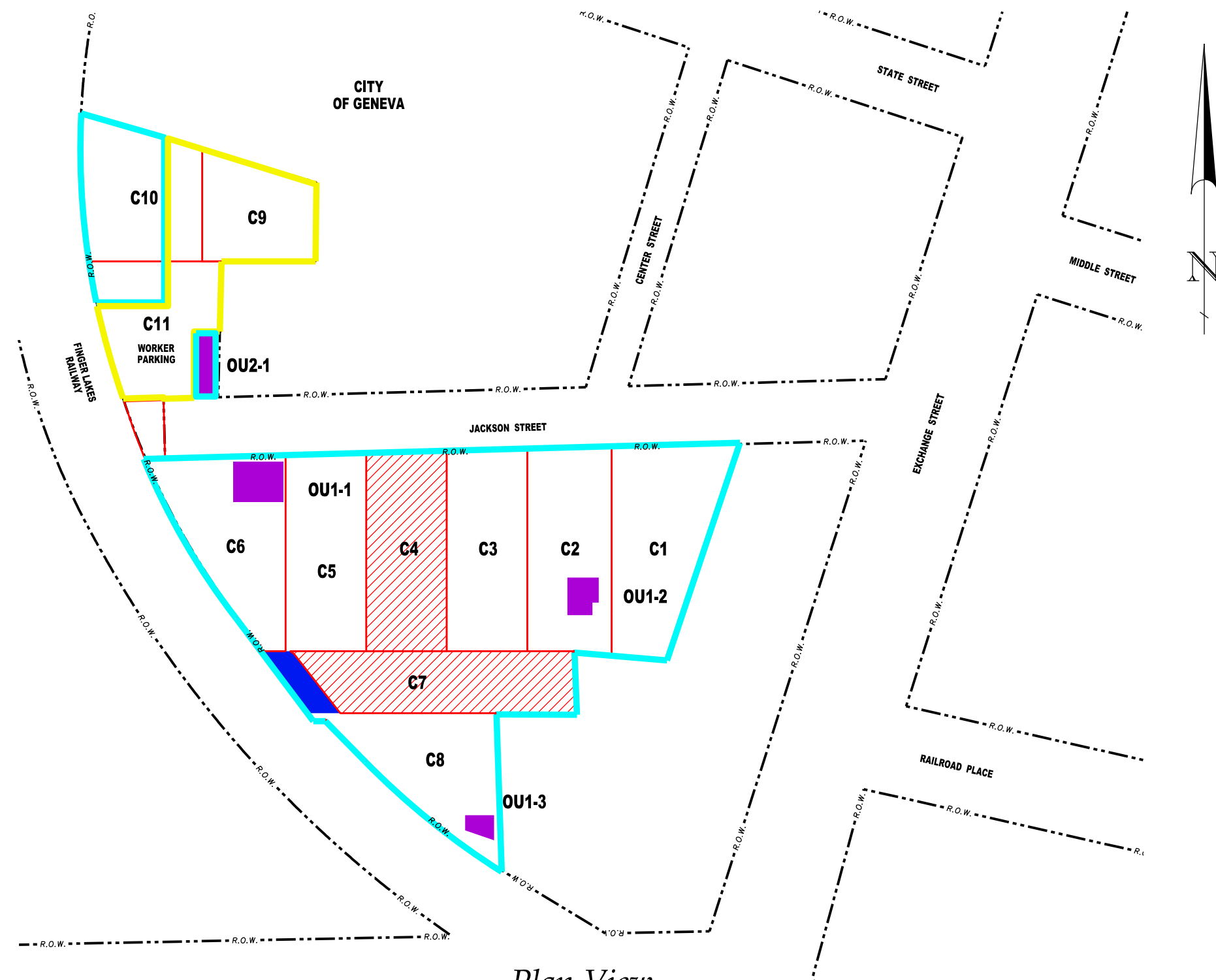
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PROJECT: **GENEVA FOUNDRY SITE**
DWG. TITLE: **SAMPLE LOCATIONS: OU-2**
CLIENT: **CITY OF GENEVA**
LOCATION: **CITY OF GENEVA, ONTARIO COUNTY, NEW YORK**
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PROJECT No.: 2015003
FILE NAME.: FIGURE 4
SCALE: AS NOTED
DATE: MAY 2018
ENG'D BY: DKM
DRAWN BY: JJL
CHECKED BY: DRV

SHEET NO.:
**FER
FIGURE 4**
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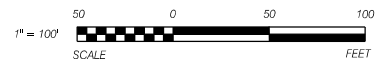


Key

- R.O.W. Right of Way
- Property Line
- Cover System of Asphalt Paving
- Cover System of 2 feet of Approved Fill and Vegetation
- Areas that were Remediated (Includes Demarcation Layer)
- Areas Excavated during Re-grading (Includes Demarcation Layer)
- Additional Demarcation Layer and area of buried concrete



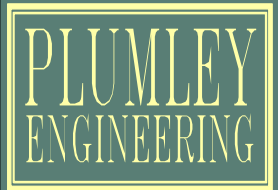
Plan View



★ SCO is for Restricted use Cleanup Objective for Residential Protection.



FER/FIGURES



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PROJECT: **GENEVA FOUNDRY SITE**

DWG. TITLE: **ENGINEERING CONTROLS LOCATION**

CLIENT: **CITY OF GENEVA**

LOCATION: **CITY OF GENEVA, ONTARIO COUNTY, NEW YORK**

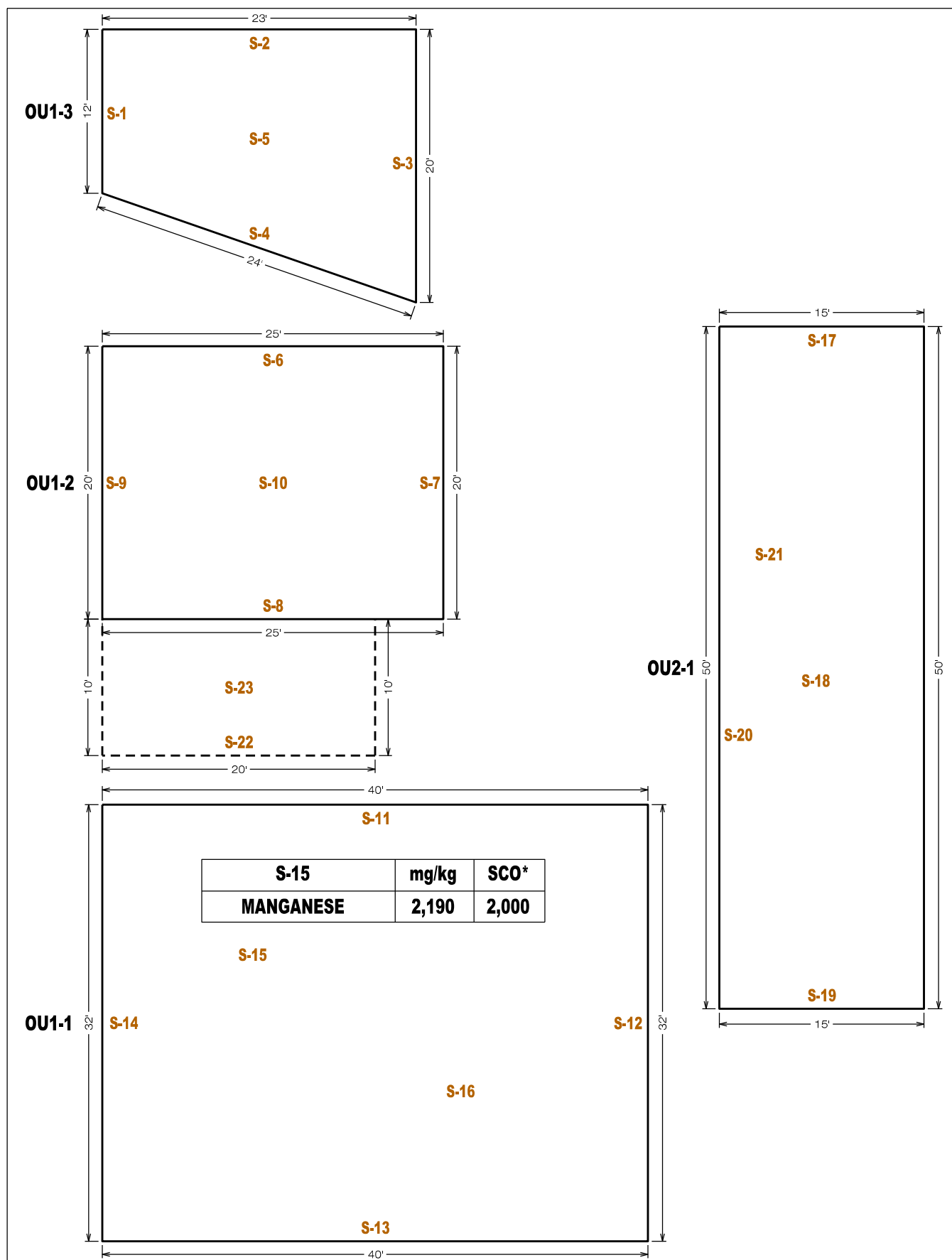
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PROJECT No.:	2015003
FILE NAME.:	FIGURE 5
SCALE:	AS NOTED
DATE:	APR. 2018
ENG'D BY:	DKM
DRAWN BY:	JJL
CHECKED BY:	DRV

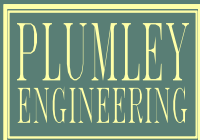
SHEET NO.:

**FER
FIGURE 5**

© Plumley Engineering, P.C. 2018



FER/FIGURES © Plumley Engineering, P.C. 2018



Civil and Environmental Engineering

PLUMLEY ENGINEERING, P.C.
8232 LOOP ROAD
BALDWINVILLE, NY 13027
TELEPHONE: (315) 638-9587
FAX: (315) 638-9740
WWW.PLUMLEYENG.COM

PROJECT:

GENEVA FOUNDRY SITE

DWG. TITLE:

REMOVAL DOCUMENTATION SAMPLING RESULTS

CLIENT:

CITY OF GENEVA

LOCATION:

CITY OF GENEVA, ONTARIO COUNTY, NEW YORK

Note: No alteration permitted hereon except as provided under Section 7209 Subdivision 2 of the New York State Education Law.

PROJECT No.: 2015003
FILE NAME.: **FIGURE 6**
SCALE: AS NOTED
DATE: MAY 2018
ENG'D BY: DKM
DRAWN BY: J.J.L.
CHECKED BY: DRV

APPENDICES

APPENDIX A

SURVEY MAP, METES AND BOUNDS

References

1. Abstract of title prepared by Crossroads Abstract, #0163936, last dated April 25, 2017 at 8:29 A.M.
2. Abstract of title prepared by Crossroads Abstract, #0163935, last dated April 25, 2017 at 8:29 A.M.
3. Map prepared by J.W. Brennan, C.E. titled "Map Showing Property Of Harold E. Hovey, Market Basket Corporation" last dated December 1923. Filed in City of Geneva Engineers Office, file #SU-29.
4. Map prepared by J. W. Brennan, C.E. titled "Map Showing Property Geneva Foundry Corp." last dated February 26, 1941. Filed in City of Geneva Engineers Office, file #SU-49.
5. Map prepared by J. W. Brennan, C.E. titled "Property Of Catchpole Foundry Co." last dated February 24, 1916. Filed in City of Geneva Engineers Office, file #SU-49.
6. Map prepared by J. W. Brennan, C.E. titled "Map Showing Property Of Geneva Baking Company" last dated July 5, 1940. Filed in City of Geneva Engineers Office, file #SU-129.
7. Map prepared by J. W. Brennan, C.E. titled "Location Of Buildings On Property Of Geneva Baking Co." last dated August 23, 1940. Filed in City of Geneva Engineers Office, file #SU-129.
8. Map Title "Right Of Way and Track Map New York Central Railroad" Map #V-88/49, dated June 30, 1917.
9. Map prepared by Leonard O. Gardner, PLS titled "Survey Map Property Of D's Tire Service, Inc., Estate Of Samuel M. Passalacqua, Walter V. Passalacqua & Dominic Passalacqua, Jr." last dated February 10, 1999. Ontario County filed map #24976.
10. Map prepared by Leonard O. Gardner, PLS titled "Survey Map Property Of Francis J. Tandle" last dated June 18, 2003. Ontario County filed map #27603.
11. Map prepared by Ronald M. Phillips, PLS titled "Map Of A Survey Of A Parcel Owned By D&R Distributing Comp." last dated January 8, 1978. Ontario County filed map #8311.
12. Map prepared by David J. Hanley, PLS titled "Survey Of Lands To Be Conveyed By Earnest & Ruth Vankoughnet" last dated November 29, 2008. Ontario County filed map #30978.
13. Map prepared by Ronald M. Phillips, PLS titled "A Map Of A Survey Of Land To Be Conveyed By William L. Greco, Jr." last dated December 12, 1997. Ontario County filed map #24090.
14. Map prepared by David M. Clark, PLS titled "Map Showing Lands Of Dennis C. Mahoney" last dated October 3, 2014. Ontario County filed map #34046.

Only copies from the original of this survey bearing the signature and the land surveyors inked seal (RED INK ONLY) or embossed seal shall be considered as true and valid copies.

Certifications indicated hereon, unless otherwise indicated, signify that this survey was prepared in accordance with the existing code of practice for land surveys as adopted by the NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS, the GENESSEE VALLEY LAND SURVEYORS ASSOCIATION and the MONROE COUNTY BAR ASSOCIATION. Said certifications shall be valid only to the party for whom the survey was prepared, and on that party's behalf to title company, governmental agency and lending institution listed hereon for mortgage proposed for said party for whom the survey was prepared. Certifications are not transferable to additional institutions or subsequent owners than as may be expressly stated hereon.

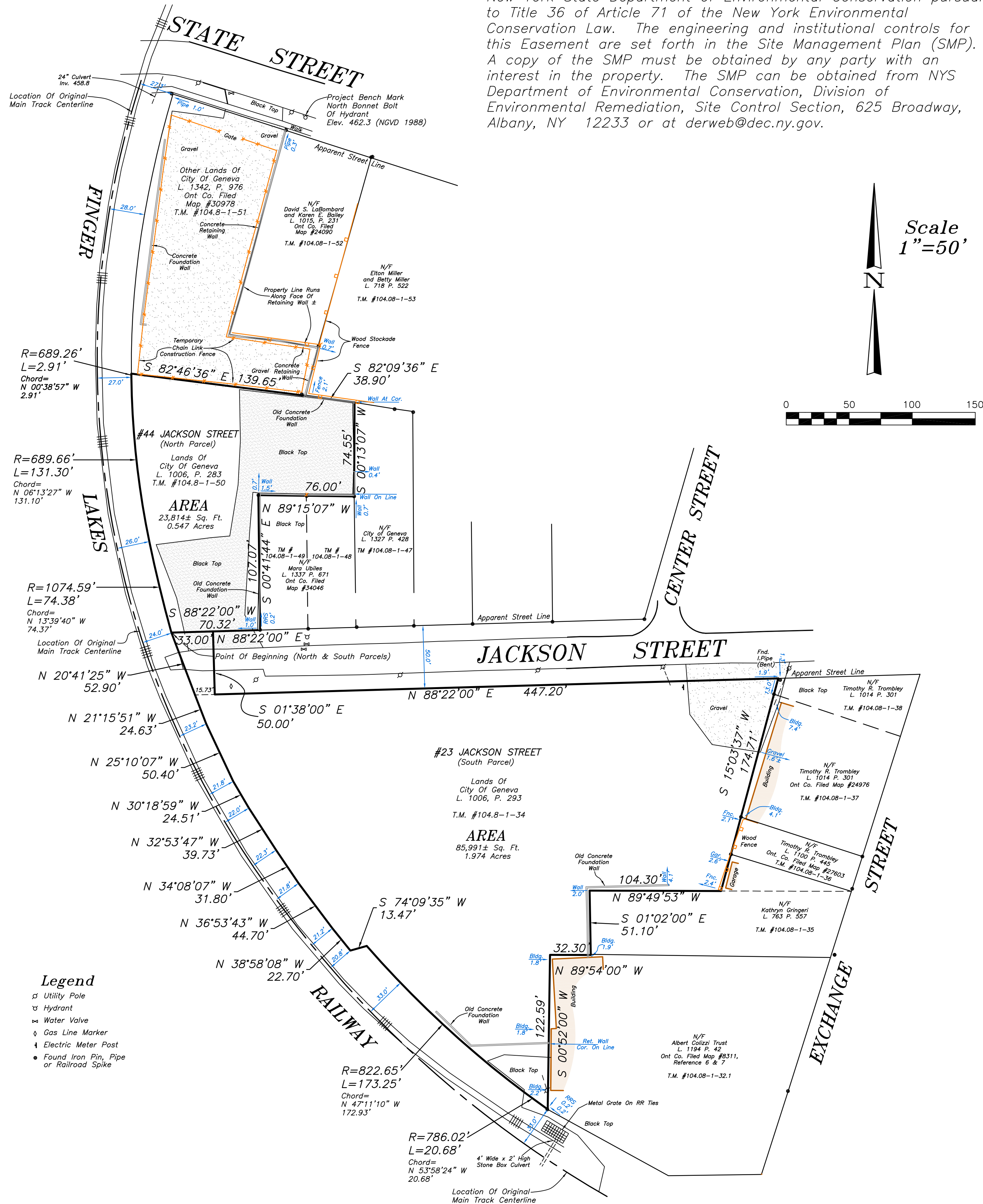
I, David M. Clark, PLS hereby certify that this map was prepared on MAY 1, 2018 from notes of an instrument survey completed on APRIL 27, 2018 and from various references listed hereon. No search was made for any easements, restrictions or encumbrances affecting this property other than those found in the references.

By: 
DAVID M. CLARK P.L.S. #049807

Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of Section 7209, Subdivision 2 of the New York State Education Law.

COPYRIGHT 2018, CLARK SURVEYORS, All Rights Reserved. Unauthorized duplication is a violation of applicable laws.

Revised 9/11/18 "South Parcel & Description" DMC



ENVIRONMENTAL EASEMENT

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

METES & BOUNDS DESCRIPTIONS

Note: The Environmental Easement Area covers the Entire Site.

NORTH PARCEL - 44 JACKSON STREET

ALL that tract or parcel of land situate in the City of Geneva, County of Ontario, State of New York. Being more particularly described as follows.

- Beginning at a point at the intersection of the northerly line of Jackson Street and the easterly line of the Railroad (Finger Lakes Railway). Thence the following nine (9) courses and distances.
1. Thence, Northerly along the easterly line of the Railroad on a curve to the right having a radius of 1,074.59 feet, an arc distance of 74.38 feet (Chord = N 13° 39' 40" W 74.37 feet) to a point;
 2. Thence, Northerly along the easterly line of the Railroad on a curve to the right having a radius of 689.66 feet, an arc distance of 131.30 feet (Chord = N 06° 13' 27" W 131.10 feet) to a point;
 3. Thence, Northerly along the easterly line of the Railroad on a curve to the right having a radius of 689.26 feet, an arc distance of 2.91 feet (Chord = N 00° 38' 57" W 2.91 feet) to a point;
 4. Thence, S 82° 46' 36" E along the southerly line of lands of the City of Geneva (L. 1342 P. 976) a distance of 139.65 feet to a point;
 5. Thence, S 82° 09' 36" E along the southerly line of lands of Elton & Betty Miller (L. 718 P. 522) a distance of 38.90 feet to a point;
 6. Thence, S 00° 13' 07" W along the westerly line of lands of the City of Geneva (L. 1327 P. 428) a distance of 74.55 feet to a point;
 7. Thence, N 88° 15' 07" W along the northerly line of lands of Mara Ubiles (L. 1337 P. 671) a distance of 76.00 feet to a point;
 8. Thence, S 00° 41' 44" E along the westerly line of lands of Mara Ubiles (L. 1337 P. 671) a distance of 107.07 feet to a point in the northerly line of Jackson Street;
 9. Thence, S 88° 22' 00" W along the northerly line of Jackson Street a distance of 70.32 feet back to the point of beginning.

Environmental Easement Area containing 23,814± Sq. Ft. or 0.547 Acres of land.

SOUTH PARCEL - 23 JACKSON STREET (Includes West End Of Jackson Street)

ALL that tract or parcel of land situate in the City of Geneva, County of Ontario, State of New York. Being more particularly described as follows.

- Beginning at a point at the intersection of the southerly line of Jackson Street and the easterly line of the Railroad (Finger Lakes Railway). Thence the following nineteen (19) courses and distances.
1. Thence, N 88° 22' 00" E along the northerly line of Jackson Street a distance of 33.00 feet to a point;
 2. Thence, S 01° 38' 00" E across Jackson Street a distance of 50.00 feet to a point in the southerly line of Jackson Street;
 3. Thence, N 88° 22' 00" E along the southerly line of Jackson Street a distance of 447.20 feet to a point;
 4. Thence, S 15° 03' 37" W along the westerly lines of lands of Timothy R. Trombley (L. 1014 P. 301, L. 1100 P. 445) and Kathryn Gringeri (L. 763 P. 557) a distance of 174.71 feet to a point;
 5. Thence, N 89° 49' 53" W along the northerly line of lands of Kathryn Gringeri (L. 763 P. 557) a distance of 104.30 feet to a point;
 6. Thence, S 01° 02' 00" E along the westerly line of lands of Kathryn Gringeri (L. 763 P. 557) a distance of 51.10 feet to a point;
 7. Thence, N 89° 54' 00" W along the northerly line of lands of Albert Colizzi Trust (L. 1194 P. 42) a distance of 32.30 feet to a point;
 8. Thence, S 00° 52' 00" W along the westerly line of lands of Albert Colizzi Trust (L. 1194 P. 42) a distance of 122.59 feet to a point;
 9. Thence, Northwestward along the easterly line of the Railroad on a curve to the right having a radius of 786.02 feet, an arc distance of 20.68 feet (Chord = N 53° 58' 24" W 20.68 feet) to a point;
 10. Thence, Northwestward along the easterly line of the Railroad on a curve to the right having a radius of 822.65 feet, an arc distance of 173.25 feet (Chord = N 47° 11' 10" W 172.93 feet) to a point;
 11. Thence, S 74° 09' 35" W along the lands of the Railroad a distance of 13.47 feet to a point;
 12. Thence, N 38° 58' 08" W along the easterly line of the Railroad a distance of 22.70 feet to a point;
 13. Thence, N 36° 53' 43" W along the easterly line of the Railroad a distance of 44.70 feet to a point;
 14. Thence, N 34° 08' 07" W along the easterly line of the Railroad a distance of 31.80 feet to a point;
 15. Thence, N 32° 53' 47" W along the easterly line of the Railroad a distance of 39.73 feet to a point;
 16. Thence, N 30° 18' 59" W along the easterly line of the Railroad a distance of 24.51 feet to a point;
 17. Thence, N 25° 10' 07" W along the easterly line of the Railroad a distance of 50.40 feet to a point;
 18. Thence, N 21° 15' 51" W along the easterly line of the Railroad a distance of 24.63 feet to a point;
 19. Thence, N 20° 41' 25" W along the easterly line of the Railroad a distance of 52.90 feet back to the point of beginning.

Environmental Easement Area containing 85,991± Sq. Ft. or 1.947 Acres of land.

PRELIMINARY
Map Showing
ENVIRONMENTAL EASEMENT
Over Lands Of
CITY OF GENEVA
(Former Geneva Foundry Site)
Situate In
City of Geneva
County Of Ontario
State Of New York

APPENDIX B

DIGITAL COPY OF THE FER (CD)

APPENDIX C

ENVIRONMENTAL EASEMENT



Ontario County Clerk Recording Page

Return To

HANCOCK ESTABROOK LLP
1500 AXA TOWER 1
100 MADISON ST STE 1500
SYRACUSE, NY 13202

Matthew J. Hoose, County Clerk

Ontario County Clerk
20 Ontario Street
Canandaigua, New York 14424
(585) 396-4200

Document Type: **EASEMENT**

Receipt Number: 409886

Grantor (Party 1)

GENEVA CITY

Grantee (Party 2)

NYS PEOPLE

Fees

Recording Fee	\$20.00
TP-584 Form Fee	\$5.00
Pages Fee	\$60.00
State Surcharge	\$20.00
Total Fees Paid:	\$105.00

Consideration: \$0.00

Control #: 201901090259
Ref #: TX 2019 001654

Refers To

D 01006 0293
D 01006 0283

Property located in **City of Geneva**

State of New York
County of Ontario

Recorded on January 9th, 2019 at 3:14:26 PM
in Liber **01421** of **Deeds**
beginning at page **0531**, ending at page **0542**,
with a total page count of **12**.

Ontario County Clerk

This sheet constitutes the Clerk's endorsement required by section 319 of the Real Property Law of the State of New York

**ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36
OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW**

THIS INDENTURE made this 19 day of November 2018, between Owner(s) The City of Geneva, New York, having an office at City Hall, 47 Castle Street, Geneva, New York 14456, County of Ontario, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee"), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 23 Jackson Street in the City of Geneva, County of Ontario and State of New York, known and designated on the tax map of the County Clerk of Ontario as tax map parcel numbers: Section 104.8 Block 1 Lot 34, being the same as that property conveyed to Grantor by deed dated November 5, 1998 and recorded in the Ontario County Clerk's Office in Liber and Page 1006/293. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 1.947 +/- acres, and is hereinafter more fully described in the Land Title Survey dated May 1, 2018 and last revised September 11, 2018 prepared by David M. Clark, P.L.S. of Clark Surveyors Land Surveying and Mapping, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, Grantor, is the owner of real property located at the address of 44 Jackson Street in the City of Geneva, County of Ontario and State of New York, known and designated on the tax map of the County Clerk of Ontario as tax map parcel numbers: Section 104.8 Block 1

Lot 50, being the same as that property conveyed to Grantor by deed dated November 5, 1998 and recorded in the Ontario County Clerk's Office in Liber and Page 1006/283. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 0.547 +/- acres, and is hereinafter more fully described in the Land Title Survey dated May 1, 2018 and last revised September 11, 2018 prepared by David M. Clark, P.L.S. of Clark Surveyors Land Surveying and Mapping, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: C835027-02-17, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. **Purposes.** Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. **Institutional and Engineering Controls.** The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

**Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii),
Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial
as described in 6 NYCRR Part 375-1.8(g)(2)(iv)**

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without

necessary water quality treatment as determined by the NYSDOH or the Ontario County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement

is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

- (i) are in-place;
- (ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to: Site Number: C835027
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

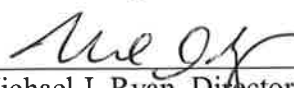
10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

11. Consistency with the SMP. To the extent there is any conflict or inconsistency between the terms of this Environmental Easement and the SMP, regarding matters specifically addressed by the SMP, the terms of the SMP will control.

Remainder of Page Intentionally Left Blank

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting by and Through the Department of Environmental Conservation as Designee of the Commissioner,

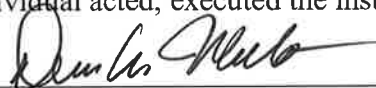
By:


Michael J. Ryan, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 19th day of November, in the year 2018, before me, the undersigned, personally appeared Michael J. Ryan, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.


Notary Public - State of New York

Drew A. Wellette
Notary Public, State of New York
Qualified in Schenectady Co.
No. 01WE6089074
Commission Expires 03/17/ 2019

SCHEDULE "A" PROPERTY DESCRIPTION

SOUTH PARCEL – 23 JACKSON STREET

ALL that tract or parcel of land situate in the City of Geneva, County of Ontario, State of New York. Being more particularly described as follows.

Beginning at a point at the intersection of the northerly line of Jackson Street and the easterly line of the Railroad (Finger Lakes Railway). Thence the following nineteen (19) courses and distances.

1. Thence, N 88° 22' 00" E along the northerly line of Jackson Street a distance of 33.00 feet to a point;
2. Thence, S 01° 38' 00" E across Jackson Street a distance of 50.00 feet to a point in the southerly line of Jackson Street;
3. Thence, N 88° 22' 00" E along the southerly line of Jackson Street a distance of 447.20 feet to a point;
4. Thence, S 15° 03' 37" W along the westerly lines of lands of Timothy R. Trombley (L. 1014 P. 301, L. 1100 P. 445) and Kathryn Gringeri (L. 763 P. 557) a distance of 174.71 feet to a point;
5. Thence, N 89° 49' 53" W along the northerly line of lands of Kathryn Gringeri (L. 763 P. 557) a distance of 104.30 feet to a point;
6. Thence, S 01° 02' 00" E along the westerly line of lands of Kathryn Gringeri (L. 763 P. 557) a distance of 51.10 feet to a point;
7. Thence, N 89° 54' 00" W along the northerly line of lands of Albert Colizzi Trust (L. 1194 P. 42) a distance of 32.30 feet to a point;
8. Thence, S 00° 52' 00" W along the westerly line of lands of Albert Colizzi Trust (L. 1194 P. 42) a distance of 122.59 feet to a point;
9. Thence, Northwesterly along the easterly line of the Railroad on a curve to the right having a radius of 786.02 feet, an arc distance of 20.68 feet (Chord = N 53° 58' 24" W 20.68 feet) to a point;
10. Thence, Northwesterly along the easterly line of the Railroad on a curve to the right having a radius of 822.65 feet, an arc distance of 173.25 feet (Chord = N 47° 11' 10" W 172.93 feet) to a point;
11. Thence, S 74° 09' 35" W along the lands of the Railroad a distance of 13.47 feet to a point;
12. Thence, N 38° 58' 08" W along the easterly line of the Railroad a distance of 22.70 feet to a point;
13. Thence, N 36° 53' 43" W along the easterly line of the Railroad a distance of 44.70 feet to a point;
14. Thence, N 34° 08' 07" W along the easterly line of the Railroad a distance of 31.80 feet to a point;

15. Thence, N 32° 53' 47" W along the easterly line of the Railroad a distance of 39.73 feet to a point;
16. Thence, N 30° 18' 59" W along the easterly line of the Railroad a distance of 24.51 feet to a point;
17. Thence, N 25° 10' 07" W along the easterly line of the Railroad a distance of 50.40 feet to a point;
18. Thence, N 21° 15' 51" W along the easterly line of the Railroad a distance of 24.63 feet to a point;
19. Thence, N 20° 41' 25" W along the easterly line of the Railroad a distance of 52.90 feet back to the point of beginning;

Environmental Easement Area containing 85,991± Sq. Ft. or 1.947 Acres of land.

NORTH PARCEL – 44 JACKSON STREET

ALL that tract or parcel of land situate in the City of Geneva, County of Ontario, State of New York. Being more particularly described as follows.

Beginning at a point at the intersection of the northerly line of Jackson Street and the easterly line of the Railroad (Finger Lakes Railway). Thence the following nine (9) courses and distances.

1. Thence, Northerly along the easterly line of the Railroad on a curve to the right having a radius of 1,074.59 feet, an arc distance of 74.38 feet (Chord = N 13° 39' 40" W 74.37 feet) to a point;
2. Thence, Northerly along the easterly line of the Railroad on a curve to the right having a radius of 689.66 feet, an arc distance of 131.30 feet (Chord = N 06° 13' 27" W 131.10 feet) to a point;
3. Thence, Northerly along the easterly line of the Railroad on a curve to the right having a radius of 689.26 feet, an arc distance of 2.91 feet (Chord = N 00° 38' 57" W 2.91 feet) to a point;
4. Thence, S 82° 46' 36" E along the southerly line of lands of the City of Geneva (L. 1342 P. 976) a distance of 139.65 feet to a point;
5. Thence, S 82° 09' 36" E along the southerly line of lands of Elton & Betty Miller (L. 718 P. 522) a distance of 38.90 feet to a point;
6. Thence, S 00° 13' 07" W along the westerly line of lands of the City of Geneva (L. 1327 P. 428) a distance of 74.55 feet to a point;
7. Thence, N 89° 15' 07" W along the northerly line of lands of Mara Ubiles (L. 1337 P. 671) a distance of 76.00 feet to a point;
8. Thence, S 00° 41' 44" E along the westerly line of lands of Mara Ubiles (L. 1337 P. 671) a distance of 107.07 feet to a point in the northerly line of Jackson Street;
9. Thence, S 88° 22' 00" W along the northerly line of Jackson Street a distance of 70.32 feet back to the point of beginning.

Environmental Easement Area containing 23,814± Sq. Ft. or 0.547 Acres of land.

References

1. Abstract of title prepared by Crossroads Abstract, #0163936, last dated April 25, 2017 at 8:29 A.M.
2. Abstract of title prepared by Crossroads Abstract, #0163935, last dated April 25, 2017 at 8:29 A.M.
3. Map prepared by J.W. Brennan, C.E. titled "Map Showing Property Of Harold E. Hovey, Market Basket Corporation" last dated December 1923. Filed in City of Geneva Engineers Office, file #SU-29.
4. Map prepared by J. W. Brennan, C.E. titled "Map Showing Property Geneva Foundry Corp." last dated February 26, 1941. Filed in City of Geneva Engineers Office, file #SU-49.
5. Map prepared by J. W. Brennan, C.E. titled "Property Of Catchpole Foundry Co." last dated February 24, 1916. Filed in City of Geneva Engineers Office, file #SU-49.
6. Map prepared by J. W. Brennan, C.E. titled "Map Showing Property Of Geneva Baking Company" last dated July 5, 1940. Filed in City of Geneva Engineers Office, file #SU-129.
7. Map prepared by J. W. Brennan, C.E. titled "Location Of Buildings On Property Of Geneva Baking Co." last dated August 23, 1940. Filed in City of Geneva Engineers Office, file #SU-129.
8. Map Title "Right Of Way and Track Map New York Central Railroad" Map #V-88/49, dated June 30, 1917.
9. Map prepared by Leonard O. Gardner, PLS titled "Survey Map Property Of D's Tire Service, Inc., Estate Of Samuel M. Passalacqua, Walter V. Passalacqua & Dominic Passalacqua, Jr." last dated February 10, 1999. Ontario County filed map #24976.
10. Map prepared by Leonard O. Gardner, PLS titled "Survey Map Property Of Francis J. Tandle" last dated June 18, 2003. Ontario County filed map #27603.
11. Map prepared by Ronald M. Phillips, PLS titled "Map Of A Survey Of A Parcel Owned By D&R Distributing Comp." last dated January 8, 1978. Ontario County filed map #8311.
12. Map prepared by David J. Hanley, PLS titled "Survey Of Lands To Be Conveyed By Earnest & Ruth Vankoughnet" last dated November 29, 2008. Ontario County filed map #30978.
13. Map prepared by Ronald M. Phillips, PLS titled "A Map Of A Survey Of Land To Be Conveyed By William L. Greco, Jr." last dated December 12, 1997. Ontario County filed map #24090.
14. Map prepared by David M. Clark, PLS titled "Map Showing Lands Of Dennis C. Mahoney" last dated October 3, 2014. Ontario County filed map #34046.

Only copies from the original of this survey bearing the signature and the land surveyors inked seal (RED INK ONLY) or embossed seal shall be considered as true and valid copies.

Certifications indicated hereon, unless otherwise indicated, signify that this survey was prepared in accordance with the existing code of practice for land surveys as adopted by the NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS, the GENESSEE VALLEY LAND SURVEYORS ASSOCIATION and the MONROE COUNTY BAR ASSOCIATION. Said certifications shall be valid only to the party for whom the survey was prepared, and on that party's behalf to title company, governmental agency and lending institution listed hereon for mortgage proposed for said party for whom the survey was prepared. Certifications are not transferable to additional institutions or subsequent owners than as may be expressly stated hereon.

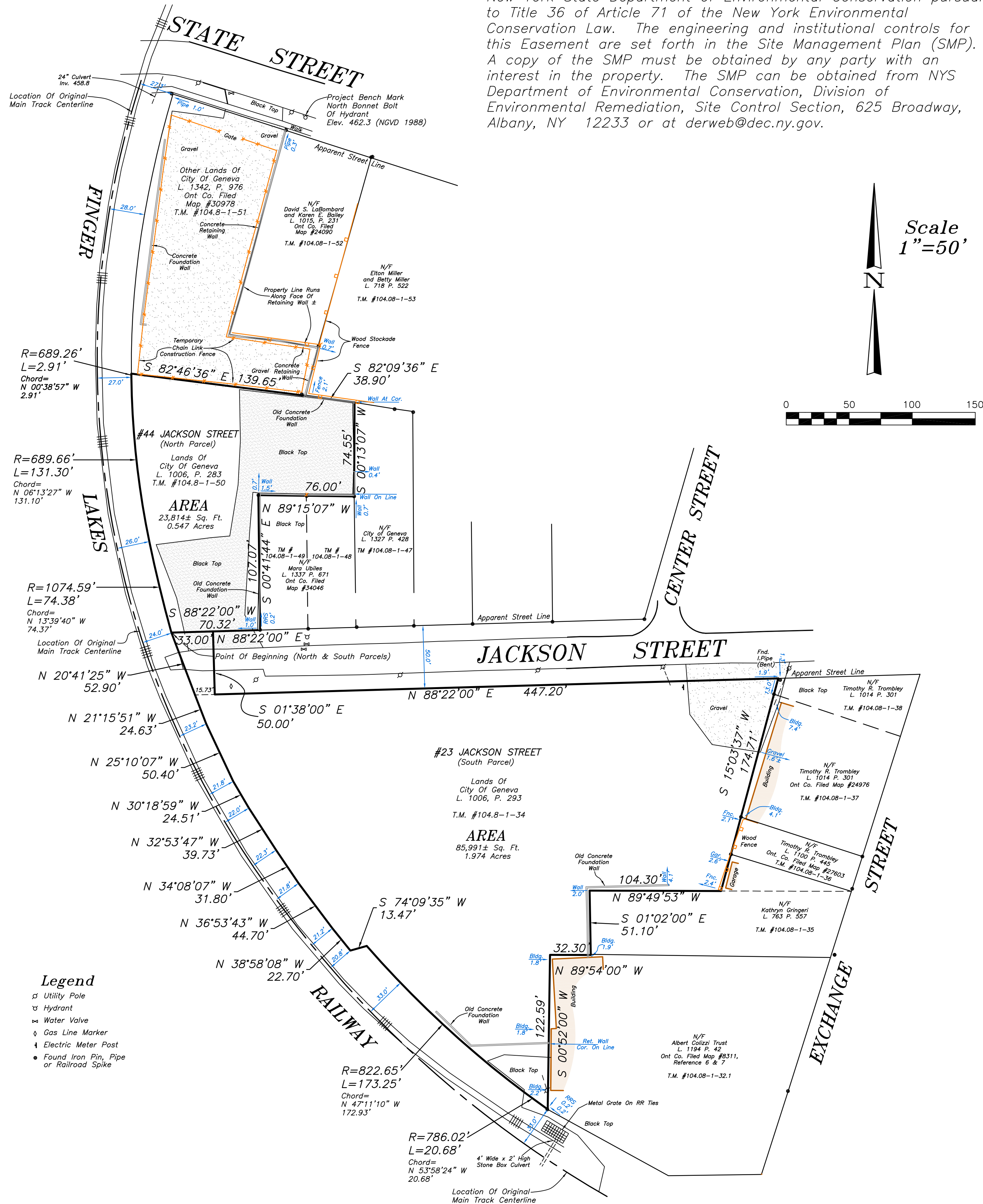
I, David M. Clark, PLS hereby certify that this map was prepared on MAY 1, 2018 from notes of an instrument survey completed on APRIL 27, 2018 and from various references listed hereon. No search was made for any easements, restrictions or encumbrances affecting this property other than those found in the references.

By: 
DAVID M. CLARK P.L.S. #049807

Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of Section 7209, Subdivision 2 of the New York State Education Law.

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Revised 9/11/18 "South Parcel & Description" DMC



ENVIRONMENTAL EASEMENT

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

METES & BOUNDS DESCRIPTIONS

Note: The Environmental Easement Area covers the Entire Site.

NORTH PARCEL - 44 JACKSON STREET

ALL that tract or parcel of land situate in the City of Geneva, County of Ontario, State of New York. Being more particularly described as follows.

- Beginning at a point at the intersection of the northerly line of Jackson Street and the easterly line of the Railroad (Finger Lakes Railway). Thence the following nine (9) courses and distances.
1. Thence, Northerly along the easterly line of the Railroad on a curve to the right having a radius of 1,074.59 feet, an arc distance of 74.38 feet (Chord = N 13° 39' 40" W 74.37 feet) to a point;
 2. Thence, Northerly along the easterly line of the Railroad on a curve to the right having a radius of 689.66 feet, an arc distance of 131.30 feet (Chord = N 06° 13' 27" W 131.10 feet) to a point;
 3. Thence, Northerly along the easterly line of the Railroad on a curve to the right having a radius of 689.26 feet, an arc distance of 2.91 feet (Chord = N 00° 38' 57" W 2.91 feet) to a point;
 4. Thence, S 82° 46' 36" E along the southerly line of lands of the City of Geneva (L. 1342 P. 976) a distance of 139.65 feet to a point;
 5. Thence, S 82° 09' 36" E along the southerly line of lands of Elton & Betty Miller (L. 718 P. 522) a distance of 38.90 feet to a point;
 6. Thence, S 00° 13' 07" W along the westerly line of lands of the City of Geneva (L. 1327 P. 428) a distance of 74.55 feet to a point;
 7. Thence, N 88° 15' 07" W along the northerly line of lands of Mara Ubiles (L. 1337 P. 671) a distance of 76.00 feet to a point;
 8. Thence, S 00° 41' 44" E along the westerly line of lands of Mara Ubiles (L. 1337 P. 671) a distance of 107.07 feet to a point in the northerly line of Jackson Street;
 9. Thence, S 88° 22' 00" W along the northerly line of Jackson Street a distance of 70.32 feet back to the point of beginning.

Environmental Easement Area containing 23,814± Sq. Ft. or 0.547 Acres of land.

SOUTH PARCEL - 23 JACKSON STREET (Includes West End Of Jackson Street)

ALL that tract or parcel of land situate in the City of Geneva, County of Ontario, State of New York. Being more particularly described as follows.

Beginning at a point at the intersection of the southerly line of Jackson Street and the easterly line of the Railroad (Finger Lakes Railway). Thence the following nineteen (19) courses and distances.

1. Thence, N 88° 22' 00" E along the northerly line of Jackson Street a distance of 33.00 feet to a point;
2. Thence, S 01° 38' 00" E across Jackson Street a distance of 50.00 feet to a point in the southerly line of Jackson Street;
3. Thence, N 88° 22' 00" E along the southerly line of Jackson Street a distance of 447.20 feet to a point;
4. Thence, S 15° 03' 37" W along the westerly lines of lands of Timothy R. Trombley (L. 1014 P. 301, L. 1100 P. 445) and Kathryn Gringeri (L. 763 P. 557) a distance of 174.71 feet to a point;
5. Thence, N 89° 49' 53" W along the northerly line of lands of Kathryn Gringeri (L. 763 P. 557) a distance of 104.30 feet to a point;
6. Thence, S 01° 02' 00" E along the westerly line of lands of Kathryn Gringeri (L. 763 P. 557) a distance of 51.10 feet to a point;
7. Thence, N 89° 54' 00" W along the northerly line of lands of Albert Colizzi Trust (L. 1194 P. 42) a distance of 32.30 feet to a point;
8. Thence, S 00° 52' 00" W along the westerly line of lands of Albert Colizzi Trust (L. 1194 P. 42) a distance of 122.59 feet to a point;
9. Thence, Northwestwardly along the easterly line of the Railroad on a curve to the right having a radius of 786.02 feet, an arc distance of 20.68 feet (Chord = N 53° 58' 24" W 20.68 feet) to a point;
10. Thence, Northwestwardly along the easterly line of the Railroad on a curve to the right having a radius of 822.65 feet, an arc distance of 173.25 feet (Chord = N 47° 11' 10" W 172.93 feet) to a point;
11. Thence, S 74° 09' 35" W along the lands of the Railroad a distance of 13.47 feet to a point;
12. Thence, N 38° 58' 08" W along the easterly line of the Railroad a distance of 22.70 feet to a point;
13. Thence, N 36° 53' 43" W along the easterly line of the Railroad a distance of 44.70 feet to a point;
14. Thence, N 34° 08' 07" W along the easterly line of the Railroad a distance of 31.80 feet to a point;
15. Thence, N 32° 53' 47" W along the easterly line of the Railroad a distance of 39.73 feet to a point;
16. Thence, N 30° 18' 59" W along the easterly line of the Railroad a distance of 24.51 feet to a point;
17. Thence, N 25° 10' 07" W along the easterly line of the Railroad a distance of 50.40 feet to a point;
18. Thence, N 21° 15' 51" W along the easterly line of the Railroad a distance of 24.63 feet to a point;
19. Thence, N 20° 41' 25" W along the easterly line of the Railroad a distance of 52.90 feet back to the point of beginning.

Environmental Easement Area containing 85,991± Sq. Ft. or 1.947 Acres of land.

PRELIMINARY

Map Showing
ENVIRONMENTAL EASEMENT
Over Lands Of
CITY OF GENEVA
(Former Geneva Foundry Site)
Situate In
City of Geneva
County Of Ontario
State Of New York

APPENDIX D

NYSDEC APPROVALS OF SUBSTANTIVE TECHNICAL REQUIREMENTS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Bureau of Technical Support
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518) 402-9543 | F: (518) 402-9547
www.dec.ny.gov

December 1, 2016

City of Geneva
Attn: Mathew Horn, City Manager
47 Castle Street
Geneva, NY 14456

RE: Brownfield Cleanup Application
Former Geneva Foundry Site
Site No. C835027

Dear Mr. Horn:

The New York State Department of Environmental Conservation (DEC) has received your application for participation in the Brownfield Cleanup Program (BCP) pursuant to Environmental Conservation Law (ECL) § 27-1401 et seq. We are pleased to advise you that your application has been determined to be complete based upon DEC's initial non-substantive review of your application package. While the application is complete, DEC may require additional information regarding site contamination in order to demonstrate that the site requires remediation pursuant to ECL § 27-1407(1). Additionally, if your application also seeks a determination that the site is eligible for tangible property credits under ECL § 27-1407(1-a), DEC may require additional information in order to make such a determination. If you propose additional material to supplement this application, DEC may consider it at its sole discretion. If additional material or information supplied significantly changes the scope of the site subject to the application, the Department may require you to publish another public notice of availability of the complete application. DEC would then adjust the time frame specified under ECL § 27-1407(6) for notifying you that your request for participation in the BCP is either accepted or rejected.

Pursuant to ECL § 27-1407(5), a 45-day public comment period is to begin after DEC's determination that an application is complete. DEC will publish a notice of the receipt of your application seeking public comment in the "Environmental Notice Bulletin." In accordance with the ECL and DEC regulations (see 6 NYCRR § 375-3.4(b)), you must notify, in writing, all parties on the site contact list¹ of the availability of the complete application for public review and comment.

In order to facilitate the notifications, DEC has prepared the enclosed document for your use as a Public Notice along with instructions. You are responsible for placing a copy of the application (including any attachments) and copies of all other related documents such as any

¹ The site contact list includes (see section 375-1.2(as)) all interested "persons, government agencies, groups or organizations, including, but not limited to, the chief executive officer and zoning board of each county, city, town and village in which such site is located, the public water supplier which serves the area in which such site is located, any site residents, adjacent property owners, any person who has requested to be placed on the site contact list, and the administrator of any school or day care facility located on the site for the purposes of posting and/or dissemination at the facility. Provided, however, that where the site or adjacent real property contains multiple dwelling units, the remedial party may propose an alternative method, consistent with the citizen participation goals set forth in section 375-1.10, for providing such notice in lieu of mailing to each individual."



Department of
Environmental
Conservation

site assessments, investigation reports, and/or remedial work plans in the document repository before the start of the public comment period. The language in the enclosed Public Notice must be used without alteration in the newspaper notice that you have published in accordance with sections 375-3.2(f) and 375-3.10.

The enclosed public notice must be provided to a local newspaper servicing the area including the site for publication no later than December 14, 2016. By December 13, 2016 the other notifications specified above must be distributed and documents placed in the repository. To the extent that the mailings and publications are not completed in accordance with these time frames, DEC will extend the comment period for a period sufficient to comply with the required public notice requirements running from the latest of these mailings and publications.

Within five days of the mailings, you must submit a "certificate of mailing" using the enclosed form. Additionally, you must submit a proof of publication provided by the newspaper within three days of your receipt of such document. Please submit these documents to DEC's Project Manager:

Frank Sowers
NYS Dept. of Environmental Conservation – Region 8
6274 East Avon-Lima Road
Avon, NY 14414
frank.sowers@dec.ny.gov

DEC will use all best efforts to notify you if the application is accepted or rejected within five days after the close of the public comment period. We look forward to working cooperatively to address the environmental conditions at the brownfield site and return this property to productive use.

Sincerely,



Kelly A. Lewandowski, P.E.
Chief, Site Control Section

Enclosures

ec w/enc.: F. Sowers, Project Manager
M. Cruden, Director, Remedial Bureau E
B. Schilling, RHWRE, Region 8
A. Guglielmi, NYSDEC – OGC, Remediation Bureau
M. Murphy, Project Attorney
D. Harkawik, Regional Attorney, Region 8
K. Anders, NYSDOH
J. Deming, NYSDOH Regional Chief
B. Anderson, Site Control Section
K. Lewandowski
Mathew Horn, Requestor's Representative (mhorn@geneva.ny.us)
Plumley Engineering, P.C., Requestor's Consultant (dmeixell@plumleyeng.com)
Wendy A. Marsh, Esq., Requestor's Attorney (wmarsh@hancocklaw.com)

**Brownfield Cleanup Program
Public Notice Instructions to Requestor²**

1) Newspaper Notice

- a) The Requestor must publish the language in the enclosed public notice, without modification, in a local newspaper of general circulation that services the area that includes the site not later than the date specified in the Division of Environmental Remediation's (DER) cover letter. The notice must be a paid newspaper advertisement, prominently located in the community bulletin section or comparable local section of the newspaper (not as a legal notice). The Requestor must publish the notice in English and in any other language spoken by a significant number of people within the site community.
- b) The Requestor must submit a proof of publication of the newspaper notice to the DER Project Manager by the date specified in the DER cover letter.

2) Requestor's Instructions to Newspapers Regarding Printing the Public Notice

- a) The enclosed public notice announces the receipt of a complete Brownfield Cleanup Program application package by the New York State Department of Environmental Conservation. Pursuant to ECL Section 27-1405(22), the public notice must be a paid newspaper advertisement, prominently located in the community bulletin section or similar local section of the newspaper (not as a legal notice). The public notice must be published by the date specified. Please provide a proof of publication to the DER Project Manager as soon as possible.

3) Site Contact List

- a) The Requestor must mail the enclosed public notice, without modification, to the parties on the site contact list included with the application. The mailing must be performed by the date specified in the DER cover letter. No other materials can be mailed with this notice with the exception of the instructions provided in #4a below.
- b) The Requestor must complete the certificate of mailing and submit it to the DER Project Manager by the date specified in the DER cover letter (see enclosed certificate of mailing form).

4) Requestor's Instructions to Parties on the Site Contact List Receiving the Public Notice

- a) The enclosed public notice announces the receipt of a complete Brownfield Cleanup Program application package by the New York State Department of Environmental Conservation. Pursuant to ECL Section 27-1407(5), a public notice announcing the receipt of an application must be sent to parties on the site contact list. Please read the enclosed public notice and review the application package in the site document repository for further information regarding the application and how to submit comments.

5) Document Repository

- a) The Requestor must put the application package (application and all attachments) in the site document repository specified in the application prior to the start of the public comment period.

² A requestor (§ 375-3.2(i)) is a person who has submitted an application to participate in the BCP whose eligibility has not yet been determined by DEC.

**Public Notice
Fact Sheet**

The New York State Department of Environmental Conservation (DEC) has received a Brownfield Cleanup Program (BCP) application, Proposed Remedial Action Plan and Revised Supplemental Remedial Investigation/Alternatives Analysis Report from the City of Geneva for a site known as the Former Geneva Foundry Site, site ID #C835027. This site is located in the City of Geneva, within the County of Ontario, and is located at 23 Jackson Street. Comments regarding this application must be submitted no later than January 28, 2017. A copy of the application, Proposed Remedial Action Plan, Revised Supplemental Remedial Investigation/Alternatives Analysis Report and other relevant documents are available at the document repository located at the Geneva Free Library, 244 Main Street, Geneva, 14456. Information regarding the site and how to submit comments can be found at <http://www.dec.ny.gov/chemical/60058.html> or send comments to Frank Sowers, Project Manager, NYSDEC-Region 8, 6274 East Avon-Lima Road, Avon, 14414; frank.sowers@dec.ny.gov; or call 585-226-5357.

To have information such as this notice sent right to your email, sign up with county email listservs available at www.dec.ny.gov/chemical/61092.html.

CERTIFICATION OF MAILING

Site Name: Former Geneva Foundry Site

Site No.: C835027

I certify that I mailed on _____ a copy of the attached public notice by first class mail upon the person(s) on the attached mailing list, by depositing a true copy thereof, securely enclosed in a postpaid wrapper, in the Post Office box at _____ in the City of _____, New York, which box is under the exclusive care and custody of the United States Post Office.

Signature

Date

New York State Department of Environmental Conservation

Division of Environmental Remediation, 12th Floor

625 Broadway, Albany, New York 12233-7011

Phone: (518) 402-9706 Fax: (518) 402-9020

Website: www.dec.ny.gov

Certified Mail, Return Receipt Requested

City of Geneva
Mathew Horn
47 Castle Street
Geneva, NY 14456

FEB 10 2017

Re: Former Geneva Foundry Site
Tax Map ID No.: 104.8-1-34, 104.8-1-50
Property County: Ontario
Site No.: C835027

Dear Applicant:

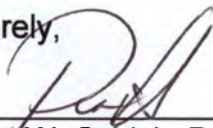
Your application for the above-referenced Brownfield Cleanup Program ("BCP") project has been reviewed by the New York State Department of Environmental Conservation ("Department"). I am pleased to inform you that your request is accepted. The acceptance is based upon your participation as follows:

City of Geneva is a Volunteer as defined in ECL 27-1405(1)(b). Tangible Property Tax Credit Status is described in Section II of the attached Brownfield Cleanup Agreement (BCA).

Based upon the facts and information in the application, information contained in the Department's records, and a timely return of the signed BCAs, the Department is prepared to execute a BCA for the above-described property. Enclosed are three original proposed BCAs. Please have an authorized representative sign all three originals where indicated and return them to my attention at 625 Broadway, Albany, New York, **along with proof that the party executing the BCA is authorized to bind the Requestor. This would be documentation from corporate organizational papers, which are updated, showing the authority to bind the corporation, or a Corporate Resolution showing the same, or an Operating Agreement or Resolution for an LLC.** The BCA shall not be effective until it is fully executed by the parties. A reassessment of eligibility may result in a denial of the application if there are any changes to material facts and information before the BCA is fully executed. **Please note, if the BCA is not signed and returned to the Department within 60 days, the Department will consider the Application withdrawn and the offer to enter the BCP will be deemed rescinded.**

The Department looks forward to working with you on this project. The Department's project manager will assist you in completing your project. You can arrange a meeting to discuss the program's requirements and work plan. The work plan will determine the scope of work to be conducted and completed. You may contact the Department's project team as set forth in Paragraph IV of the attached draft BCA to discuss the next steps.

Sincerely,



Robert W. Schick, P.E., Director
Division of Environmental Remediation

Enclosures:

Department's Copies:

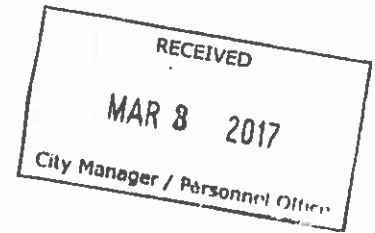
ec: Michael Cruden
Bart Putzig
Dolores Tuohy
Kelly Lewandowski
Andrew Guglielmi
Frank Sowers
Michael Murphy
Adam Morgan

Applicant's Copies:

ec: Mathew Horn (mhorn@geneva.ny.us)
Wendy A. Marsh, Esq. (wmarsh@hancocklaw.com)
Dave Meixell (dmeixell@plumleyeng.com)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Office of the Director
625 Broadway, 12th Floor, Albany, New York 12233-7011
P: (518) 402-9706 | F: (518) 402-9020
www.dec.ny.gov



February 27, 2017

Mr. Mathew Horn
City Manager
City Of Geneva
47 Castle Street
Geneva, New York 14456

RE: Satisfactory Completion Letter
Site No: B00019
Site Name: Former Geneva Foundry
SAC No.: C300973
SAC Type: Investigation

Dear Mr. Horn:

Congratulations to the City of Geneva on having satisfactorily completed the Investigation Phase of the Environmental Restoration Project that the City of Geneva undertook with State Assistance funds provided pursuant to the 1996 Clean Water/Clean Air Bond Act. The New York State Department of Environmental Conservation (Department) has determined, based upon our inspection of the above-referenced site and review of the documents you have submitted, that the City has completed the project in accordance with the terms and conditions of the above-referenced State Assistance Contract. Accordingly, the Department is issuing this Satisfactory Completion Letter for the project. The site should not be put into its intended use until such time as the remedy outlined in the Record of Decision dated January 13, 2017 has been fully implemented, to the satisfaction of the Department.

If you have any questions, please do not hesitate to contact Frank Sowers, the Department's Project Manager, at 585-226-5357.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Schick".

Robert W. Schick, P.E.
Director
Division of Environmental Remediation

ec: K. Anders – NYSDOH



Department of
Environmental
Conservation

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 | F: (585) 226-8139
www.dec.ny.gov

September 1, 2017

Mathew Horn
City of Geneva
47 Castle Street
Geneva NY 14456

**Re: Former Geneva Foundry Site
23 & 44 Jackson St., Geneva NY
Site Re-Grading Plan, April 2017**

Dear Mr. Horn,

The New York State Departments of Environmental Conservation (NYSDEC) and Health (Departments) have completed their review of the document entitled "Site Re-Grading Plan" (Plan) dated July 2017, prepared by Plumley Engineering for the Former Geneva Foundry Site located in the City of Geneva, Ontario County. In accordance with 6 NYCRR Part 375-1.6, the Departments have determined that the Plan, with modifications, address the requirements of the Brownfield Cleanup Agreement (BCA).

The Departments' modifications to the Plan are provided below:

- The Health and Safety Plan (HASP) and Decontamination protocols included in the approved RAWP are incorporated by reference to the Site Re-Grading Plan.
- The approved Site Re-Grading Plan and its documentation (including a PE stamped drawing of the final site-wide cover system) will be included in the Final Engineering Report (FER).
- Section 7.0 states that documentation will be given in the Periodic Review Report, the correct report is the FER.
- Section 12 is modified to include the paragraph below;
 - "Any deviations from this plan must be approved by the NYSDEC Project Manager prior to making the change. Verbal approvals from the NYSDEC Project Manager will be documented in field log books. Deviations and associated documentation of approval will also be included in the FER."
- A copy of the SWPP will be added to the Plan.
- Community Air monitoring will be performed during any ground intrusive activity, as described in the approved RAWP.

With the understanding that the above noted modifications are agreed to, the Site Re-Grading Plan is hereby approved. If you choose not to accept these modifications, you are required to notify this office within 20 days after receipt of this letter or prior to the start of field activities. In this event, I suggest a meeting be scheduled to discuss your concerns prior to the end of this 20-day period.

Prior to the start of field activities, please attach a copy of this letter and the SWPP to the Plan and distribute the approved Plan as follows:

- Adam Morgan (1 hardcopy & 1 electronic copy on CD);
- Anthony Perretta (electronic copy on CD);
- Document repositories (1 hardcopy)

Please notify me at least 7 days in advance of the start of field activities.

We look forward to working together to bring this site back into productive use. If you have questions or concerns on this matter, please contact me at 585-226-5357.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Adam Morgan', written in dark ink.

Adam Morgan
Engineer Trainee
NYSDEC Region 8
Division of Environmental Remediation

ec: M. Horn
D. Meixell
W. Marsh
M. Cruden
B. Schilling
M. Murphy
A. Perretta
J. Deming

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 | F: (585) 226-8139
www.dec.ny.gov

October 10, 2017

David K. Meixell, P.E.
Senior Engineer
PLUMLEY ENGINEERING, P.C.
8232 Loop Road
Baldwinsville, NY 13027

**Re: Former Geneva Foundry Site
23 & 44 Jackson St., Geneva NY
Request to Import Fill, October 2017**

Dear Mr. Meixell,

The New York State Departments of Environmental Conservation (NYSDEC) has completed its review of the request to import fill you submitted on behalf of the City of Geneva. The request is hereby accepted. Attach this acceptance letter to the request and include it as an appendix to the Final Engineering Report.

We look forward to working together to bring this site back into productive use. If you have questions or concerns on this matter, please contact me at 585-226-5357.

Sincerely,



Adam Morgan
Engineer Trainee
NYSDEC Region 8
Division of Environmental Remediation

ec: M. Horn M. Murphy
 W. Marsh J. Deming
 A. Perretta
 M. Cruden
 B. Schilling



Department of
Environmental
Conservation

Carrie E. Price

From: Gordon Eddington <gedding1@yahoo.com>
Sent: Thursday, November 02, 2017 9:40 PM
To: David K. Meixell
Subject: Fw: Wastewater discharge

Hi Dave,

Here is Will Czaplak's approval to discharge truck wash water to the sanitary sewer.

Gordon

Gordon P. Eddington
Eddington Environmental, LLC
178 Nursery Avenue
Geneva, New York 14456
gedding1@yahoo.com
(315) 277-0162

----- Forwarded Message -----

From: Will Czaplak <WCC@Geneva.ny.us>
To: "gedding1@yahoo.com" <gedding1@yahoo.com>
Sent: Wednesday, November 1, 2017 3:13 PM
Subject: Wastewater discharge

Gordon

Please consider this e-mail permission to discharge by-pass water, rinse water and/or ground water collected on the Jackson Street site to the sanitary sewer collection system in the City of Geneva. It is understood that this is a temporary situation and in the event of the discovery of any unknown tanks, pools or collections of unidentified liquids, I will be notified before adding unknown sources to the collection system. If you have any questions or concerns, please feel free to contact me at (315)277-0292.

Will Czaplak
Chief Operator
Marsh Creek WWTP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 | F: (585) 226-8139
www.dec.ny.gov

January 3, 2018

David K. Meixell, P.E.
Senior Engineer
PLUMLEY ENGINEERING, P.C.
8232 Loop Road
Baldwinsville, NY 13027

**Re: Former Geneva Foundry Site
23 & 44 Jackson St., Geneva NY
Site Re-Grading Plan Modification, December 2017**

Dear Mr. Meixell,

The New York State Departments of Environmental Conservation (NYSDEC) and Department of Health (NYSDOH) have completed their review of the request to modify the Site Re-Grading Plan and the Beneficial Use Determination Petition (BUD), submitted on behalf of the City of Geneva. The request to modify is hereby accepted and the BUD petition is approved as described. The Site Re-Grading Plan will serve as an Interim Site Management Plan until a Certificate of Completion is issued. Attach this acceptance letter and the December 5, 2017 request letter, with BUD petition, to the approved Site Re-Grading Plan. Analytical results submitted on December 20, 2017 with regards to the before mentioned BUD, will be included in the Final Engineering Report.

Please update the document repository, located at the Geneva Free Library, 244 Main St. Geneva NY 14456, to include both this letter and the December 5, 2017 request letter. They are hereby incorporated into the approved Site Re-Grading Plan.

We look forward to working together to bring this site back into productive use. If you have questions or concerns on this matter, please contact me at 585-226-5357.

Sincerely,



Adam Morgan, E.I.T
NYSDEC Region 8 Division of Environmental Remediation

ec: M. Horn M. Murphy A. Blowers
 W. Marsh B. Schilling
 M. Cruden



Department of
Environmental
Conservation

APPENDIX E

PROJECT PHOTO LOG



PostDemoSampling 001.jpg
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APPENDIX F

SOIL/WASTE CHARACTERIZATION DOCUMENTATION

- **Waste Hauler Permit Certificates**
- **Disposal Facility Approval and Approval Letters**
- **Facility Permit Certificates**
- **Tabulated Load Summaries**
- **Waste Manifests or Bills of Lading**



Department of
Environmental
Conservation

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364

WASTE TRANSPORTER PERMIT NO. 7A-402

Pursuant to Article 27, Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

RICCELLI ENTERPRISES, INC.
6131 E TAFT ROAD
P.O. BOX 6418
N SYRACUSE, NY 13217

PERMIT TYPE:

- ☐ NEW
☒ RENEWAL
☐ MODIFICATION

CONTACT NAME: MICHAEL RELF
COUNTY: ONONDAGA
TELEPHONE NO: (315)433-5115

EFFECTIVE DATE: 08/01/2016
EXPIRATION DATE: 07/31/2017
US EPA ID NUMBER: NYR000059246

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Albany Rapp Road	Albany , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Allegany County Landfill	Angelica , NY	Non-Hazardous Industrial/Commercial	
AUBURN (C) STP	AUBURN , NY	Non-Hazardous Industrial/Commercial Sludge from Sewage or Water Supply Treatment Plant	
Auburn Landfill No. 2	Auburn , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
Ava Landfill	Boonville , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Bath Sanitary Landfill	Bath , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Bristol Hill SLF	Fulton , NY	Asbestos Waste Tires	
Broome County Landfill	Binghamton , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: _____

Date: 07.29.16

NOTICE

This renewed permit is not valid until
the effective date listed on the permit.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364

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US EPA ID NUMBER: NYR000059246

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
BUD NO. 1018-7-38 NYS DEC APPROVED SITES ONLY	VARIOUS , NY	Non-Hazardous Industrial/Commercial	SALT CONT. SOIL
Cayuga Ash Disposal Facility	Lansing , NY	Non-Hazardous Industrial/Commercial Sludge from Sewage or Water Supply Treatment Plant	
Chaffee Landfill	Sardinia , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Chemung County Sanitary Landfill	Chemung , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Chenango County Landfill	Norwich , NY	Non-Hazardous Industrial/Commercial Asbestos Waste Tires	
Clinton County MRF / Casella	Morrisonville , NY	Petroleum Contaminated Soil Waste Tires	
Colonie (T) SWMF	Colonie , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Covanta Niagara, L.P.	Niagara Falls , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Grease Trap Waste Sludge from Sewage or Water Supply Treatment Plant	
CWM CHEMICAL SERVICES LLC	MODEL CITY , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
Development Authority of the North Country Landfill	Rodman , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
ESMII of New York	Fort Edward , NY	Petroleum Contaminated Soil	
Finch Municipal Solid Waste Facility	Gansevoort , NY	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364

WASTE TRANSPORTER PERMIT NO. 7A-402

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N SYRACUSE, NY 13217

PERMIT TYPE:

- ☐ NEW
☒ RENEWAL
☐ MODIFICATION

CONTACT NAME: MICHAEL RELF
COUNTY: ONONDAGA
TELEPHONE NO: (315)433-5115

EFFECTIVE DATE: 08/01/2016
EXPIRATION DATE: 07/31/2017
US EPA ID NUMBER: NYR000069246

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Finch Municipal Solid Waste Facility	Gansevoort , NY	Petroleum Contaminated Soil	
FRANK E. VAN LARE WWTP	ROCHESTER , NY	Non-Hazardous Industrial/Commercial	LEACHATE
Franklin County Regional Landfill	Constable , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Sludge from Sewage or Water Supply Treatment Plant	
Fulton County Landfill	Johnstown , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Hakes C&D Disposal Inc	Painted Post , NY	Waste Tires	
High Acres Western Expansion Landfill	Fairport , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Sludge from Sewage or Water Supply Treatment Plant	
Hyland Landfill	Angelica , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Sludge from Sewage or Water Supply Treatment Plant	
Industrial Oil Tank Used Oil Storage Facility	Oriskany , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil	
Madison County West Side Extension LF	Canastota , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Tires Sludge from Sewage or Water Supply Treatment Plant	
Mill Seat SLF	Riga , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Modern Landfill	Model City , NY	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364

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TELEPHONE NO: (315)433-5115

EFFECTIVE DATE: 08/01/2016
EXPIRATION DATE: 07/31/2017
US EPA ID NUMBER: NYR000059246

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Modern Landfill	Model City , NY	Waste Tires	
NEWARK WASTEWATER TREATMENT FAC	NEWARK , NY	Non-Hazardous Industrial/Commercial	
North Youngmann Commerce Center	Tonawanda , NY	Petroleum Contaminated Soil	
NYS CANAL CORPORATION	PALMYRA , NY	Non-Hazardous Industrial/Commercial	CANAL SED.
NYS CANAL CORPORATION	SPENCERPORT , NY	Petroleum Contaminated Soil	
NYS CANAL CORPORATION	PITTSFORD , NY	Petroleum Contaminated Soil	
NYS CANAL CORPORATION	MACEDON , NY	Non-Hazardous Industrial/Commercial	CANAL SED.
Ontario County Sanitary Landfill	Stanley , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Sludge from Sewage or Water Supply Treatment Plant	
OSWEGO (C) WEST SIDE WWTF	OSWEGO , NY	Non-Hazardous Industrial/Commercial	
Oswego County Energy Recovery Facility	Fulton , NY	Non-Hazardous Industrial/Commercial Waste Tires	
RED CREEK REGIONAL WASTEWATER TREATMENT FACILITY	RED CREEK , NY	Non-Hazardous Industrial/Commercial	
ROME MUNICIPAL STP	ROME , NY	Non-Hazardous Industrial/Commercial Septage only (residential) Residential Raw Sewage including Portable Toilet Waste	
SCHENECTADY (C) WPCP	SCHENECTADY , NY	Non-Hazardous Industrial/Commercial Septage only (residential) Residential Raw Sewage including Portable Toilet Waste Non-Residential Raw Sewage or Sewage-Contaminated Wastes Sludge from Sewage or Water Supply Treatment Plant	
Seneca Meadows LF	Waterloo , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Sludge from Sewage or Water Supply Treatment Plant	
SYRACUSE INNER HARBOR - CANAL WORK PERMIT C3W120077	SYRACUSE , NY	Non-Hazardous Industrial/Commercial	DREDGE
WATERTOWN (C) WPCP	WATERTOWN , NY	Septage only (residential) Residential Raw Sewage including Portable Toilet Waste	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364

WASTE TRANSPORTER PERMIT NO. 7A-402

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☐ MODIFICATION

CONTACT NAME: MICHAEL RELF
COUNTY: ONONDAGA
TELEPHONE NO: (315)433-5115

EFFECTIVE DATE: 08/01/2016
EXPIRATION DATE: 07/31/2017
US EPA ID NUMBER: NYR000059246

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed:

Destination Facility	Location	Waste Type(s)	Note
WATERTOWN (C) WPCP	WATERTOWN, NY	Sludge from Sewage or Water Supply Treatment Plant	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364

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TELEPHONE NO: (315)433-6115

EFFECTIVE DATE: 08/01/2016
EXPIRATION DATE: 07/31/2017
US EPA ID NUMBER: NYR000059246

AUTHORIZED VEHICLES:

The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

209 (Two Hundred and Nine) Permitted Vehicle(s)

NY 10797PC	NY 16691PC	NY 3283C1	NY 98773MG	NY BC12583
NY 10798PC	NY 1700C8	NY 3284C1	NY 98774MG	NY BD20025
NY 10799PC	NY 1701C8	NY 3285C1	NY AH67406	NY BF79147
NY 11419PC	NY 1723C7	NY 3286C1	NY AH67407	NY BG30551
NY 11420PC	NY 17264PC	NY 3287C1	NY AH67408	NY BG30835
NY 11421PC	NY 1729C7	NY 3288C1	NY AH67409	NY BH59312
NY 11422PC	NY 1782C9	NY 3289C1	NY AH67410	NY BK29320
NY 11423PC	NY 1811C7	NY 3290C1	NY AL52081	NY BK57416
NY 11980PC	NY 1828C8	NY 3291C1	NY AM30359	NY BK95741
NY 11981PC	NY 18389PB	NY 33674PC	NY AM30361	PA AF91136
NY 11982PC	NY 18390PB	NY 3627C8	NY AM41050	PA AF91137
NY 12549JV	NY 18391PB	NY 37042PC	NY AM41060	PA AF91138
NY 12611PC	NY 18395PB	NY 37043PC	NY AM41087	PA AF91139
NY 12985PC	NY 18397PB	NY 3817C8	NY AM41088	PA AF91140
NY 13057PC	NY 18651PB	NY 3819C8	NY AM41089	PA AF91141
NY 13058PC	NY 18653PB	NY 39329KA	NY AM41090	PA AF91142
NY 13060PC	NY 18654PB	NY 40505PC	NY AN62544	PA AF91143
NY 13063PC	NY 18658PB	NY 44790JD	NY AN62558	PA AF91144
NY 13064PC	NY 18657PB	NY 44805JD	NY AN74890	PA AF92499
NY 13065PC	NY 18658PB	NY 46112PC	NY AR28920	PA AF93028
NY 13068PC	NY 19434PB	NY 46113PC	NY AR40449	PA AF93029
NY 13070PC	NY 19485PB	NY 46114PC	NY AR40867	PA AF93030
NY 1468C7	NY 19961MD	NY 47673PC	NY AR96079	PA AF93031
NY 1469C7	NY 19962MD	NY 47674PC	NY AR96080	PA AF93032
NY 1472C7	NY 19963MD	NY 48381MH	NY AR96315	PA AF93033
NY 1532C6	NY 19964MD	NY 48392MH	NY AR96316	PA AF93034
NY 1542C7	NY 19965MD	NY 48393MH	NY AR96317	PA AF93035
NY 1543C7	NY 19967MD	NY 48394MH	NY AR96353	PA AF93036
NY 1555C9	NY 19968MD	NY 48395MH	NY AS56204	PA AF93037
NY 1559C9	NY 19969MD	NY 48400MH	NY AS56302	End of List
NY 1560C9	NY 20049PC	NY 48401MH	NY AS56360	
NY 1565C9	NY 20101MJ	NY 48813PC	NY AS56368	
NY 1566C9	NY 20121JX	NY 51469PC	NY AS56369	
NY 1567C9	NY 21605PB	NY 51471PC	NY AS56370	
NY 1568C9	NY 2576C8	NY 51473PC	NY AT24328	
NY 1573C9	NY 2577C8	NY 53383PC	NY AT24331	
NY 15743PC	NY 2578C8	NY 58089JZ	NY AT24843	
NY 1574C8	NY 2579C8	NY 70326MA	NY AU59417	
NY 1575C9	NY 2580C8	NY 72121JR	NY AU59418	
NY 1576C9	NY 2591C8	NY 76207PA	NY AU59419	
NY 1585C9	NY 29137ME	NY 81775MC	NY AW94480	
NY 1586C9	NY 3275C1	NY 86108PA	NY AW54858	
NY 1588C9	NY 3276C1	NY 89132JD	NY AW55319	
NY 1589C9	NY 3277C1	NY 94702MB	NY AW92391	
NY 1631B3	NY 3278C1	NY 98772MG	NY BA74727	

NEW WASTE STREAM: _____

NEW RATE: _____

SENECA MEADOWS LANDFILL INDUSTRIAL WASTE APPROVAL

GENERATOR'S NAME: CITY OF GENEVA	
ADDRESS: 47 CASTLE ST.	CITY: GENEVA ST: NY ZIP: 14456
CONTACT: DAVID MEIXELL	TITLE: SR. EXECUTIVE VICE PRESIDENT
PHONE: (315) 638-8587	EMAIL: dmeixell@plumleyeng.com
EPA ID #: NA	STATE ID #: NA

FACILITY GENERATING WASTE

ADDRESS: 23 & 44 JACKSON ST. CITY: GENEVA ST: NY ZIP: 14456	
CONTACT: DAVID MEIXELL	TITLE: SR. EXECUTIVE VICE PRESIDENT
PHONE: (315) 638-8587	EMAIL: dmeixell@plumleyeng.com

AUTHORIZED HAULER

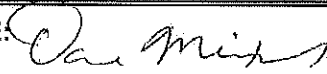
NAME: RICCELLI ENTERPRISES, INC.	NYS DEC PERMIT #: 7A-402
ADDRESS: P.O. BOX 6418	CITY: SYRACUSE ST: NY ZIP: 13217

CONDITIONS


****SMI REQUIRES THAT ALL FUTURE WASTE CHARACTERIZATION DATA THAT IS GENERATED BE SUBMITTED. SMI NEEDS TO BE NOTIFIED IMMEDIATELY IF ANY CHANGES OCCUR.****

HOURS OF ACCEPTANCE (IND. WASTE): Mon-Fri 7 AM - 4 PM	FILE #: 4591
HOURS OF ACCEPTANCE (SLUDGE): Mon-Fri 7 AM - 1 PM	
APPROVAL EXPIRES: 06/25/2018	
DESCRIPTION OF WASTE: CONTAMINATED SOIL (>20% SOLIDS - NO FREE LIQUIDS)	

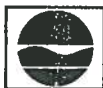
ACCEPTED-GENERATOR

NAME: David Meixell (Signing agent for the city of Geneva)	SIGNATURE: 
TITLE: PM	DATE: 10/14/2017

FOR OFFICE/SCALE HOUSE USE ONLY

APPROVAL NUMBER: 17-138	FILE #: 4591
NAME: DAVID PANNUCCI	DATE: October 4, 2017
TITLE: ENVIRONMENTAL ENGINEER	SIGNATURE: 
CUST: 8027/CITY OF GENEVA HAULER: 8667 DEC WASTE CODE: N-816 SMI CMDTY: BCS01	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DEC PERMIT NUMBER
8-4532-00023/00001-0EFFECTIVE DATE
Renewed October 11, 2007FACILITY/PROGRAM NUMBER(S)
50S08

PERMIT

Under the Environmental
Conservation Law (ECL)

EXPIRATION DATE(S)
October 10, 2017
Modified: 11/26/2008TYPE OF PERMIT ☐ NEW ☐ Renewal ☒ Modification ☒ PERMIT TO CONSTRUCT ☒ Permit to Operate

- | | | |
|---|--|---|
| <input type="checkbox"/> Article 15, Title 5:
Protection of Waters | <input type="checkbox"/> 6NYCRR 608: Water Quality
Certification | <input checked="" type="checkbox"/> Article 27, Title 7;
6NYCRR 360: Solid Waste
Management |
| <input type="checkbox"/> Article 15, Title 15:
Water Supply | <input type="checkbox"/> Article 17, Titles 7, 8:
SPDES | <input type="checkbox"/> Article 27, Title 9;
6NYCRR 373: Hazardous
Waste Management |
| <input type="checkbox"/> Article 15, Title 15:
Water Transport | <input type="checkbox"/> Article 19: Air Pollution
Control | <input type="checkbox"/> Article 34: Coastal
Erosion Management |
| <input type="checkbox"/> Article 15, Title 15:
Long Island Wells | <input type="checkbox"/> Article 23, Title 27:
Mined Land Reclamation | <input type="checkbox"/> Articles 1, 3, 17, 19, 27,
37; NYCRR 380: Radiation
Control |
| <input type="checkbox"/> Article 15, Title 27:
Wild, Scenic
and Recreational Rivers | <input type="checkbox"/> Article 24: Freshwater
Wetlands | <input type="checkbox"/> Other: |
| | <input type="checkbox"/> Article 25: Tidal
Wetlands | |

PERMIT ISSUED TO IESI-Seneca Meadows, Inc.		TELEPHONE NUMBER (315) 539-5624	
ADDRESS OF PERMITTEE 1786 Salcman Road, Waterloo, NY 13165			
CONTACT PERSON FOR PERMITTED WORK Thomas Hasek		TELEPHONE NUMBER (315) 539-5624	
NAME AND ADDRESS OF PROJECT/FACILITY IESI-Seneca Meadows, Inc., 1786 Salcman Road, Waterloo, NY 13165			
LOCATION OF PROJECT/FACILITY 1786 Salcman Road, Waterloo, NY 13165			
COUNTY Seneca	TOWN Seneca Falls	WATERCOURSE Water Body:	NYTM COORDINATES A/B E:712250 N:1015000 SE E:713500 N:1011000
DESCRIPTION OF AUTHORIZED ACTIVITY:			
Construction and Operation of Mixed Solid Waste Landfills (Existing, A/B Overfill, Southeast and 2007 Expansion) with an approved design capacity of 6000 tons per day. Modified to include Article 24 conditions.			

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified (see page 2) and any Special Conditions included as part of this permit.

PERMIT ADMINISTRATOR: <i>Peter A. Lent</i>	ADDRESS 6274 E. Avon-Lima Rd, Avon, NY 14414		
AUTHORIZED SIGNATURE <i>Peter A. Lent</i>	DATE <i>11/26/2008</i>	Page <u>1</u> of <u>23</u>	

**Tabulated Load Summaries
(tons)
Former Geneva Foundry Site
Jackson Street
Geneva, New York 14456**

11/1/17 Remediation	11/16/17 Re-Grading	11/20/17 Re-Grading	12/4/17 Re-Grading	12/6/17 Re-Grading	12/7/17 Re-Grading
21.24	17.37	15.34	16.70	17.30	17.09
12.05	17.40	19.16	20.69	17.82	18.75
18.45	17.08	20.77	21.77	16.40	19.36
16.90	16.72	19.47	21.76	18.48	16.93
15.57	17.26	17.48	22.71	19.70	18.86
7.70	15.48	18.24	21.67	18.67	17.99
	15.19	11.51	23.87	19.84	19.24
	15.98	17.49	24.56	22.54	21.37
		16.51	21.73	18.89	21.56
		19.14	17.69	19.56	16.21
		10.54	17.60	16.89	18.56
		19.87	17.25	17.46	18.20
		19.00	18.04	18.48	20.77
		16.65	20.65	18.16	20.44
		19.60	20.69	20.12	16.75
			21.35	15.78	19.96
			22.57	15.83	18.06
			17.89	18.20	17.86
			21.23	20.53	19.36
			24.00	18.99	19.75
			24.79	21.81	20.26
			18.61	18.99	20.96
			27.55	15.12	17.11
			17.83	15.85	17.13
			19.26	18.45	20.65
				20.35	17.89
				20.90	
				20.32	
				16.80	
				19.34	
Daily Totals					
91.91	132.48	260.77	522.46	557.57	491.07

Total Tons Transported to Seneca Meadows Landfill: 2,056.26 tons

4. Waste Tracking Number		
(than mailing address)		
U.S. EPA ID Number		
U.S. EPA ID Number		
U.S. EPA ID Number		
11. Total Quantity	12. Unit Wt./Vol.	

by the proper shipping name, and are classified, packaged, ental regulations.

Month	Day	Year
11	11	17
Month	Day	Year
11	11	17
Month	Day	Year

☐ Partial Rejection ☐ Full Rejection

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

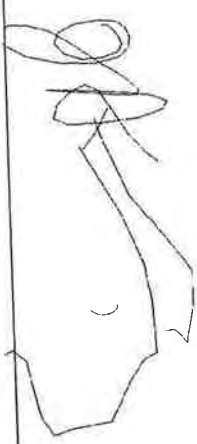
SITE	TICKET	GRID	WEIGHMASTER			
01	00047351	EE	Morgan W			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
11/01/17	11/01/17	09:56	11:26	RT26		
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt.	78400 LB	TRUCK	EXPIRES	/	/
Scale 3 Tare Wt.	35920 LB	TRUCK	EXPIRES	/	/
Net Weight	42480 LB	LIC#	CONTAINER		
QTY	UNIT	DESCRIPTION	RATE	EXTENSION	FEE
21.24	TON	B/R-CONTAM SOIL			
1.00		BUD-ENV FEE			
NET AMOUNT			TOTAL		

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
A-NONE

SIGNATURE



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity

☐ Type

☐ Residue

☐ Partial Rejection

☐ Full Rejection

17b. Alternate Facility (or Generator)

Manifest Reference Number:

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

4. Waste Tracking Number		
[blank mailing address]		
U.S. EPA ID Number		
U.S. EPA ID Number		
U.S. EPA ID Number		
11. Total Quantity	12. Unit Wt./Vol.	
by the proper shipping name, and are classified, packaged, and labeled in accordance with federal regulations.		
	Month	Day
	11	1
		17
	Month	Day
	11	1
		17
	Month	Day
<input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection		

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER
01	00047519	EE	Morgan W
DATE IN	DATE OUT	TIME IN	TIME OUT
11/01/17	11/01/17	12:51	14:11
REFERENCE	VEHICLE	ROLL OFF	ORIGIN
17-138	RT26		ONTARIO

Scale 1 Gross Wt.	60060 LB	TRUCK EXPIRES	/
Scale 3 Tare Wt.	35960 LB		
Net Weight	24100 LB	LIC#	CONTAINER
QTY.	UNIT	DESCRIPTION	RATE

12.05 TON B/R-CONTAM SOIL
1.00 BUD-ENV FEE

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
DATE: 01/01/17
W/671 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

[Signature]

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

17b. Alternate Facility (or Generator)	Manifest Reference Number:	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

HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

4. Waste Tracking Number		
different than mailing address)		
Tacker St.		
U.S. EPA ID Number		
U.S. EPA ID Number		
U.S. EPA ID Number		
11. Total Quantity	12. Unit Wt./Vol.	
by the proper shipping name, and are classified, packaged, and labeled in accordance with applicable regulatory requirements.		
Month Day Year		11 17
Month Day Year		11 17
Month Day Year		11 17
<input type="checkbox"/> Partial Rejection		<input type="checkbox"/> Full Rejection

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER			
01	00047371	EE	Morgan W			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
11/01/17	11/01/17	10:16	11:34	RT32		
REFERENCE		ORIGIN				
17-138		ONTARIO				

Scale 1 Gross Wt.	73080 LB
Scale 3 Tare Wt.	36180 LB TRUCK EXPIRES / /
Net Weight	36900 LB LIC# CONTAINER DESCRIPTION

18.45 TON B/R-CONTAM SOIL
1.00 BUD-ENV FEE

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any kind.

8667 RICCELLI ENT

0-NONE
0 REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

17b. Alternate Facility (or Generator)		Manifest Reference Number:		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	

4. Waste Tracking Number
U.S. EPA ID Number
U.S. EPA ID Number
U.S. EPA ID Number

11. Total Quantity	12. Unit Wt./Vol.

I above by the proper shipping name, and are classified, packaged, governmental regulations.

Month Day Year
11 1 17

Month Day Year
11 1 17

Month Day Year
11 1 17

Month Day Year
11 1 17

☐ Partial Rejection ☐ Full Rejection

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00047560	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/01/17	11/01/17	13:29	15:08	RT32	
REFERENCE		ORIGIN			
17-138		ONTARIO			

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
16.90	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
DRIVER: A-MINIE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

17b. Alternate Facility (or Generator)
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

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

GENERATOR'S/SHIPPER'S INITIAL COPY

DESIGNATED FACILITY

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator's Name and Mailing Address <i>City of Geneva</i>			Generator's Site Address (if different than mailing address) <i>45 Jackson St.</i>		
Generator's Phone:					
6. Transporter 1 Company Name <i>Riccelli Trucking</i>			U.S. EPA ID Number		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address <i>Seneca Meadows Landfill</i>			U.S. EPA ID Number		
Facility's Phone:					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. <i>Contaminated soil</i>					
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information					
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/Offor's Printed/Typed Name <i>Warden Edgerton</i>			Signature <i>[Signature]</i>		Month Day Year <i>11 1 11</i>
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> 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 <i>M. McBay</i>			Signature <i>[Signature]</i>		Month Day Year <i>11 1 11</i>
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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 <i>[Signature]</i>		Month Day Year <i>11 1 11</i>

one		4. Waste Tracking Number	
different than mailing address)			
Tackson St.			
U.S. EPA ID Number			
U.S. EPA ID Number			
U.S. EPA ID Number			
ers	11. Total Quantity	12. Unit Wt./Vol.	
Type			
ribed above by the proper shipping name, and are classified, packaged, al governmental regulations.			
Month		Day	Year
11		11	17
try/exit:			
ing U.S.:			
Month		Day	Year
11		11	17
Month		Day	Year
<input type="checkbox"/> Partial Rejection		<input type="checkbox"/> 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	

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER
01	00047580	EE	Morgan W
DATE IN	DATE OUT	TIME IN	TIME OUT
11/01/17	11/01/17	13:47	16:05
REFERENCE	ORIGIN	RT29	
17-138		ONTARIO	

Scale 1 Gross Wt. 54100 LB
Scale 3 Tare Wt. 38700 LB TRUCK EXPIRES / /
Net Weight 15400 LB LIT# CONTAINER
7.70 TON B/R-CONTAM SOIL
1.00 BUD-ENV FEE

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

DESIGNATED FACILITY

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

45 Jackson St.

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seven Meadows Ind. II

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total

Quantity

12. Unit

Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Month Day Year

Transporter 2 Printed/Typed Name

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

Decca Meadows Landfill
2786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE		TICKET		GRID		WEIGHMASTER	
01		00054369		EE		KRISTY	
DATE IN		DATE OUT		TIME IN		TIME OUT	
11/16/17		11/16/17		15:18		15:31	
REFERENCE				ORIGIN			
17-138				ONTARIO			
VEHICLE		ROLL OFF					
RT16							

Scale 1 Gross Wt.

64700 LB

Scale 3 Tare Wt.

29960 LB TRUCK EXPIRES / /

Net Weight

34740 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.37	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Geneva

4. Generator's Phone ()

5. Transporter 1 Company Name

Riccelli Trucking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Senea Meadows Landfill

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

a. Contaminated Soil

12. Containers
No. Type

13.
Total
Quantity

14.
Unit
Wt/Vol

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Colin Edington

Signature

[Signature]

Month Day Year

11 11 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Eric 11/11/97

Signature

[Signature]

Month Day Year

11 11 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Morgan Wadhams

Signature

[Signature]

Month Day Year

11 11 97

Seneca Meadows Landfill
1786 Salcam Rd
Watertown, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER			
01	00054298	EE	KRISTY			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
11/16/17	11/16/17	13:52	14:17	RT16		
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt.

64820 LB

Scale 3 Tare Wt.

30020 LB TRUCK EXPIRES / /

Net Weight

34800 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.40	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

W6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Gordon Eddington	[Signature]	11	16	17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[Signature]	[Signature]	11	16	17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
[Signature]	[Signature]	11	16	17

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Geneva

4. Generator's Phone

45 Jackson St

5. Transporter 1 Company Name

Riccelli Trucking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Geneva Meadows Landfill

10. US EPA ID Number

C. Facility's Phone

198

11. Waste Shipping Name and Description

12. Containers

No.

Type

13.
Total
Quantity

14.
Unit
Wt/Vol

a. Contaminated Soil

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Gordon Edgington

Signature

[Signature]

Month Day Year

11 10 17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

[Signature]

Signature

[Signature]

Month Day Year

11 10 17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

11 10 17

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

11 10 17

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

INBOUND CHARGE

SITE	TICKET	GRID	WEIGHMASTER			
01	00054082	EE	Morgan W			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
11/16/17	11/16/17	10:15	11:31	RT16		
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt.
Scale 3 Tare Wt.

64040 LB
29880 LB TRUCK
34160 LB LIC# CONTAINER
EXPIRES / /

Net Weight

UNIT

DESCRIPTION

17.08
1.00

TON

B/R-CONTAM SOIL
BUD-ENV FEE

RATE

EXTENSION

FEE

TOTAL

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

NET AMOUNT

TENDERED

CHANGE

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

NON-HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Olen

45 Jucker St.

4. Generator's Phone ()

5. Transporter 1 Company Name

Ricelli Trucking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

Seneca Meadows Landfill

11. Waste Shipping Name and Description

12. Containers

13. Total
Quantity

14. Unit
Wt/Vol

No.

Type

a. Contaminated Soil

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

Bob Edinger

[Signature]

11/16/17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Michael Hays

[Signature]

11/16/17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

[Signature]

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

INBOUND CHARGE

SITE	TICKET	GRID	WEIGHMASTER			
01	00054228	EE	KRISTY			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
11/16/17	11/16/17	12:37	12:52	RT16		
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt.

63420 LB

Scale 3 Tare Wt.

29980 LB TRUCK EXPIRES / /

Net Weight

33440 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
16.72	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.



SIGNATURE

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

VW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

OR

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name <i>Gordon P. Edgington</i>	Signature <i>Gordon P. Edgington</i>	Month <i>11</i>	Day <i>16</i>	Year <i>17</i>
--	---	--------------------	------------------	-------------------

17. Transporter 1 Acknowledgement of Receipt of Materials	Printed/Typed Name <i>Michael Hayes</i>	Signature <i>Michael Hayes</i>	Month <i>11</i>	Day <i>16</i>	Year <i>17</i>
---	--	-----------------------------------	--------------------	------------------	-------------------

18. Transporter 2 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month	Day	Year
---	--------------------	-----------	-------	-----	------

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name <i>[Signature]</i>	Signature <i>[Signature]</i>	Month <i>11</i>	Day <i>16</i>	Year <i>17</i>
--	---------------------------------	--------------------	------------------	-------------------

NON-HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Geneva

45 Jackson St.

4. Generator's Phone ()

5. Transporter 1 Company Name

Riccelli Trucking

6. US EPA ID Number

A. Transporter's Phone

171

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

172

9. Designated Facility Name and Site Address

Seneca Meadows Landfill

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

a. Contaminated Soil

12. Containers

No. Type

13. Total
Quantity

14. Unit
Wt/Vol

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00054361	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/16/17	11/16/17	15:12	15:30	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt.

62380 LB

Scale 3 Tare Wt.

27860 LB

Net Weight

34520 LB TRUCK EXPIRES / /

QTY.

UNIT

34520 LB LIC# CONTAINER

DESCRIPTION

RATE

EXTENSION

FEE

TOTAL

17.26

TON

B/R-CONTAM SOIL

1.00

BUD-ENV FEE

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

CARRIER: 8667 RICCELLI ENT

NOTE: 0-NONE

611 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Glen

4. Generator's Phone (

45 Jackson

5. Transporter 1 Company Name

Riccelli Trucking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sonoma Meadowsland: 11

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

a. Contaminated Soil

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

00054290		EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/16/17	11/16/17	13:49	14:08	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 58620 LB
Scale 3 Tare Wt. 27660 LB TRUCK EXPIRES / /
Net Weight 30960 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
15.48	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAULER: 8667 RICELLI ENT
ROUTE: 0-NONE
W671 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
---	---

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Donald Edgely	[Signature]			

17. Transporter 1 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month	Day	Year
	Shy Simon	[Signature]	11	16	17

18. Transporter 2 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.	Printed/Typed Name	Signature	Month	Day	Year
		[Signature]	11	16	17

TRANSPORTER
FACILITY

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Green

4. Generator's Phone

45 Jackson St.

5. Transporter 1 Company Name

Riccelli Trucking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Seneca Meadows Landfill

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

a. *Contaminated Soil*

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Donald Edgely

Signature

[Signature]

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Shy Stanton

Signature

[Signature]

Month Day Year

11/16/17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

[Signature]

Month Day Year

11/16/17

GENERATOR

TRANSPORTER

FACILITY

Waterloo, NY 13165

INBOUND CHARGE

11/16/17	11/16/17	12:22	12:45	RT12
REFERENCE		ORIGIN		
17-138		ONTARIO		

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

Scale 1 Gross Wt. 58400 LB
Scale 3 Tare Wt. 28020 LB TRUCK EXPIRES / /
Net Weight 30380 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
15.19	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

AULER: 8667 RICCELLI ENT

NOTE: 0-NONE

TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Geneva

4. Generator's Phone ()

45 Jackson St

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

Sewer Meadows Landfill

11. Waste Shipping Name and Description

12. Containers

13. Total
Quantity14. Unit
Wt/Vol

a. Contaminated Soil

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

C. J. Edgington

C. J. Edgington

11/16/17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Shy Simonson

Shy Simonson

11/16/17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

11/16/17

GENERATOR

TRANSPORTER

FACILITY

Geneva Meadows Landfill
786 Salem Rd
Waterloo, NY 13165
INBOUND CHARGE
08027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00054071	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/16/17	11/16/17	10:01	11:24	RT12	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 60240 LB
Scale 3 Tare Wt. 28280 LB TRUCK EXPIRES / /
Net Weight 31960 LB LTC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
15.98	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAULER: 8667 RICCELLI ENT
SITE: NONE
W6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

TRANSPORTER

FACILITY

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name Signature Month Day Year 11 16 17

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year 11 16 17

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name Signature Month Day Year 11 16 17

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Geneva

4. Generator's Phone ()

5. Transporter 1 Company Name

Rucelle Trucking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Green Meadow Landfill

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

a. Contaminated Soil

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

11 16 17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

11 16 17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

11 16 17

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

11 16 17

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00055394	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/20/17	11/20/17	09:01	09:22	RT14	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 58140 LB
Scale 3 Tare Wt. 27460 LB TRUCK EXPIRES / /
Net Weight 30680 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
15.34	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE



NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Grosse Pointe

4. Generator's Phone ()

45 Jackson St.

5. Transporter 1 Company Name

Riccielli Trucking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Severus Meridian Landfill

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Contaminated Soil

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

David Edington

Signature

[Signature]

Month Day Year

11/20/17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

THOMAS R. ZORODOWSKI

Signature

[Signature]

Month Day Year

11/20/17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

[Signature]

Signature

[Signature]

Month Day Year

11/20/17

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00055481	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/20/17	11/20/17	10:57	11:20	RT14	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 65620 LB
Scale 3 Tare Wt. 27300 LB TRUCK EXPIRES / /
Net Weight 38320 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.16	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.



HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Geneva

4. Generator's Phone ()

45 Jackson

5. Transporter 1 Company Name

Picelli Trucking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Seneca Meadows

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

a. *Contaminated Soil*

12. Containers
No. Type

13.
Total
Quantity

14.
Unit
Wt/Vol

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
Carol K. Smith

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
THOMAS R. ZORODOWSKI

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00055601	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/20/17	11/20/17	13:34	14:17	RT14	
REFERENCE		ORIGIN			
17-138		ONTARIO			

NET WEIGHT QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.77	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

ROUTE: 0-NONE

VW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of
3. Generator's Name and Mailing Address <i>City of Geneva</i>		<i>45 Jackson St.</i>		
4. Generator's Phone ()				
5. Transporter 1 Company Name <i>Riccelli Trucking</i>		6. US EPA ID Number	A. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone	
9. Designated Facility Name and Site Address <i>Seneca Meadows</i>		10. US EPA ID Number	C. Facility's Phone	
11. Waste Shipping Name and Description		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. <i>Contaminated Soil</i>				
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name <i>Chris Edgington</i>		Signature <i>Chris Edgington</i>	Month <i>11</i>	Day <i>20</i> Year <i>17</i>
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Thomas R. Zdrodowski</i>	Month <i>11</i>	Day <i>20</i> Year <i>17</i>
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature	Month	Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name		Signature <i>[Signature]</i>	Month <i>11</i>	Day <i>20</i> Year <i>17</i>

GENERATOR

TRANSPORTER

FACILITY

Sea Meadows Landfill
786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

08027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00055609	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/20/17	11/20/17	13:41	14:26	RT10	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 69840 LB
Scale 3 Tare Wt. 30900 LB TRUCK EXPIRES / /
Net Weight 38940 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.47 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.



AULER: 8667 RICCELLI ENT
ROUTE: 0-NONE
7671 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Genoa

4. Generator's Phone ()

45 Jackson

5. Transporter 1 Company Name

Riccelli Trucking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Seneca Meadows Landfill

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

a. Contaminated Soil

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00055523	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/20/17	11/20/17	11:49	12:13	RT10	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt.

65180 LB

Scale 3 Tare Wt.

30820 LB TRUCK EXPIRES / /

Net Weight

34360 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.18 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

NET AMOUNT

TENDERED

CHANGE


CHECK NO.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE



CR

d.

NON-HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Geneva

4. Generator's Phone ()

45 Jackson

5. Transporter 1 Company Name

Riccelli Trucking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Geneva Meadows

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

a. Contaminated Soil

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name
Cord Edgington

Signature
Cord Edgington

Month Day Year
11 20 17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
Michael Hays

Signature
Michael Hays

Month Day Year
11 20 17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Kathy Edgington

Signature
Kathy Edgington

Month Day Year

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00055442	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/20/17	11/20/17	09:52	10:36	RT10	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Manual Gross Wt.
Scale 3 Tare Wt.

67140 LB
30660 LB TRUCK EXPIRES / /

Net Weight

36480 LB LIC# CONTAINER

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.24 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.



HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Geneva

4. Generator's Phone ()

45 Jackson

5. Transporter 1 Company Name

Ricelli Trucking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Geneva Meadows

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

a. Contaminated Soil

12. Containers

No. Type

13.
Total
Quantity14.
Unit
Wt/Vol

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Cord Eddington

Signature

[Signature]

Month Day Year

11 29 17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Michael Mayes

Signature

[Signature]

Month Day Year

11 30 17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Cord Eddington

Signature

[Signature]

Month Day Year

INBOUND CHARGE

CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE		TICKET		GRID		WEIGHMASTER	
01		00055375		EE		KRISTY	
DATE IN		DATE OUT		TIME IN		TIME OUT	
VEHICLE		ROLL OFF					
11/20/17		11/20/17		08:37		09:14	
RT17							
REFERENCE				ORIGIN			
17-138				ONTARIO			

Gross Wt.	52300 LB		
3 Tare Wt.	29280 LB	TRUCK	EXPIRES / /
Right	23020 LB	LIC#	CONTAINER
UNIT		DESCRIPTION	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
.51	TON	B/R-CONTAM SOIL				
.00		BUD-ENV FEE				
						NET AMOUNT

ting Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
is to certify that this load does not contain any
dous materials, medical waste or liquids of any

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

IR: 8667 RICCELLI ENT

TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

d.

HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1 of

Generator's Name and Mailing Address

4. Generator's Phone (

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers

13. Total Quantity

14. Unit Wt/Vol

a. Contaminated Soil

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

13165

INBOUND CHARGE

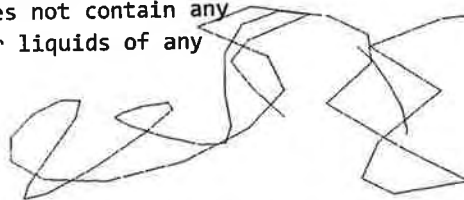
CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00055458	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/20/17	11/20/17	10:20	10:38	RT17	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 64100 LB
Scale 3 Tare Wt. 29120 LB TRUCK EXPIRES / /
Net Weight 34980 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.49	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.



HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6TI TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

R

d.

HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1 of

Generator's Name and Mailing Address

City of Geneva

45 Jackson St.

4. Generator's Phone

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

Seneca Meadows

11. Waste Shipping Name and Description

12. Containers

13. Total Quantity

14. Unit Wt/Vol

a. Contaminated Soil

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1 of

Generator's Name and Mailing Address

City of Geneseo

45 Jackson

4. Generator's Phone

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

Seneca Meadows

11. Waste Shipping Name and Description

12. Containers

13. Total Quantity

14. Unit Wt/Vol

a. Contaminated Soil

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name Gordon Edgington

Signature

Month Day Year 11 20 17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Denis Tobey

Signature

Month Day Year 11 20 17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Gordon Edgington

Signature

Month Day Year 11 20 17

GENERATOR

TRANSPORTER

FACILITY

13165

INBOUND CHARGE

CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00055629	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/20/17	11/20/17	13:59	14:32	RT17	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt.

67560 LB

Scale 3 Tare Wt.

29280 LB TRUCK EXPIRES / /

Net Weight

38280 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.14 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

d.

HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1 of

Generator's Name and Mailing Address

City of Geneva

45 Jackson

4. Generator's Phone ()

5. Transporter 1 Company Name

Miccelli Trucking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Geneva Meadows

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

a. Contaminated Soil

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Gordon Eddinger

Signature

[Signature]

Month Day Year
11 20 17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Denis Kelly

Signature

[Signature]

Month Day Year
11 20 17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

[Signature]

Month Day Year
11 20 17

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

[Signature]

Signature

[Signature]

Month Day Year
11 20 17

GENERATOR

TRANSPORTER

FACILITY

NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00055694	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/20/17	11/20/17	15:40	16:01	RT16	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 51180 LB
Scale 3 Tare Wt. 30100 LB TRUCK EXPIRES / /

Net Weight 21080 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
10.54 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm, Sat 6:00am-11:30am.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE
WW611 TO REORDER CONTACT CAROLINA



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

GRID	WEIGHMASTER
------	-------------

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

Generator's Name and Mailing Address

City of Geneva

45 Jackson

4. Generator's Phone ()

5. Transporter 1 Company Name

Riccelli Tracking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Seneca Meadows

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

a. Contaminated Soil

12. Containers

No. Type

13. Total
Quantity

14. Unit
Wt/Vol

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Ordon Eddington

Signature

[Signature]

Month Day Year

11 20 17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

- - -

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

- - -

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Ordon Eddington

Signature

[Signature]

Month Day Year

11 20 17

ORIGINAL - RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

308027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

INBOUND CHARGE

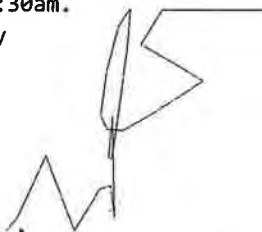
SITE	TICKET	GRID		WEIGHMASTER	
01	00055619	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/20/17	11/20/17	13:49	14:21	RT16	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 69940 LB
Scale 3 Tare Wt. 30200 LB TRUCK EXPIRES / /
Net Weight 39740 LB LIC# CONTAINER

CITY	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.87 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE
W6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE 

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

4. Generator's Phone (

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Contaminated Soil

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00055520	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/20/17	11/20/17	11:47	12:12	RT16	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 68040 LB
Scale 3 Tare Wt. 30040 LB TRUCK EXPIRES / /
Net Weight 38000 LB LIC# CONTAINER

CITY	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.00 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE
/W6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE 

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	
3. Generator's Name and Mailing Address <i>City of Geneva</i>				45 Jackson St.	
4. Generator's Phone ()					
5. Transporter 1 Company Name <i>Riccielli Trucking</i>		6. US EPA ID Number		A. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter's Phone	
9. Designated Facility Name and Site Address <i>Seneca Meadows</i>		10. US EPA ID Number		C. Facility's Phone	
11. Waste Shipping Name and Description a. <i>Contaminated Soil</i> b. c. d.				12. Containers	
				No.	Type
				13. Total Quantity	
				14. Unit Wt/Vol	
D. Additional Descriptions for Materials Listed Above				E. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Printed/Typed Name <i>Gordon Eddington</i>		Signature <i>[Signature]</i>		Month Day Year 11/20/17	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name <i>Jon Pastorek</i>		Signature <i>[Signature]</i>		Month Day Year 11/20/17	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature <i>[Signature]</i>		Month Day Year 11/20/17	

GENERATOR

TRANSPORTER

FACILITY

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00055428	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/20/17	11/20/17	09:25	09:43	RT16	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Net Weight QTY.	UNIT	33300 LB LIC# CONTAINER DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
16.65	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	
3. Generator's Name and Mailing Address <i>City of Genoa</i>			45 Jackson		
4. Generator's Phone ()					
5. Transporter 1 Company Name <i>Riccelli Trucking</i>		6. US EPA ID Number	A. Transporter's Phone		
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address <i>Seneca Meadows</i>		10. US EPA ID Number	C. Facility's Phone		
11. Waste Shipping Name and Description			12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. <i>Contaminated Soil</i>					
b.					
c.					
d.					
D. Additional Descriptions for Materials Listed Above			E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Printed/Typed Name <i>Carol Eddington</i>		Signature <i>[Signature]</i>		Month <i>11</i>	Day Year <i>29 07</i>
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month	Day Year
Printed/Typed Name		Signature			
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month	Day Year
Printed/Typed Name		Signature			
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Month <i>11</i>	Day Year <i>1/2011</i>

FAKE (910) 799-6767 SIGNATURE

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00055690	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
11/20/17	11/20/17	15:35	16:02	RT14	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 66560 LB
Scale 3 Tare Wt. 27360 LB TRUCK EXPIRES / /
Net Weight 39200 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.60	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
DATE: NONE

W6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060201	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	08:39	09:06	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 61500 LB
Scale 3 Tare Wt. 28100 LB TRUCK EXPIRES / /
Net Weight 33400 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
16.70	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
ROUTE: A-MONE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of		
3. Generator's Name and Mailing Address <i>City of Glenview</i>			45 Jackson			
4. Generator's Phone ()						
5. Transporter 1 Company Name <i>Riccelli Trucking</i>		6. US EPA ID Number		A. Transporter's Phone		
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter's Phone		
9. Designated Facility Name and Site Address <i>Green Meadows</i>		10. US EPA ID Number		C. Facility's Phone		
11. Waste Shipping Name and Description			12. Containers		13. Total Quantity	
			No.	Type	14. Unit Wt/Vol	
			a. <i>Contaminated Soil</i>			
			b.			
			c.			
D. Additional Descriptions for Materials Listed Above			E. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.						
Printed/Typed Name <i>Carol E. Light</i>			Signature <i>[Signature]</i>		Month Day Year <i>12 4 17</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name			Signature		Month Day Year - - -	
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name			Signature		Month Day Year - - -	
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name <i>[Signature]</i>			Signature <i>[Signature]</i>		Month Day Year <i>12 4 17</i>	

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060206	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	08:43	09:21	RT16	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 71100 LB
Scale 3 Tare Wt. 29720 LB TRUCK EXPIRES / /
Net Weight 41380 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.69 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: A. NAME

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE _____



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	
3. Generator's Name and Mailing Address <i>City of Green</i>				45 Jackson	
4. Generator's Phone () - - - - -					
5. Transporter 1 Company Name <i>Riccelli Trucking</i>		6. US EPA ID Number		A. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter's Phone	
9. Designated Facility Name and Site Address <i>Seneca Meadows Landfill</i>		10. US EPA ID Number		C. Facility's Phone	
11. Waste Shipping Name and Description a. <i>Contaminated Soil</i> b. c. d.				12. Containers No.	Type
13. Total Quantity				14. Unit Wt/Vol	
D. Additional Descriptions for Materials Listed Above				E. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Printed/Typed Name <i>Don Edgington</i>		Signature <i>Don Edgington</i>		Month Day Year <i>12 3 17</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name <i>Michael Hays</i>		Signature <i>Michael Hays</i>	
				Month Day Year <i>12 4 17</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
				Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature <i>[Signature]</i>		Month Day Year <i>12 4 17</i>	

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER		
01	00060219	EE		Morgan W		
DATE IN		DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17		12/04/17	08:56	09:28	RT13	
REFERENCE				ORIGIN		
17-138				ONTARIO		

Scale 1 Gross Wt. 71480 LB
Scale 3 Tare Wt. 27940 LB TRUCK EXPIRES / /
Net Weight 43540 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.77 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE _____



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of
3. Generator's Name and Mailing Address <i>City of Green</i>		45 Jackson		
4. Generator's Phone ()				
5. Transporter 1 Company Name <i>Riccielli Trucking</i>		6. US EPA ID Number	A. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone	
9. Designated Facility Name and Site Address <i>Seneca Meadows</i>		10. US EPA ID Number	C. Facility's Phone	
11. Waste Shipping Name and Description		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. <i>Contaminated Soil</i>				
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name <i>Corden</i>		Signature <i>[Signature]</i>	Month <i>12</i>	Day <i>13</i> Year <i>17</i>
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name <i>Chris VanPatten</i>		Signature <i>CV</i>	Month <i>12</i>	Day <i>13</i> Year <i>17</i>
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature	Month	Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>	Month <i>12</i>	Day <i>13</i> Year <i>17</i>

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060223	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	09:02	09:29	RT10	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 74680 LB
Scale 3 Tare Wt. 31160 LB TRUCK EXPIRES / /
Net Weight 43520 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.76 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0 - NONE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. *****	Manifest Doc. No. *****	2. Page 1 of	
3. Generator's Name and Mailing Address <i>City of Genoa</i>					
4. Generator's Phone () <i>45 Jackson</i>					
5. Transporter 1 Company Name <i>Ricelli Trucking</i>		6. US EPA ID Number *****	A. Transporter's Phone		
7. Transporter 2 Company Name		8. US EPA ID Number *****	B. Transporter's Phone		
9. Designated Facility Name and Site Address <i>Seneca Meadows</i>		10. US EPA ID Number *****	C. Facility's Phone		
11. Waste Shipping Name and Description			12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. <i>Contaminated Soil</i>			
b.			
c.			
d.			
D. Additional Descriptions for Materials Listed Above			E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Printed/Typed Name <i>George Eddington</i>		Signature <i>George Eddington</i>		Month Day Year <i>1-12-91</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name <i>Robert J. ...</i>		Signature <i>Robert J. ...</i>		Month Day Year <i>1-12-91</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name <i>George Eddington</i>		Signature <i>George Eddington</i>		Month Day Year <i>1-12-91</i>	

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER		
01	00060277	EE		Morgan W		
DATE IN		DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17		12/04/17	10:04	10:38	RT17	
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt. 75080 LB
Scale 3 Tare Wt. 29660 LB TRUCK EXPIRES / /
Net Weight 45420 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
22.71 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of		
3. Generator's Name and Mailing Address <i>City of Geneva</i>		45 Jackson St.				
4. Generator's Phone ()						
5. Transporter 1 Company Name <i>Riccelli Trucking</i>		6. US EPA ID Number	A. Transporter's Phone			
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone			
9. Designated Facility Name and Site Address <i>Geneva Meadows Landfill</i>		10. US EPA ID Number	C. Facility's Phone			
11. Waste Shipping Name and Description			12. Containers		13. Total Quantity	
			No.	Type	14. Unit Wt/Vol	
			a. <i>Contaminated Soil</i>			
			b.			
			c.			
d.						
D. Additional Descriptions for Materials Listed Above			E. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.						
Printed/Typed Name <i>William Edinger</i>		Signature <i>William Edinger</i>		Month Day Year <i>12 4 17</i>		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year <i>12 4 17</i>		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name <i>William Edinger</i>		Signature <i>William Edinger</i>		Month Day Year <i>12 4 17</i>		

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060287	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	10:13	10:37	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 71500 LB
Scale 3 Tare Wt. 28160 LB TRUCK EXPIRES / /
Net Weight 43340 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.67 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
DATE: 0-NONE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number	
5. Generator's Name and Mailing Address <i>Cit-101 Geneva</i>			Generator's Site Address (if different than mailing address) <i>45 Jackson</i>			
Generator's Phone:						
6. Transporter 1 Company Name <i>Riccelli Trucking</i>			U.S. EPA ID Number			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <i>Seneca Meadows</i>			U.S. EPA ID Number			
Facility's Phone:						
GENERATOR	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
	1. <i>Contaminated Soil</i>					
	2.					
	3.					
4.						
13. Special Handling Instructions and Additional Information						
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/Offor's Printed/Typed Name <i>Conrad Edington</i>			Signature <i>Conrad Edington</i>		Month <i>12</i>	Day <i>4</i> Year <i>17</i>
TRANSPORTER	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
	16. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name <i>Elmer S. Slaton</i>			Signature <i>Elmer S. Slaton</i>		Month <i>12</i> Day <i>4</i> Year <i>17</i>
Transporter 2 Printed/Typed Name			Signature		Month	Day Year
DESIGNATED FACILITY	17. Discrepancy					
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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 <i>[Signature]</i>			Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>4</i> Year <i>17</i>

Landfill
66 Cam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER		
01	00060295	EE	KRISTY		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	10:25	10:55	RT16	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 77180 LB
Scale 3 Tare Wt. 29440 LB TRUCK EXPIRES / /
Net Weight 47740 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
23.87 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW611 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE



NET AMOUNT

TENDERED

CHANGE

CHECK NO.

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number	
5. Generator's Name and Mailing Address <i>City of Geneva</i>			Generator's Site Address (if different than mailing address) <i>45 Jackson</i>			
Generator's Phone:						
6. Transporter 1 Company Name <i>Riccelli Trucking</i>			U.S. EPA ID Number			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <i>Seneca Meadows</i>			U.S. EPA ID Number			
Facility's Phone:						
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
		No.	Type			
1. <i>Contaminated Soil</i>						
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information						
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/Offendor's Printed/Typed Name <i>London Edgington</i>			Signature <i>London Edgington</i>		Month <i>12</i>	Day <i>9</i> Year <i>17</i>
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.			Port of entry/exit: Date leaving U.S.:			
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name <i>James J. Edgington</i>			Signature <i>James J. Edgington</i>		Month <i>12</i>	Day <i>9</i> Year <i>17</i>
Transporter 2 Printed/Typed Name			Signature		Month	Day Year
17. Discrepancy						
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
17b. Alternate Facility (or Generator)			Manifest Reference Number:		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 <i>James J. Edgington</i>			Signature <i>James J. Edgington</i>		Month <i>12</i>	Day <i>9</i> Year <i>17</i>

1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060309	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	10:39	10:57	RT13	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 77000 LB
Scale 3 Tare Wt. 27880 LB TRUCK EXPIRES / /
Net Weight 49120 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
24.56 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WWKTI TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity12. Unit
Wt./Vol.

No.

Type

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

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

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060316	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	10:46	11:13	RT10	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 74380 LB
Scale 3 Tare Wt. 30920 LB TRUCK EXPIRES / /
Net Weight 43460 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.73	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE

R. J. Turner

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator's Name and Mailing Address <i>City of Geneva</i>			Generator's Site Address (if different than mailing address) <i>45 Jackson</i>		
Generator's Phone:					
6. Transporter 1 Company Name <i>Rivetti Trucking</i>			U.S. EPA ID Number		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address <i>Seneca Meadows</i>			U.S. EPA ID Number		
Facility's Phone:					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. <i>Contaminated Soil</i>					
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information					
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/Offor's Printed/Typed Name <i>Gordon Eddington</i>		Signature <i>Gordon Eddington</i>		Month <i>12</i>	Day <i>4</i> Year <i>17</i>
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit:		Date leaving U.S.:	
Transporter Signature (for exports only):					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name <i>Robert V. Turner</i>		Signature <i>Robert V. Turner</i>		Month <i>12</i>	Day <i>4</i> Year <i>17</i>
Transporter 2 Printed/Typed Name		Signature		Month	Day Year
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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 <i>[Signature]</i>		Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>4</i> Year <i>17</i>

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060352	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	11:28	11:50	RT17	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 64680 LB
Scale 3 Tare Wt. 29300 LB TRUCK EXPIRES / /
Net Weight 35380 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.69 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE

AS

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

45 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Russell Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Sumner Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1.

Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

Carol E. Hingston

[Signature]

12 4 17

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

Signature

Month Day Year

Don Russell

[Signature]

12 4 17

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

[Signature]

[Signature]

12 4 17

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060356	EE	Morgan W		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	11:36	11:51	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 63240 LB
Scale 3 Tare Wt. 28040 LB TRUCK EXPIRES / /
Net Weight 35200 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.60	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
DATE: 0-NONE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

4. Generator's Phone ()

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers
No. Type

13.
Total
Quantity

14.
Unit
Wt/Vol

a. Contaminated Soil

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19

Printed/Typed Name

Signature

Month Day Year

6111
NEVA
E STREET
NY 14456

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00060374	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	12:02	12:15	RT10	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Gross Wt. 65240 LB
Tare Wt. 30740 LB TRUCK EXPIRES / /
Light 34500 LB LTC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.25	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
DATE: 01-10-2018

RV T-10

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of
3. Generator's Name and Mailing Address <i>City of Geneva</i>		45 Jackson		
4. Generator's Phone ()				
5. Transporter 1 Company Name <i>Riccelli Tracking</i>		6. US EPA ID Number	A. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone	
9. Designated Facility Name and Site Address <i>Geneva Meadows</i>		10. US EPA ID Number	C. Facility's Phone	
11. Waste Shipping Name and Description		12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. <i>Contaminated Soil</i>		No. Type		
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name <i>Gordon Edington</i>		Signature <i>[Signature]</i>		Month Day Year <i>12 3 17</i>
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>[Signature]</i>		Month Day Year <i>12 14 17</i>
Printed/Typed Name <i>[Name]</i>		Signature <i>[Signature]</i>		Month Day Year <i>12 14 17</i>
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>		Month Day Year <i>12 14 17</i>

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060423	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	12:54	13:13	RT17	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 65380 LB
Scale 3 Tare Wt. 29300 LB TRUCK EXPIRES / /
Net Weight 36080 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.04 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060419	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	12:47	13:04	RT12	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 69260 LB
Scale 3 Tare Wt. 27960 LB TRUCK EXPIRES / /
Net Weight 41300 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.65	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE
WWW611 TO REORDER CONTACT CAROLINA SOFTWARE

00-6767

SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	
3. Generator's Name and Mailing Address <i>City of Glenora</i>				45 Jackson	
4. Generator's Phone ()					
5. Transporter 1 Company Name <i>Riccelli Trucking</i>		6. US EPA ID Number		A. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter's Phone	
9. Designated Facility Name and Site Address <i>Jensen Meadows</i>		10. US EPA ID Number		C. Facility's Phone	
11. Waste Shipping Name and Description				12. Containers	13. Total Quantity
				No.	Type
a. <i>Contaminated Soil</i>					
b.					
c.					
d.					
D. Additional Descriptions for Materials Listed Above				E. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Printed/Typed Name <i>Orlando Eddington</i>		Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>24</i>
17. Transporter 1 Acknowledgement of Receipt of Materials				Year <i>17</i>	
Printed/Typed Name		Signature		Month	Day
18. Transporter 2 Acknowledgement of Receipt of Materials				Year	
Printed/Typed Name		Signature		Month	Day
19. Discrepancy Indication Space				Year	
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>24</i>
				Year <i>17</i>	

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		EXPIRATION DATE		
01	00060437	EE		Morgan W		
DATE IN		DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17		12/04/17	13:06	14:09	RT10	
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt. 72660 LB
Scale 3 Tare Wt. 30740 LB TRUCK EXPIRES / /
Net Weight 41920 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.96	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

4. Generator's Phone ()

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers
No. Type

13.
Total
Quantity

14.
Unit
Wt/Vol

a.

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHT WASTE	
01	00060518	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	15:07	15:24	RT10	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 73380 LB
Scale 3 Tare Wt. 30680 LB TRUCK EXPIRES / /
Net Weight 42700 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.35 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0 NONE

R. T. Z

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offoror's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐

Import to U.S.

☐

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE #		MOBILE		GRID		VEHICLE					
01		00060487		EE		Morgan W					
DATE IN		DATE OUT		TIME IN		TIME OUT		VEHICLE		ROLL OFF	
12/04/17		12/04/17		14:13		14:30		RT17			
REFERENCE				ORIGIN							
17-138				ONTARIO							

Scale 1 Gross Wt. 74360 LB
Scale 3 Tare Wt. 29220 LB TRUCK EXPIRES / /
Net Weight 45140 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
22.57	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
DRIVER: A. NOME

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of		3. Emergency Response Phone		4. Waste Tracking Number			
		5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)							
GENERATOR		Generator's Phone:		45 Jackson		U.S. EPA ID Number					
		6. Transporter 1 Company Name		Korella Trucking		U.S. EPA ID Number					
TRANSPORTER		7. Transporter 2 Company Name				U.S. EPA ID Number					
		8. Designated Facility Name and Site Address		Senneca Meadows		U.S. EPA ID Number					
DESIGNATED FACILITY		Facility's Phone:									
		9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.			
INT'L		1.		No.		Type					
		2.									
		3.									
		4.									
TRANSPORTER		13. Special Handling Instructions and Additional Information									
		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/Offor's Printed/Typed Name						Signature		Month Day Year	
		Gordon Edgington						[Signature]		12 17	
DESIGNATED FACILITY		15. International Shipments		<input type="checkbox"/> Import to U.S.		<input type="checkbox"/> Export from U.S.		Port of entry/exit:			
		Transporter Signature (for exports only):				Date leaving U.S.:					
		16. Transporter Acknowledgment of Receipt of Materials		Signature:		Month Day Year					
		Transporter 1 Printed/Typed Name		[Signature]		Month Day Year					
DESIGNATED FACILITY		Transporter 2 Printed/Typed Name		Signature:		Month Day Year					
		17. Discrepancy		17a. Discrepancy Indication Space		<input type="checkbox"/> Quantity		<input type="checkbox"/> Type			
				<input type="checkbox"/> Residue		<input type="checkbox"/> Partial Rejection		<input type="checkbox"/> Full Rejection			
				Manifest Reference Number:		U.S. EPA ID Number					
DESIGNATED FACILITY		17b. Alternate Facility (or Generator)				U.S. EPA ID Number					
		Facility's Phone:				Month Day Year					
		17c. Signature of Alternate Facility (or Generator)				Month Day Year					
DESIGNATED FACILITY		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					
DESIGNATED FACILITY											

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13155

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00060470	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	13:57	14:11	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt.
Scale 3 Tare Wt.
Net Weight

63820 LB
28040 LB TRUCK EXPIRES / /
35780 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.89	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER:

8667 RICCELLI ENT

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of		3. Emergency Response Phone		4. Waste Tracking Number	
		5. Generator's Name and Mailing Address <i>City of Lawrence</i>		Generator's Site Address (if different than mailing address) <i>45 Jackson</i>					
Generator's Phone:		6. Transporter 1 Company Name <i>Ricardi Trucking</i>						U.S. EPA ID Number	
		7. Transporter 2 Company Name						U.S. EPA ID Number	
8. Designated Facility Name and Site Address <i>Somerville Meadows</i>								U.S. EPA ID Number	
Facility's Phone:									
GENERATOR	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.			
			No.	Type					
	1.								
	2.								
	3.								
4.									
13. Special Handling Instructions and Additional Information									
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/Offoror's Printed/Typed Name <i>Condon Edgington</i>					Signature <i>[Signature]</i>		Month Day Year <i>12 4 17</i>		
INT'L	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:						
	Transporter Signature (for exports only):								
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials								
	Transporter 1 Printed/Typed Name <i>[Signature]</i>					Signature <i>[Signature]</i>		Month Day Year <i>12 4 17</i>	
Transporter 2 Printed/Typed Name					Signature		Month Day Year		
DESIGNATED FACILITY	17. Discrepancy								
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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 <i>[Signature]</i>					Signature <i>[Signature]</i>		Month Day Year <i>12 4 17</i>		

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060519	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	15:12	15:25	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 70360 LB
Scale 3 Tare Wt. 27900 LB TRUCK EXPIRES / /
Net Weight 42460 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.23 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
DATE: 0-NONE



WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year
12 4 17

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

Signature

Month Day Year

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

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00060540	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	15:34	15:52	RT17	
REFERENCE		ORIGIN			
17-138		ONTARIO			

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
24.00	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

SIGNATURE

CHECK NO. _____

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year
12 4 17

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

Signature

Month Day Year
12 4 17

Transporter 2 Printed/Typed Name

Signature

Month Day Year
12 4 17

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity☐ Type☐ Residue☐ Partial Rejection☐ Full Rejection

17b. Alternate Facility (or Generator)

Manifest Reference Number:

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year
12 4 17

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
12 4 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

4. Waste Tracking Number
an mailing address)
Jackson
U.S. EPA ID Number
U.S. EPA ID Number
U.S. EPA ID Number

11. Total Quantity	12. Unit Wt./Vol.				

ve by the proper shipping name, and are classified, packaged, mental regulations.
Month Day Year
12 4 17
Month Day Year
11 9 17
Month Day Year
☐ Partial Rejection ☐ Full Rejection

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER			
01	00060539	EE	Morgan W			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
12/04/17	12/04/17	15:33	15:56	RT26		
REFERENCE		ORIGIN				
17-138		ONTARIO				

Scale 1 Gross Wt.
Scale 3 Tare Wt.

Net Weight

24.79 TON
1.00

85740 LB
36160 LB TRUCK EXPIRES / /
49580 LB LIC# CONTAINER
B/R-CONTAM SOIL
BUD-ENV FEE

RATE EXTENSION FEE TOTAL

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

8667 RICCELLI ENT
Q. MCMC
ORDER CONTACT CAROLINA SOFTWARE (910) 799-6767
SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

DESIGNATED FACILITY
17b. Alternate Facility (or Generator)
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 *Kathy Eddington* Signature
Month Day Year
169-BLS-C 5 11979 (Rev. 9/09)
GENERATOR'S/SHIPPER'S INITIAL COPY

HAZARDOUS MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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.

Generators/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

neca Meadows Landfill
86 Salcam Rd
terloo, NY 13165

8027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00060461	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	13:48	14:13	RT26	
REFERENCE			ORIGIN		
17-138			ONTARIO		

ale 1 Gross Wt. 73520 LB
ale 3 Tare Wt. 36300 LB TRUCK EXPIRES / /
t Weight 37220 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.61	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

is to certify that this load does not contain any
ardous materials, medical waste or liquids of any
e.

[Handwritten signature]

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

LER: 8667 RICCELLI ENT
TE: 2-NONE

TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

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/Offor's Printed/Typed Name *Carroll Eddington* Signature *[Signature]* Month *12* Day *4* Year *17*

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name *JOHN N. STUPNE* Signature *[Signature]* Month *12* Day *4* Year *17*

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: U.S. EPA ID Number

17b. Alternate Facility (or Generator) 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

U.S. HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year
12 4 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year
12 4 17

Transporter 2 Printed/Typed Name

Signature

Month Day Year
12 4 17

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER		
01	00060389	EE	KRISTY		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	12:20	12:48	RT26	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 91180 LB
Scale 3 Tare Wt. 36080 LB TRUCK EXPIRES / /
Net Weight 55100 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
27.55 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW611 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

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/Officer's Printed/Typed Name

Signature

Month Day Year

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

Signature

Month Day Year

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

HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of		3. Emergency Response Phone		4. Waste Tracking Number		
Generator's Name and Mailing Address <i>City of Genoa</i>				Generator's Site Address (if different than mailing address) <i>45 Jackson</i>						
Generator's Phone:				6. Transporter 1 Company Name <i>Ricelli Trucking</i>				U.S. EPA ID Number		
				7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address <i>Seneca Meadows</i>				U.S. EPA ID Number						
Facility's Phone:				9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
						No.	Type			
1.		<i>Contaminated Soil</i>								
2.										
3.										
4.										
13. Special Handling Instructions and Additional Information										
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/Offor's Printed/Typed Name <i>John Edington</i>				Signature <i>John Edington</i>				Month <i>12</i>	Day <i>4</i>	Year <i>17</i>
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.				Port of entry/exit: Date leaving U.S.:						
16. Transporter Acknowledgment of Receipt of Materials										
Transporter 1 Printed/Typed Name <i>John A. Stone</i>				Signature <i>John A. Stone</i>				Month <i>12</i>	Day <i>4</i>	Year <i>17</i>
Transporter 2 Printed/Typed Name				Signature				Month	Day	Year
17. Discrepancy										
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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

Seneca Meadows Landfill
1786 Saicam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060233	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/04/17	12/04/17	09:19	09:44	RT26	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 72020 LB
Scale 3 Tare Wt. 36360 LB TRUCK EXPIRES / /
Net Weight 35660 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.83	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

HAULER: 8667 RICCELLI ENT
DATE: 2-NONE

gm

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE _____

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Gordon Edgington

Signature

Gordon Edgington

Month Day Year

12 3 17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

JOHN A. STURGE

Signature

John A. Sturge

Month Day Year

12 4 17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

12 4 17

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

City of Geneva

45 Tanks

4. Generator's Phone ()

5. Transporter 1 Company Name

Riccelli Trucking

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Seneca Meadows Landfill

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Contaminated Soil

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Gordon Edgington

Signature

[Signature]

Month Day Year

12 3 17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

JOHN M. STURPKE

Signature

[Signature]

Month Day Year

12 14 17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

[Signature]

Signature

[Signature]

Month Day Year

12 14 17

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER			
01	00060327	EE	Morgan W			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
12/04/17	12/04/17	10:56	11:17	RT26		
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt. 74540 LB
Scale 3 Tare Wt. 36020 LB TRUCK EXPIRES / /
Net Weight 38520 LB LTC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.26 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

HAULER: 8667 RICELLI ENT

DATE: 0 - NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

[Handwritten Signature]

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

Gordon Eddington

[Signature]

12/4/17

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

JOHN M. STUPER

[Signature]

12/4/17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

[Handwritten Signature]

12/4/17

NON-HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

Generator's Name and Mailing Address

City of Geneva
Generator's Phone ()

45 Jackson

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers

13. Total
Quantity

14. Unit
Wt/Vol

a. Contaminated Soil

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year
12 4 11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
12 4 11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
12 4 11

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year
12 4 11

INBOUND CHARGE

SITE		TICKET		GRID		\ WEIGHMASTER	
01		00061195		EE		Morgan W	
DATE IN		DATE OUT		TIME IN		TIME OUT	
VEHICLE		ROLL OFF					
12/06/17		12/06/17		08:22		08:40	
RT14							
REFERENCE				ORIGIN			
17-138				ONTARIO			

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.30	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

in any
any

A handwritten signature in black ink, appearing to be 'J. H. H.', is written over the 'any' text in the first row.

CHECK NO. _____

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

City of Geneva

Generator's Site Address (if different than mailing address)

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

Kiccells Trucking

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1.

Contaminated Soil

2.

TICKET # 61020

21.72

T

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

Dave Maxwell for Gordon Eddington

Dave Maxwell

12 05 17

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

Signature

Month Day Year

THOMAS R. ZDRODOWSKI

Thomas R. Zdrodowski

12 05 17

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:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

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

TRANSPORTER #1

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER		
01	00060682	EE		Morgan W		
DATE IN		DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17		12/05/17	08:13	08:39	RT17	
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt. 67920 LB
Scale 3 Tare Wt. 29360 LB TRUCK EXPIRES / /
Net Weight 38560 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.28 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
DATE: 2-MON



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offoror's Printed/Typed Name

Signature

Month Day Year
12 5 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year
12 3 17

Transporter 2 Printed/Typed Name

Signature

Month Day Year
12 3 17

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity

☐ Type

☐ Residue

☐ Partial Rejection

☐ Full Rejection

17b. Alternate Facility (or Generator)

Manifest Reference Number:

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
12 7 17

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE		TICKET		GRID		WEIGHMASTER	
01		00060700		EE		Morgan W	
DATE IN		DATE OUT		TIME IN		TIME OUT	
12/05/17		12/05/17		08:33		08:57	
REFERENCE				ORIGIN			
17-138				ONTARIO			

Scale 1 Gross Wt. 69500 LB
Scale 3 Tare Wt. 29220 LB TRUCK EXPIRES / /
Net Weight 40280 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.14 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

MANIFEST: LOAD 4

HAULER: 8667 RICCELLI ENT
POLITE - NONE

W6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE _____



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

4

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Riccelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

3.

4.

60700

20.14

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

Corbin Edington

[Signature]

12 5 17

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

Signature

Month Day Year

Jody Stetzel

[Signature]

12 5 17

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

[Signature]

12 5 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00060705	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	08:38	09:07	RT14	
REFERENCE		ORIGIN			
17-138		ONTARIO			

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.42	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

3

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Riccelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1.

Contaminated Soil

7

2.

TR # 60705

20.42 T

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

Gordon Edgington

Gordon Edgington

12 17

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

Signature

Month Day Year

THOMAS R. ZDRODOUSKI

Thomas R. Zdrodowski

12 05 17

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

[Signature]

[Signature]

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

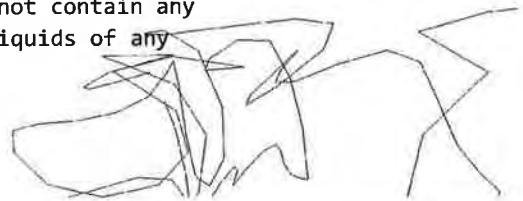
008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060691	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	08:23	08:56	RIC315	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 72220 LB
Scale 3 Tare Wt. 29440 LB TRUCK EXPIRES / /
Net Weight 42780 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.39 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
MANIFEST: LOAD 5
HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE
WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE _____



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

5

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone

6. Transporter 1 Company Name

U.S. EPA ID Number

Riccelli Tracking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

Gordon Edgington

[Signature]

12 5 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Duane BAUMAN

[Signature]

12 5 17

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

[Signature]

12 07

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		VEHICLE INFORMATION	
01	00060765	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	09:39	10:06	RT17	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 76360 LB
Scale 3 Tare Wt. 29560 LB TRUCK EXPIRES / /
Net Weight 46800 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
23.40	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

MANIFEST: LOAD 6

HAULER: 8667 RICCELLI ENT
DATE: 2-MON



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAZARDOUS MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

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

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity

☐ Type

☐ Residue

☐ Partial Rejection

☐ Full Rejection

17b. Alternate Facility (or Generator)

Manifest Reference Number:

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00060716	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	08:49	09:10	RT12	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 70400 LB
Scale 3 Tare Wt. 28260 LB TRUCK EXPIRES / /
Net Weight 42140 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.07 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

MANIFEST: LOAD 2

HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060778	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	09:55	10:22	RIC315	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 68960 LB
Scale 3 Tare Wt. 29300 LB TRUCK EXPIRES / /
Net Weight 39660 LB LIC#

QTY.	UNIT	DESCRIPTION	CONTAINER	RATE	EXTENSION	FEE	TOTAL
19.83	TON	B/R-CONTAM SOIL					
1.00		BUD-ENV FEE					

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

MANIFEST: LOAD 7

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE



NET AMOUNT

TENDERED

CHANGE

CHECK NO.

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Genoa

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Riscelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No. Type

11. Total
Quantity12. Unit
Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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

Signature

Month Day Year

Corder Edington

[Signature]

12 5 17

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Duane Bauman

[Signature]

12 5 17

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

[Signature]

12 5 17

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060787	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	10:04	10:26	RIC35	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 2 Gross Wt. 74360 LB
Scale 3 Tare Wt. 29600 LB TRUCK EXPIRES / /
Net Weight 44760 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
22.38	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

MANIFEST: LOAD8

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

8

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Ricelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows Landfill

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total

Quantity

12. Unit

Wt./Vol.

1.

Contaminated Soil

2.

3.

4.

60787

22.38

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

Gordon Edgington

Gordon Edgington

12 5 17

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Jody Stetzel

Jody Stetzel

12 5 17

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

DESIGNATED FACILITY TO GENERATOR

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060794	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	10:09	10:38	RT12	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 66940 LB
Scale 3 Tare Wt. 27900 LB TRUCK EXPIRES / /
Net Weight 39040 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.52	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

MANIFEST: LOAD 9

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE

WW6T1 TO BORDER CONTACT CAROLINA SOFTWARE (910) 709-6767 SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

9

HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
Generator's Name and Mailing Address <i>City of Geneva</i>			Generator's Site Address (if different than mailing address) <i>44 Jackson</i>		
Generator's Phone:					
6. Transporter 1, Company Name <i>Riccelli Trucking</i>			U.S. EPA ID Number		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address <i>Seneca Meadows</i>			U.S. EPA ID Number		
Facility's Phone:					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. <i>Contaminated Soil</i>					
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information					
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/Offor's Printed/Typed Name <i>Genevieve</i>		Signature <i>[Signature]</i>		Month Day Year <i>12 5 17</i>	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name <i>Shy</i>		Signature <i>[Signature]</i>		Month Day Year <i>12 5 17</i>	
Transporter 2 Printed/Typed Name		Signature		Month Day Year	
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
17b. Alternate Facility (or Generator)			Manifest Reference Number: 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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060801	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	10:19	10:41	RT14	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 60980 LB
Scale 3 Tare Wt. 27580 LB TRUCK EXPIRES / /
Net Weight 33400 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
16.70	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

MANIFEST: 10

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

10

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number	
5. Generator's Name and Mailing Address <i>City of Genoa</i>			Generator's Site Address (if different than mailing address) <i>44 Jackson</i>			
6. Transporter 1 Company Name <i>Riccelli Trucking</i>			U.S. EPA ID Number			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <i>Seneca Meadows</i>			U.S. EPA ID Number			
Facility's Phone:						
GENERATOR	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
	1. <i>Contaminated Soil</i>					
	2. <i>Trailer # 60801</i>				<i>16.70</i>	<i>T</i>
	3.					
4.						
13. Special Handling Instructions and Additional Information						
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.						
INT'L	Generator's/Officer's Printed/Typed Name <i>Gordon Edling</i>		Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>17</i>
	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:			
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name <i>THOMAS R. ZORODOWSKI</i>		Signature <i>[Signature]</i>		Month <i>05</i>	Day <i>17</i>
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name		Signature		Month	Day
	17. Discrepancy					
17a. Discrepancy Indication Space		<input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection				
17b. Alternate Facility (or Generator)		Manifest Reference Number: 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 <i>[Signature]</i>		Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>25</i>	Year <i>17</i>

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GHID		WEIGHMASTER	
01	00060838	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	11:02	11:39	RT17	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 60300 LB
Scale 3 Tare Wt. 29320 LB TRUCK EXPIRES / /
Net Weight 30980 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
15.49	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICELLI ENT

ROUTE: 0-NONE
UNITS TO REORDER CONTACT CAROLINA SOFTWARE (910) 700-6767

SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

18

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneseo

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Ricelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060857	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	11:30	11:58	RIC315	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 78740 LB
Scale 3 Tare Wt. 29320 LB TRUCK EXPIRES / /
Net Weight 49420 LB LIC#

QTY.	UNIT	DESCRIPTION	CONTAINER	RATE	EXTENSION	FEE	TOTAL
24.71	TON	B/R-CONTAM SOIL					
1.00		BUD-ENV FEE					

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

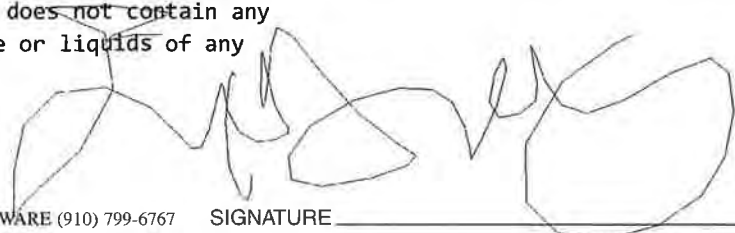
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE



NET AMOUNT

TENDERED

CHANGE

CHECK NO.

13

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator's Name and Mailing Address <i>City of Geneva</i>			Generator's Site Address (if different than mailing address) <i>44 Jackson</i>		
Generator's Phone:					
6. Transporter 1 Company Name <i>Riccelli Trucking</i>			U.S. EPA ID Number		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address <i>Seneca Meadows</i>			U.S. EPA ID Number		
Facility's Phone:					
GENERATOR	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity
			No.	Type	12. Unit Wt./Vol.
	1. <i>Contaminated Soil</i>				
	2.				
	3.				
4.					
13. Special Handling Instructions and Additional Information					
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/Offor's Printed/Typed Name <i>Carson Edgington</i>			Signature <i>[Signature]</i>		Month Day Year <i>12 5 17</i>
TRANSPORTER	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:				
	16. Transporter Acknowledgment of Receipt of Materials				
	Transporter 1 Printed/Typed Name <i>Diane Bauman</i>		Signature <i>[Signature]</i>		Month Day Year <i>12 5 17</i>
	Transporter 2 Printed/Typed Name		Signature		Month Day Year
DESIGNATED FACILITY	17. Discrepancy				
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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 this manifest except as noted in Item 17a					
Printed/Typed Name			Signature <i>[Signature]</i>		Month Day Year <i>12 5 17</i>

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060875	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	11:47	12:16	RIC35	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt.	68220 LB					
Scale 3 Tare Wt.	29160 LB TRUCK EXPIRES / /					
Net Weight	39060 LB LTC# CONTAINER					
QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.53	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.
MANIFEST: 15

HAULER: 8667 RICCELLI ENT
DRIVER: A-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE _____



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

15

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number	
5. Generator's Name and Mailing Address <i>City of Omaha</i>		Generator's Site Address (if different than mailing address) <i>44 Jackson</i>				
Generator's Phone:						
6. Transporter 1 Company Name <i>Riccelli Trucking</i>		U.S. EPA ID Number				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address <i>Seneca Meadows</i>		U.S. EPA ID Number				
Facility's Phone:						
GENERATOR	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
	1. <i>Contaminated Soil</i>					
	2.					
	3.					
	4.					
		<i>60875</i>		<i>19.53</i>		
13. Special Handling Instructions and Additional Information						
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/Officer's Printed/Typed Name <i>Carla Edgington</i>		Signature <i>Carla Edgington</i>		Month <i>12</i>	Day <i>5</i>	Year <i>17</i>
INT'L	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:			
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name <i>Jody Stetzel</i>		Signature <i>Jody Stetzel</i>		Month <i>12</i>	Day <i>5</i> Year <i>17</i>
	Transporter 2 Printed/Typed Name		Signature		Month	Day Year
DESIGNATED FACILITY	17. Discrepancy					
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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 <i>Kimberly Eddy</i>		Signature <i>Kimberly Eddy</i>		Month <i>12</i>	Day <i>5</i>	Year <i>17</i>

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER			
01	00060881	EE	Morgan W			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
12/05/17	12/05/17	11:57	12:19	RT14		
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt. 75700 LB
Scale 3 Tare Wt. 27640 LB TRUCK EXPIRES / /
Net Weight 48060 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
24.03	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

MANIFEST: 16

HAULER: 8667 RICCELLI ENT
DATE: NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

16

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneseo

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total

Quantity

12. Unit

Wt./Vol.

1. Contaminated Soil

2. TICKET # 60881

24.03 T

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

Gordon Edgington

Gordon Edgington

12 05 17

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

THOMAS R. ZORODOWSKI

Thomas R. Zorodowski

12 05 17

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

[Signature]

12 05 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060916	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	12:34	12:53	RT17	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt.

77400 LB

Scale 3 Tare Wt.

29200 LB TRUCK EXPIRES / /

Net Weight
QTY.

48200 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
24.10	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

MANIFEST: LOAD 18

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK *

12

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year
12 17

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

Signature

Month Day Year
12 17

Transporter 2 Printed/Typed Name

Signature

Month Day Year
12 17

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
12 17

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
12 17

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER			
01	00060938	EE	KRISTY			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
12/05/17	12/05/17	13:03	13:22	RIC315		
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt. 85540 LB
Scale 3 Tare Wt. 29320 LB TRUCK EXPIRES / /
Net Weight 56220 LB LIC#

QTY	UNIT	DESCRIPTION	CONTAINER	RATE	EXTENSION	FEE	TOTAL
28.11 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE					

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

MANIFEST: LOAD 19

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW611 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

19

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Riccelli Tracking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

Gordon Edgerly

[Signature]

12 5 17

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

Signature

Month Day Year

Duane Bauman

[Signature]

12 5 17

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

[Signature]

12 5 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060945	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	13:10	13:27	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 71660 LB
Scale 3 Tare Wt. 28020 LB TRUCK EXPIRES / /

Net Weight 43640 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.82	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

MANIFEST: LOAD 20

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

20

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number	
5. Generator's Name and Mailing Address <i>City of Glenview</i>			Generator's Site Address (if different than mailing address) <i>44 Jackson</i>			
Generator's Phone:						
6. Transporter 1 Company Name <i>Riccelli Trucking</i>			U.S. EPA ID Number			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <i>Seren Meadows</i>			U.S. EPA ID Number			
Facility's Phone:						
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
		No.	Type			
1. <i>Contaminated Soil</i>						
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information						
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/Offor's Printed/Typed Name <i>Code Eddington</i>			Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>5</i> Year <i>17</i>
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name			Signature		Month <i>12</i>	Day <i>5</i> Year <i>17</i>
Transporter 2 Printed/Typed Name			Signature		Month	Day Year
17. Discrepancy						
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
17b. Alternate Facility (or Generator)			Manifest Reference Number:		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 <i>12</i>	Day <i>5</i> Year <i>17</i>

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00060953	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	13:25	13:42	RIC35	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 74380 LB
Scale 3 Tare Wt. 31500 LB TRUCK EXPIRES / /
Net Weight 42880 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.44	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

MANIFEST: LOAD 21

HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE _____



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of		3. Emergency Response Phone		4. Waste Tracking Number	
5. Generator's Name and Mailing Address <i>City of Geneva</i>						Generator's Site Address (if different than mailing address) <i>44 Jackson</i>			
Generator's Phone:									
6. Transporter 1 Company Name <i>Riccelli Trucking</i>						U.S. EPA ID Number			
7. Transporter 2 Company Name						U.S. EPA ID Number			
8. Designated Facility Name and Site Address <i>Seneca Meadows</i>						U.S. EPA ID Number			
Facility's Phone:									
9. Waste Shipping Name and Description						10. Containers		11. Total Quantity	12. Unit Wt./Vol.
						No.	Type		
1. <i>Contaminated Soil</i>									
2.									
3.									
4. <i>60953</i>								<i>21.44</i>	
13. Special Handling Instructions and Additional Information									
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 <i>Gordon Edgington</i>						Signature <i>Gordon Edgington</i>		Month Day Year <i>12 5 17</i>	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:									
16. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name <i>Gody Stetzel</i>						Signature <i>Gody Stetzel</i>		Month Day Year <i>12 5 17</i>	
Transporter 2 Printed/Typed Name						Signature		Month Day Year	
17. Discrepancy									
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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 <i>[Signature]</i>		Month Day Year <i>12 5 17</i>	

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00060955	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	13:28	13:50	RT14	
REFERENCE		ORIGIN			
17-138		ONTARIO			

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.92	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

GENERATOR	NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number			
	5. Generator's Name and Mailing Address <i>City of Geneva</i>				Generator's Site Address (if different than mailing address) <i>44 Jackson</i>				
	Generator's Phone:								
	6. Transporter 1 Company Name <i>Riceelli Trucking</i>				U.S. EPA ID Number				
	7. Transporter 2 Company Name				U.S. EPA ID Number				
	8. Designated Facility Name and Site Address <i>Seneca Meadows</i>				U.S. EPA ID Number				
	Facility's Phone:								
	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.			
			No.	Type					
	1. <i>Contaminated Soil</i>								
2. <i>TICKET# 60955</i>				<i>19.92</i>	<i>T</i>				
3.									
4.									
13. Special Handling Instructions and Additional Information									
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.									
INT'L	Generator's/Officer's Printed/Typed Name <i>Dave Meixell for Gordon Edlington</i>				Signature <i>Dave Meixell</i>		Month <i>12</i>	Day <i>5</i>	Year <i>17</i>
	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> 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	Transporter 1 Printed/Typed Name <i>THOMAS R ZORODOWSKI</i>				Signature <i>Thomas R. Zorodowski</i>		Month <i>12</i>	Day <i>05</i>	Year <i>17</i>
	Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
DESIGNATED FACILITY	17. Discrepancy								
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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 <i>[Signature]</i>				Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>05</i>	Year <i>17</i>	

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE		TICKET		UNIT		EXPIRATION DATE					
01		00060967		EE		Morgan W					
DATE IN		DATE OUT		TIME IN		TIME OUT		VEHICLE		ROLL OFF	
12/05/17		12/05/17		13:49		14:03		RT17			
REFERENCE				ORIGIN							
17-138				ONTARIO							

Scale 1 Gross Wt. 69300 LB
Scale 3 Tare Wt. 29300 LB TRUCK EXPIRES / /
Net Weight 40000 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.00 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

MANIFEST: 24

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

UNIQUE TO REORDER CONTACT CAROLINA SOFTWARE (810) 700-6767 SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of 6

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year
12 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year
12 17

Transporter 2 Printed/Typed Name

Signature

Month Day Year
12 17

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
12 17

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
12 17

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

Scale 1 Gross Wt.	71820 LB				
Scale 3 Tare Wt.	28060 LB	TRUCK	EXPIRES	/	/
Net Weight	43760 LB	LIC#	CONTAINER		

SITE	TICKET	GRID		WEIGHMASTER	
01	00060998	EE	Morgan W		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	14:25	14:46	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.88	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

MANIFEST: LOAD 25

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00061020	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	15:03	15:25	RT14	
REFERENCE		ORIGIN			
17-138		ONTARIO			

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.72	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

T. J. Z.

CHECK NO.

SIGNATURE _____

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Krcell's Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1.

Contaminated Soil

2.

Ticket # 61020

2672

T

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

Dave Meixell for Gordon Eddington

Dave Meixell

12 17

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

THOMAS R. ZORODOWSKI

Thomas R. Zorodowski

12 05 17

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061023	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/05/17	12/05/17	15:05	15:21	RT17	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 69780 LB
Scale 3 Tare Wt. 29760 LB TRUCK EXPIRES / /
Net Weight 40020 LB LIC# CONTAINER

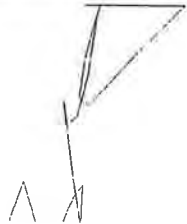
QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.01	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

MANIFEST: 28

HAULER: 8667 RICCELLI ENT
POLITE: A-NONE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



SIGNATURE

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Riccelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year
12 5 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year
12 5 17

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
12 5 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of		3. Emergency Response Phone		4. Waste Tracking Number	
		5. Generator's Name and Mailing Address <div style="font-size: 1.2em; font-family: cursive;">City of Geneva</div>		Generator's Site Address (if different than mailing address) <div style="font-size: 1.2em; font-family: cursive;">44 Jackson</div>					
Generator's Phone:		6. Transporter 1 Company Name <div style="font-size: 1.2em; font-family: cursive;">Riccelli Trucking</div>				U.S. EPA ID Number			
		7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address <div style="font-size: 1.2em; font-family: cursive;">Geneva Meadows</div>		U.S. EPA ID Number							
Facility's Phone:									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.				
		No.	Type						
1. <div style="font-size: 1.5em; font-family: cursive;">Contaminated Soil</div>									
2. <div style="font-size: 1.2em; font-family: cursive;">RT-14 TICKET # 61195</div>				17.30	T				
3.									
4.									
13. Special Handling Instructions and Additional Information									
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 <div style="font-size: 1.2em; font-family: cursive;">Gordon Edgington</div>		Signature <div style="font-size: 1.2em; font-family: cursive;">[Signature]</div>			Month Day Year <div style="font-size: 1.2em; font-family: cursive;">12 6 17</div>				
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:							
Transporter Signature (for exports only):									
16. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name <div style="font-size: 1.2em; font-family: cursive;">THOMAS R. ZORODOWSKI</div>		Signature <div style="font-size: 1.2em; font-family: cursive;">[Signature]</div>			Month Day Year <div style="font-size: 1.2em; font-family: cursive;">12 06 17</div>				
Transporter 2 Printed/Typed Name		Signature			Month Day Year				
17. Discrepancy									
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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 <div style="font-size: 1.2em; font-family: cursive;">[Signature]</div>		Signature <div style="font-size: 1.2em; font-family: cursive;">[Signature]</div>			Month Day Year <div style="font-size: 1.2em; font-family: cursive;">12 6 17</div>				

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061196	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	08:23	08:41	RT12	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 63640 LB
Scale 3 Tare Wt. 28000 LB TRUCK EXPIRES / /
Net Weight 35640 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.82 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE 

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

9. Waste Shipping Name and Description

No.

Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061210	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	08:44	09:26	RT10	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 63780 LB
Scale 3 Tare Wt. 30980 LB TRUCK EXPIRES / /
Net Weight 32800 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
16.40 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE

Rv h

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

HAZARDOUS MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

Seneca Meadows Landfill

1786 Salcam Rd
Waterloo, NY 13165

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

INBOUND CHARGE

01 00061243 EE

Morgan W

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	R
12/06/17	12/06/17	09:30	10:04	RT33	
REFERENCE				ORIGIN	
17-138				ONTARIO	

74100 LB
Scale 1 Gross Wt.
37140 LB TRUCK EXPIRES / /
Scale 3 Tare Wt.
36960 LB LIC# CONTAINER

Net Weight
QTY.

DESCRIPTION

RATE

EXTENSION

FEE

TC

UNIT
TON

B/R-CONTAM SOIL

BUD-ENV FEE

18.48

1.00

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT

Q-NUMERIC

VW671 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

d above by the proper shipping name, and are classified, packaged,
governmental regulations.

Signature: *[Signature]* Month Day Year 12/6/17
xlt: J.S.:

Signature: *[Signature]* Month Day Year 12/6/17
Month Day Year

☐ Partial Rejection

☐ Full Rejection

DESIGNATED FACILITY

17b. Alternate Facility (or Generator)

Manifest Reference Number:

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 12/11/17

WASTE MANIFEST

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Gilmora

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No. Type

Quantity

Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

Cord Edington

[Signature]

12/6/17

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Tim Keenan

[Signature]

12/6/17

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

4. Waste Tracking Number

ent than mailing address)

U.S. EPA ID Number

U.S. EPA ID Number

U.S. EPA ID Number

11. Total
Quantity12. Unit
Wt./Vol.ove by the proper shipping name, and are classified, packaged,
regulatory regulations.

Month Day Year

12/6/17

Month Day Year

12/6/17

Month Day Year

☐ Partial Rejection☐ Full Rejection

U.S. EPA ID Number

Month Day Year

Month Day Year

Seneca Meadows Landfill

1786 Salcam Rd

Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA

47 CASTLE STREET

GENEVA NY 14456

17-138

ONTARIO

Scale 1 Gross Wt.

Scale 3 Tare Wt.

Net Weight

75780 LB

36380 LB

39400 LB

TRUCK

CONTAINER

DESCRIPTION

RATE

EXTENSION

FEE

TOTAL

19.70

1.00

TON

B/R-CONTAM SOIL
BUD-ENV FEE

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
kind.

8667 RICCELLI ENT

A-MONIE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

17b. Alternate Facility (or Generator)

Manifest Reference Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

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

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Ricelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seren Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

JOHN N. STUPKE

Signature

Month Day Year

Transporter 2 Printed/Typed Name

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER		
01	00061259	EE		KRISTY		
DATE IN		DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17		12/06/17	09:49	10:27	RT14	
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt. 64640 LB
Scale 3 Tare Wt. 27300 LB TRUCK EXPIRES / /
Net Weight 37340 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.67 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE
WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

 / 
SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
C ^L

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1. Contaminated Soil

2. RT-14 TICKET # 61259

18.67 T

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061254	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	09:40	10:24	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 67460 LB
Scale 3 Tare Wt. 27780 LB TRUCK EXPIRES / /
Net Weight 39680 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.84	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE

Signature

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061374	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	12:08	12:32	RT10	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 74960 LB
Scale 3 Tare Wt. 29880 LB TRUCK EXPIRES / /
Net Weight 45080 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
22.54 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WAVATI TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE



NET AMOUNT

TENDERED

CHANGE

CHECK NO.

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Riccelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Season Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offendor's Printed/Typed Name

Signature

Month Day Year

Gordon Edington

Gordon Edington

12 6 17

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Riccelli Trucking

Riccelli Trucking

12 6 17

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

Gordon Edington

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00061295	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	10:27	10:48	RT10	
REFERENCE		ORIGIN			
17-138		ONTARIO			

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.89	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE North

HAZARDOUS & MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No. Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

12 16 17

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061302	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	10:46	11:03	RT13	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 67280 LB
Scale 3 Tare Wt. 28160 LB TRUCK EXPIRES / /
Net Weight 39120 LB LIC# CONTAINER

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.56	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE_____

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year
12 6 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year
12 6 17

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
12 6 17

4. Waste Tracking Number			
(different than mailing address)			
Tackson			
U.S. EPA ID Number			
U.S. EPA ID Number			
U.S. EPA ID Number			
	11. Total Quantity	12. Unit Wt./Vol.	
ie			

INBOUND CHARGE

UNIT	36500 LB TRUCK	EXPIRES	/ /
	33780 LB	LIC#	CONTAINER DESCRIPTION

16.89	TON	B/R-CONTAM SOIL
1.00		BUD-ENV FEE

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE
VWV6T1 TO REORDER CONTACT CAROLINA SOF

SIGNATURE

above by the proper shipping name, and are classified, packaged,
governmental regulations.

Month Day Year
12 6 17

xlit: _____
J.S.: _____

07	Month	Day	Year
	12	6	17

Month	Day	Year

☐ Partial Rejection☐ Full Rejection

nber:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

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 _____

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Riccelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Geneva Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

Condon Edington

[Signature]

12 6 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

JOHN R. STUPKE

[Signature]

12 6 17

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

[Signature]

[Signature]

12 6 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

4. Waste Tracking Number
arent than mailing address)
H5011
U.S. EPA ID Number
U.S. EPA ID Number
U.S. EPA ID Number
11. Total Quantity
12. Unit Wt./Vol.
ve by the proper shipping name, and are classified, packaged, imental regulations.
Month Day Year
12 6 17
Month Day Year
12 6 17
Month Day Year
Partial Rejection
Full Rejection
Manifest Reference Number:
U.S. EPA ID Number
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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165
INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER
01	00061329	EE	KRISTY
DATE IN	DATE OUT	TIME IN	TIME OUT
12/06/17	12/06/17	11:11	11:31
REFERENCE	ORIGIN		
17-138	ONTARIO		

Scale 1 Gross Wt.	72080 LB	TRUCK	EXPIRES	/
Scale 3 Tare Wt.	37160 LB			
Net Weight	34920 LB	LIC#	CONTAINER DESCRIPTION	

17.46 TON
1.00 B/R-CONTAM SOIL
BUD-ENV FEE

RATE
EXTENSION
FEE
TOTAL

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE
UN/MT: TO PROBABLY CONTAIN A DOT IN A SOFTWARE (010) 700 6767

SIGNATURE
12/6/17

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

DESIGNATED FACILITY

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

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

**HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Homer

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Ricelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. *Contaminated Soil*

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

Jordan Hollingsworth

[Signature]

12/6/17

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

Signature

Month Day Year

Tim Reeman

[Signature]

12/8/17

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

[Signature]

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061332	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	11:19	11:37	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 64820 LB
Scale 3 Tare Wt. 27860 LB TRUCK EXPIRES / /
Net Weight 36960 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.48	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE
WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No. Type

Quantity

Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

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

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061345	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	11:33	11:50	RT14	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 63620 LB
Scale 3 Tare Wt. 27300 LB TRUCK EXPIRES / /
Net Weight 36320 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.16	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE
WW6T1 TO REORDER CONTACT CA

SIGNATURE

TICKET

00061345

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

TICKET # 61345

RT-14

18.16 T

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

Gordon Edington

And P. Edg

12 6 17

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

THOMAS R. ZORODOWSKI

Thomas R. Zorodowski

12 06 17

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

Salcam Rd
Waterloo, NY 13165
008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

INBOUND CHARGE

SITE	TICKET	GRID	WEIGHMASTER		
01	00061347	EE	KRISTY		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	11:36	11:52	RT16	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 69500 LB
Scale 3 Tare Wt. 29260 LB TRUCK EXPIRES / /
Net Weight 40240 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.12 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE _____

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

City of Geneva

Generator's Phone:

Generator's Site Address (if different than mailing address)

44 Jackson

6. Transporter 1 Company Name

Riccelli Trucking

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Sensa Meadows

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.	Type		
1.	Contaminated Soil		
2.			
3.			
4.			

13. Special Handling Instructions and Additional Information

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

Signature

Month

Day

Year

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month

Day

Year

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

WEIGHMASTER

SITE	TICKET	GRID
01	00061384	EE
DATE IN	DATE OUT	TIME IN
12/06/17	12/06/17	12:28
TIME OUT	VEHICLE	ROLL OFF
12:51	RT26	

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

17-138 ONTARIO

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

68020 LB
36460 LB TRUCK EXPIRES / /
31560 LB LIC# CONTAINER DESCRIPTION

UNIT TON

Scale 1 Gross Wt.
Scale 3 Tare Wt.
Net Weight

15.78
1.00

B/R-CONTAM SOIL
BUD-ENV FEE

DESIGNATED FACILITY

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

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

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	12:28	12:51	RT26	

REFERENCE ORIGIN

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Manifest Reference Number:

U.S. EPA ID Number

Month Day Year

Month Day Year

Month Day Year

Month Day Year

4. Waste Tracking Number

than mailing address)

U.S. EPA ID Number

U.S. EPA ID Number

U.S. EPA ID Number

11. Total Quantity	12. Unit Wt./Vol.

by the proper shipping name, and are classified, packaged, mental regulations.

Month Day Year

Month Day Year

Month Day Year

Month Day Year

Partial Rejection Full Rejection

GENERATOR'S/SHIPPER'S INITIAL COPY

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

GENERATOR'S/SHIPPER'S INITIAL COPY

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Riccelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Geneva Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No. Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Tim Freeman

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

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00061402	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	12:54	13:44	RT14	
REFERENCE		ORIGIN			
17-138		ONTARIO			

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.20	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number	
5. Generator's Name and Mailing Address <i>City of Geneva</i>			Generator's Site Address (if different than mailing address) <i>44 Jackson</i>			
6. Transporter 1 Company Name <i>Riccelli Trucking</i>			U.S. EPA ID Number			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <i>Seneca Meadows</i>			U.S. EPA ID Number			
Facility's Phone:						
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
		No.	Type			
1. <i>Contaminated Soil</i>						
2. <i>Ticket # 61402</i>		<i>RT-14</i>		<i>1820</i>	<i>T</i>	
3.						
4.						
13. Special Handling Instructions and Additional Information						
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/Offoror's Printed/Typed Name <i>Golden Eborgh</i>		Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>6</i>	Year <i>17</i>
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:				
Transporter Signature (for exports only):						
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name <i>THOMAS R. ZORODOWSKI</i>		Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>06</i>	Year <i>17</i>
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year
17. Discrepancy						
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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 <i>[Signature]</i>		Month <i>12</i>	Day <i>06</i>	Year <i>17</i>

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061375	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	12:11	12:30	RT13	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 69180 LB
Scale 3 Tare Wt. 28120 LB TRUCK EXPIRES / /
Net Weight 41060 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.53	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Excelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1. *Contaminated Soil*

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

Gordon Edlington

[Signature]

12 6 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Chris Van Patten

[Signature]

12 6 17

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

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00061399	EE		KRISTY	
DATE IN		DATE OUT		TIME IN	TIME OUT
VEHICLE		ROLL OFF			
12/06/17	12/06/17	12:44	13:03	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Net Weight QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.99	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Geneva Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year
12 6 17

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year
12 6 17

Transporter 2 Printed/Typed Name

Signature

Month Day Year
12 6 17

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
12 6 17

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
12 6 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER		
01	00061421	EE		Morgan W		
DATE IN		DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17		12/06/17	13:28	14:01	RT10	
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt. 73420 LB
Scale 3 Tare Wt. 29800 LB TRUCK EXPIRES / /
Net Weight 43620 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.81 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE

Riccelli

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offoror's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061433	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	13:54	14:09	RT13	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 66000 LB
Scale 3 Tare Wt. 28020 LB TRUCK EXPIRES / /
Net Weight 37980 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.99	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
ROUTE: NONE

AW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

3022

GENERATOR	NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of		3. Emergency Response Phone		4. Waste Tracking Number			
	5. Generator's Name and Mailing Address <i>City of Geneva</i>						Generator's Site Address (if different than mailing address) <i>44 Jackson</i>					
	Generator's Phone:											
	6. Transporter 1 Company Name <i>Riccelli Trucking</i>						U.S. EPA ID Number					
	7. Transporter 2 Company Name						U.S. EPA ID Number					
	8. Designated Facility Name and Site Address <i>Seneca Meadows</i>						U.S. EPA ID Number					
	Facility's Phone:											
	9. Waste Shipping Name and Description						10. Containers		11. Total Quantity	12. Unit Wt./Vol.		
							No.	Type				
		1. <i>Contaminated Soil</i>										
	2.											
	3.											
	4.											
	13. Special Handling Instructions and Additional Information											
	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.											
TRANSPORTER	Generator's/Offeror's Printed/Typed Name <i>Dave Meixell for Gordon Eddington</i>						Signature <i>Dave Meixell</i>		Month <i>12</i>	Day <i></i>	Year <i>17</i>	
	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> 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 <i>Chris Van Patton</i>						Signature <i>Chris Van Patton</i>		Month <i>12</i>	Day <i>6</i>	Year <i>17</i>	
	Transporter 2 Printed/Typed Name						Signature		Month	Day	Year	
	DESIGNATED FACILITY	17. Discrepancy										
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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		

DESIGNATED FACILITY ↓	17b. Alternate Facility (or General)
	Facility's Phone:
	17c. Signature of Alternate Facility
	18. Designated Facility Owner or
	Printed/Typed Name

Operator: Certification of receipt of materials covered by the manifest

Signature

GENERATOR'S/SHIPPER'S INITIAL COPY

U.S. MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

GENERATOR'S/SHIPPER'S INITIAL COPY

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1. Containers 211

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

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

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00061449	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	14:19	14:51	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 64920 LB
Scale 3 Tare Wt. 28020 LB TRUCK EXPIRES / /
Net Weight 36900 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.45	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE

4

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

U.S.
MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No. Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

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

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity

☐ Type

☐ Residue

☐ Partial Rejection

☐ Full Rejection

17b. Alternate Facility (or Generator)

Manifest Reference Number:

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061467	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	14:57	15:14	RT14	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 68100 LB
Scale 3 Tare Wt. 27400 LB TRUCK EXPIRES / /
Net Weight 40700 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.35	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE _____



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of		3. Emergency Response Phone		4. Waste Tracking Number		
		5. Generator's Name and Mailing Address <i>City of Geneva</i>		Generator's Site Address (if different than mailing address) <i>44 Jackson</i>						
Generator's Phone:										
6. Transporter 1 Company Name <i>Riccelli Trucking</i>		U.S. EPA ID Number								
7. Transporter 2 Company Name		U.S. EPA ID Number								
8. Designated Facility Name and Site Address <i>Seneca Meadows</i>		U.S. EPA ID Number								
Facility's Phone:										
GENERATOR	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.				
			No.	Type						
	1.	<i>Contaminated Soil</i>								
	2.	<i>TICKET # 61467</i>		<i>RT-14</i>		<i>20.35 T</i>				
	3.									
4.										
13. Special Handling Instructions and Additional Information										
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/Offor's Printed/Typed Name		Signature				Month Day Year				
<i>Dave Meixell For Gordon Eddington</i>		<i>Dave Meixell</i>				<i>12 17</i>				
INT'L	15. International Shipments		<input type="checkbox"/> Import to U.S.		<input type="checkbox"/> 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		Signature		Month Day Year					
	Transporter 1 Printed/Typed Name <i>THOMAS R. ZORODOWSKI</i>		<i>Thomas R. Zorodowski</i>		<i>12 06 17</i>					
Transporter 2 Printed/Typed Name		Signature		Month Day Year						
DESIGNATED FACILITY	17. Discrepancy									
	17a. Discrepancy Indication Space		<input type="checkbox"/> Quantity		<input type="checkbox"/> Type		<input type="checkbox"/> Residue		<input type="checkbox"/> Partial Rejection	
							<input type="checkbox"/> 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				
						<i>12 06 17</i>				

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00061469	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	15:02	15:17	RT10	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt.	71580 LB				
Scale 3 Tare Wt.	29780 LB	TRUCK	EXPIRES	/	/
Net Weight	41800 LB	LIC#	CONTAINER		

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.90	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
ROUTE: 11029-DAILY COVER-LANDETLL OPS

SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO. _____

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total

Quantity

12. Unit

Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month

Day

Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month

Day

Year

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

SITE	TICKET	GRID		WEIGHMASTER	
01	00061471	EE		Morgan W	
DATE IN :	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/06/17	12/06/17	15:08	15:20	RT13	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Landfill
 100am Rd
 100, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
 47 CASTLE STREET
 GENEVA NY 14456

Scale 1 Gross Wt. 68340 LB
 Scale 3 Tare Wt. 27700 LB TRUCK EXPIRES / /
 Net Weight 40640 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.32 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

MANIFEST: LOAD 28

HAULER: 8667 RICCELLI ENT
 ROUTE: A-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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

Signature

Month

Day

Year

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

Signature

Month

Day

Year

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

SITE	TICKET	GRID	WEIGHMASTER	
01	00061482	EE	Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE
12/06/17	12/06/17	15:23	15:47	RT26
REFERENCE			ORIGIN	
17-138			ONTARIO	

ieca Meadows Landfill
 36 Salcam Rd
 erloo, NY 13165

INBOUND CHARGE

027 CITY OF GENEVA
 47 CASTLE STREET
 GENEVA NY 14456

le 1 Gross Wt. 70160 LB
 le 3 Tare Wt. 36560 LB TRUCK EXPIRES / /
 Weight 33600 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
16.80	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

rating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

s is to certify that this load does not contain any
 arduous materials, medical waste or liquids of any
 e.

IFEST: LOAD 29

LER: 8667 RICCELLI ENT

TE: NONE

TI TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments ☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity☐ Type☐ Residue☐ Partial Rejection☐ Full Rejection

17b. Alternate Facility (or Generator)

Manifest Reference Number:

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'S/SHIPPER'S INITIAL COPY

4. Waste Tracking Number		
ent than mailing address)		
Tackson		
U.S. EPA ID Number		
U.S. EPA ID Number		
U.S. EPA ID Number		
11. Total Quantity	12. Unit Wt./Vol.	
by the proper shipping name, and are classified, packaged, ental regulations.		
Month	Day	Year
11	26	17
Month	Day	Year
11	26	17
Month	Day	Year
<input type="checkbox"/> Partial Rejection		
<input type="checkbox"/> Full Rejection		

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER
01	00061488	EE	Morgan W
DATE IN	DATE OUT	TIME IN	TIME OUT
12/06/17	12/06/17	15:36	15:59
REFERENCE		ORIGIN	
17-138		ONTARIO	

Scale 1 Gross Wt.	75900 LB	TRUCK	EXPIRES	/
Scale 3 Tare Wt.	37220 LB	LIC#	CONTAINER	/
Net Weight QTY.	38680 LB	DESCRIPTION		

19.34 TON B/R-CONTAM SOIL
1.00 BUD-ENV FEE

RATE EXTENSION FEE TOTAL

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

MANIFEST: LOAD 30

HAULER: 8667 RICCELLI ENT
P/LTIC. 0. NAME

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

[Handwritten Signature]

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

[Handwritten Signature: Kristy Eddington]

Signature

Month Day Year

12 26 17

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year
12 6 17

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year
12 6 17

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
12 6 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER		
01	00061662	EE		Morgan W		
DATE IN		DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17		12/07/17	08:37	09:02	RT17	
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt. 63620 LB
Scale 3 Tare Wt. 29440 LB TRUCK EXPIRES / /
Net Weight 34180 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.09 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
DATE: 0-11-11

WWW.TL TO REORDER CONTACT CAROLINA SOFTWARE (919) 700-6177 SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

EST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

INBOUND CHARGE

SITE		TICKET		GRID		WEIGHMASTER	
01		00061648		EE		Morgan W	
DATE IN		DATE OUT		TIME IN		TIME OUT	
VEHICLE		ROLL OFF					
12/07/17		12/07/17		08:17		08:47	
RT14							
REFERENCE				ORIGIN			
17-138				ONTARIO			

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.75	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.




CHECK NO.

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seven Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1. Contaminated Soil

2. TRK# 61648

RT-14

18.75 T

3.

4.

13. Special Handling Instructions and Additional Information

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/Offendor's Printed/Typed Name

Signature

Month Day Year

Gordon Edgington

Gordon Edgington

12 17

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

THOMAS R. ZORODOWSKI

THOMAS R. ZORODOWSKI

12 07 17

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

Signature

12 27 17

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER		
01	00061652	EE		Morgan W		
DATE IN		DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17		12/07/17	08:22	08:48	RT12	
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt. 66660 LB
Scale 3 Tare Wt. 27940 LB TRUCK EXPIRES / /
Net Weight 38720 LB LTC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.36 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 700.6767 SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Glenview

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Ricelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year
12 7 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year
12 7 17

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
12 7 17

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

Scale 1 Gross Wt.

62140 LB

Scale 3 Tare Wt.

28280 LB TRUCK

Net Weight

33860 LB LIC# CONTAINER

EXPIRES / /

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
16.93	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE

VW6TI TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

SITE	TICKET	GRID		WEIGHMASTER	
01	00061672	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	08:46	09:05	RT11	
REFERENCE		ORIGIN			
17-138		ONTARIO			

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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:

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE		TICKET		GRID		WEIGHMASTER	
01		00061681		EE		Morgan W	
DATE IN		DATE OUT		TIME IN		TIME OUT	
12/07/17		12/07/17		08:54		09:19	
REFERENCE		VEHICLE		ROLL OFF			
17-138		RT10					
ORIGIN							
17-138				ONTARIO			

Scale 1 Gross Wt. 67440 LB
Scale 3 Tare Wt. 29720 LB TRUCK EXPIRES / /
Net Weight 37720 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.86	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE

WW6TI TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

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

Signature

Month Day Year

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:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

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

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00061692	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	09:04	09:17	RT13	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt.	64100 LB				
Scale 3 Tare Wt.	28120 LB	TRUCK	EXPIRES	/	/
Net Weight	35980 LB	LIC#	CONTAINER		

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.99	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

NET AMOUNT

TENDERED

CHANGE

CHECK NO. _____

HAULER: 8667 RICCELLI ENT
ROUTE: 0 - NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 700-6767 SIGNATURE _____

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

1. Generator ID Number		2. Page 1 of		3. Emergency Response Phone		4. Waste Tracking Number	
5. Generator's Name and Mailing Address <i>City of Geneva</i>				Generator's Site Address (if different than mailing address) <i>44 Jackson</i>			
6. Generator's Phone:				U.S. EPA ID Number			
7. Transporter 1 Company Name <i>Riccelli Trucking</i>				U.S. EPA ID Number			
8. Designated Facility Name and Site Address <i>Seneca Meadows</i>				U.S. EPA ID Number			
9. Waste Shipping Name and Description				10. Containers		11. Total Quantity	12. Unit Wt./Vol.
				No.	Type		
1. <i>Contaminated Soil</i>							
2.							
3.							
4.							
13. Special Handling Instructions and Additional Information							
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/Offor's Printed/Typed Name <i>William Edgington</i>				Signature <i>And Pado</i>		Month <i>12</i>	Day <i>1</i>
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.				Port of entry/exit: Date leaving U.S.:			
16. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <i>Chris VanPatten</i>				Signature <i>Chris VanPatten</i>		Month <i>12</i>	Day <i>7</i>
Transporter 2 Printed/Typed Name				Signature		Month	Day
17. Discrepancy							
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
17b. Alternate Facility (or Generator)				Manifest Reference Number: 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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061721	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	09:48	10:19	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 66620 LB
Scale 3 Tare Wt. 28140 LB TRUCK EXPIRES / /
Net Weight 38480 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.24 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE

WW6TI TO REORDER CONTACT CAROLINA SOFTWARE (910) 790 6767 SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

INTL

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER			
01	00061737	EE	Morgan W			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
12/07/17	12/07/17	10:00	10:20	RT14		
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt. 70120 LB
Scale 3 Tare Wt. 27380 LB TRUCK EXPIRES / /
Net Weight 42740 LB LTC# CONTATNER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.37 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
DATE: 2-10-18

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE _____



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Riccielli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1. Contaminated Soil

2. TICKET # 61737

RT-14

21.37 T

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

Gordon Eddington

[Signature]

12 7 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

THOMAS R. ZOROBOWSKI

[Signature]

12 07 17

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

[Signature]

12 7 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061754	EE	Morgan W		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	10:11	10:33	RT17	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 72680 LB
Scale 3 Tare Wt. 29560 LB TRUCK EXPIRES / /
Net Weight 43120 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.56	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year
12 7 17

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year
12 11 17

Transporter 2 Printed/Typed Name

Signature

Month Day Year
12 11 17

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity☐ Type☐ Residue☐ Partial Rejection☐ Full Rejection

17b. Alternate Facility (or Generator)

Manifest Reference Number:

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year
12 11 17

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
12 11 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

Scale 1 Gross Wt. 60780 LB
Scale 3 Tare Wt. 28360 LB TRUCK EXPIRES / /
Net Weight 32420 LB LIC# CONTAINER

SITE		TICKET		GRID		WEIGHMASTER	
01		00061759		EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE		ROLL OFF	
12/07/17	12/07/17	10:19	10:34	RT11			
REFERENCE				ORIGIN			
17-138				ONTARIO			

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
16.21	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

8667 RICCELLI ENT

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offeree's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061768	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	10:33	10:57	RT13	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 65300 LB
Scale 3 Tare Wt. 28180 LB TRUCK EXPIRES / /
Net Weight 37120 LB LIC# CONTAINER

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.56 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6TI TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year
14 7 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year
12 7 17

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
12 7 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061769	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	10:34	10:57	RT10	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 66420 LB
Scale 3 Tare Wt. 30020 LB TRUCK EXPIRES / /
Net Weight 36400 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.20	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE
WW6TI TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

↓

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061791	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	11:11	11:38	RT12	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 69500 LB
Scale 3 Tare Wt. 27960 LB TRUCK EXPIRES / /
Net Weight 41540 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.77 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE

51

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

HAZARDOUS MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneseo

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Riccelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No. Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

Gordon Eddington

Gordon Eddington

12 7 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Shy Stanton

Shy Stanton

12 7 17

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

[Signature]

12 7 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER		
01	00061804	EE	Morgan W		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	11:28	11:44	RT14	
REFERENCE			ORIGIN		
17-138			ONTARIO		

Scale 1 Gross Wt. 68460 LB
Scale 3 Tare Wt. 27580 LB TRUCK EXPIRES / /
Net Weight 40880 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.44	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
POLITE - NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE _____



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Genoa

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Ricelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1. Contaminated Soil

2. Ticket # 61804

RT-14

20.44 T

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

John Edington

[Signature]

12 7 17

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

THOMAS R. ZORODOWSKI

[Signature]

12 07 17

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

Kristy Edington

[Signature]

12 12 17

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER		
01	00061807	EE		Morgan W		
DATE IN		DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17		12/07/17	11:31	11:48	RT17	
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt. 63020 LB
Scale 3 Tare Wt. 29520 LB TRUCK EXPIRES / /
Net Weight 33500 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
16.75 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
DATE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 700-6767 SIGNATURE



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Geneva

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Riccelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offeree's Printed/Typed Name

Signature

Month Day Year

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

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

Scale 1 Gross Wt.
Scale 3 Tare Wt.

68280 LB
28360 LB TRUCK EXPIRES / /
39920 LB LIC# CONTAINER

Net Weight

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.96	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
+vne.

SITE	TICKET	GRID		WEIGHMASTER	
01	00061808	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	11:39	11:54	RT11	
REFERENCE		ORIGIN			
17-138		ONTARIO			

2185X7

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061815	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	11:49	12:16	RT10	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 65920 LB
Scale 3 Tare Wt. 29800 LB TRUCK EXPIRES / /
Net Weight 36120 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.06 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: A-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 700 6767 SIGNATURE

[Handwritten Signature]

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAZARDOUS MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Calaveras

44 Jackson

Generator's Phone:

U.S. EPA ID Number

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Serenia Meadows

Facility's Phone:

10. Containers

11. Total

12. Unit

9. Waste Shipping Name and Description

No.

Type

Quantity

Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

Gordon Edgington

John P. Edgington

12 7 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Robert K. K...

Robert K. K...

12 7 17

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:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

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

John P. Edgington

GENERATOR'S/SHIPPER'S INITIAL COPY

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

INBOUND CHARGE

SITE		TICKET		GRID		VEHICLE IDENT	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF		
01	00061829	EE	Morgan W				
12/07/17	12/07/17	12:01	12:15	RT13			
REFERENCE		ORIGIN					
17-138		ONTARIO					

Scale 1 Gross Wt.	63480 LB				
Scale 3 Tare Wt.	27760 LB	TRUCK	EXPIRES	/	/
Net Weight	35720 LB	LIC#	CONTAINER		

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.86	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0 - NONE

NAME/TEL TO REORDER CONTACT CAROLINA SOFTWARE (910) 700-6767 SIGNATURE _____

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER			
01	00061871	EE	KRISTY			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
12/07/17	12/07/17	12:57	13:18	RT14		
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt. 65980 LB
Scale 3 Tare Wt. 27260 LB TRUCK EXPIRES / /
Net Weight 38720 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.36	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

NET AMOUNT
TENDERED

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE
WW6TI TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767


SIGNATURE _____

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1.

Contaminated Soil

2.

TICKET # 61871

RT-14

19.36 T

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061863	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	12:48	13:17	RT12	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 67260 LB
Scale 3 Tare Wt. 27760 LB TRUCK EXPIRES / /
Net Weight 39500 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
19.75 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6267

SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

HAZARDOUS MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Officer's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

INBOUND CHARGE

SITE	TICKET	GRID	WEIGHMASTER			
01	00061877	EE	KRISTY			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
12/07/17	12/07/17	13:04	13:25	RT11		
REFERENCE			ORIGIN			
17-138			ONTARIO			

Scale 1 Gross Wt.
Scale 3 Tare Wt.

68660 LB

28140 LB

TRUCK

EXPIRES

/ /

Net Weight

QTY.

UNIT

40520 LB

LIC#

CONTAINER

DESCRIPTION

20.26
1.00

TON

B/R-CONTAM SOIL
BUD-ENV FEE

RATE

EXTENSION

FEE

TOTAL

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

AULER: 8667 RICCELLI ENT

DATE: 0-NONE

6671 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE

Pat Riccelli

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity☐ Type☐ Residue☐ Partial Rejection☐ Full Rejection

17b. Alternate Facility (or Generator)

Manifest Reference Number:

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

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
01	00061880	EE	KRISTY		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	13:06	13:26	RT17	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt.	71320 LB			
Scale 3 Tare Wt.	29400 LB	TRUCK	EXPIRES	/ /
Net Weight	41920 LB	LIC#	CONTAINER	

Net Weight QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.96	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

ROUTE: 0-NONE

NET AMOUNT

TENDERED

CHANGE

CHECK NO. _____

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month

Day

Year

15. International Shipments

☐

Import to U.S.

☐

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month

Day

Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061890	EE		KRISTY	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	13:25	13:46	RT13	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 61940 LB
Scale 3 Tare Wt. 27720 LB TRUCK EXPIRES / /

Net Weight 34220 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.11 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

HAULER: 8667 RICCELLI ENT

ROUTE: 0-NONE

WW6T1 TO REORDER CONTACT CAROLINA SOFTWARE (910) 799-6767 SIGNATURE

ev

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

City of Gerson

44 Jackson

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Kicelli Trucking

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Seneca Meadows

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1. *Contaminated Soil*

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

Carol Eddington

Carol Eddington

12 7 17

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

Signature

Month Day Year

Chris Van Katter

Chris Van Katter

12 7 17

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

Carol Eddington

Carol Eddington

12 7 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID		WEIGHMASTER	
01	00061891	EE		Morgan W	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17	12/07/17	13:26	13:47	RT10	
REFERENCE		ORIGIN			
17-138		ONTARIO			

Scale 1 Gross Wt. 63960 LB
Scale 3 Tare Wt. 29700 LB TRUCK EXPIRES / /
Net Weight 34260 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.13 1.00	TON	B/R-CONTAM SOIL BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE

SIGNATURE

HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offendor's Printed/Typed Name

Signature

Month Day Year
12 7 17

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

Signature

Month Day Year
12 7 17

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
12 7 17

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

INBOUND CHARGE

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

SITE	TICKET	GRID	WEIGHMASTER
01	00061936	EE	Morgan W
DATE IN	DATE OUT	TIME IN	TIME OUT
12/07/17	12/07/17	14:29	14:48
REFERENCE		ORIGIN	
17-138		ONTARIO	

Scale 1 Gross Wt.
Scale 3 Tare Wt.

68720 LB
27420 LB

TRUCK EXPIRES / /

Net Weight

41300 LB

LIC# CONTAINER DESCRIPTION

RATE

EXTENSION

FEE

TOTAL

20.65
1.00

TON

B/R-CONTAM SOIL
BUD-ENV FEE

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER:

8667 RICCELLI ENT

ROUTE: 0-NONE
NOT TO REOPER CONTACT CAROLINA SOFTWARE (910) 799-6767

SIGNATURE



NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**HAZARDOUS
MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No. Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. Contaminated Soil

2. TICKET # 61936

RT-14

20.65

T

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

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

Seneca Meadows Landfill
1786 Salcam Rd
Waterloo, NY 13165

008027 CITY OF GENEVA
47 CASTLE STREET
GENEVA NY 14456

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER			
01	00061939	EE		Morgan W			
DATE IN		DATE OUT		TIME IN	TIME OUT	VEHICLE	ROLL OFF
12/07/17		12/07/17		14:34	14:49	RT12	
REFERENCE				ORIGIN			
17-138				ONTARIO			

Scale 1 Gross Wt. 63480 LB
Scale 3 Tare Wt. 27700 LB TRUCK EXPIRES / /
Net Weight 35780 LB LIC# CONTAINER

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.89	TON	B/R-CONTAM SOIL				
1.00		BUD-ENV FEE				

Operating Hours Mon-Fri 6:00am-4:00pm. Sat 6:00am-11:30am.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type.

HAULER: 8667 RICCELLI ENT
ROUTE: 0-NONE
SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

GEN
MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total
Quantity

12. Unit
Wt./Vol.

No.

Type

1. Contaminated Soil

2.

3.

4.

13. Special Handling Instructions and Additional Information

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/Offor's Printed/Typed Name

Signature

Month Day Year
14 7 17

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year
12 7 17

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:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

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
12 7 17

APPENDIX G

CAMP FIELD DATA SHEETS AND AIR MONITORING DATA

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_001	
Test Start Time		6:20:59 AM
Test Start Date		10/31/2017
Test Length [D:H:M]		0:05:29
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.013
Mass Minimum [mg/m3]		0.007
Mass Maximum [mg/m3]		0.026
Mass TWA [mg/m3]		0.009
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		329

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.026	
120		0.021	
180		0.021	
240		0.022	
300		0.022	
360		0.021	
420		0.022	
480		0.019	
540		0.019	
600		0.019	
660		0.019	
720		0.019	
780		0.017	
840		0.017	
900		0.018	
960		0.018	
1020		0.017	
1080		0.018	
1140		0.017	
1200		0.018	
1260		0.018	
1320		0.018	
1380		0.018	
1440		0.017	
1500		0.021	
1560		0.018	
1620		0.017	
1680		0.017	
1740		0.017	
1800		0.017	

1860	0.017
1920	0.016
1980	0.017
2040	0.017
2100	0.017
2160	0.018
2220	0.019
2280	0.016
2340	0.016
2400	0.016
2460	0.016
2520	0.016
2580	0.016
2640	0.016
2700	0.017
2760	0.016
2820	0.016
2880	0.016
2940	0.017
3000	0.016
3060	0.017
3120	0.017
3180	0.017
3240	0.016
3300	0.016
3360	0.016
3420	0.02
3480	0.016
3540	0.016
3600	0.016
3660	0.017
3720	0.018
3780	0.025
3840	0.022
3900	0.019
3960	0.017
4020	0.016
4080	0.016
4140	0.016
4200	0.016
4260	0.016
4320	0.016
4380	0.016
4440	0.015
4500	0.015
4560	0.015
4620	0.015
4680	0.015
4740	0.015
4800	0.014

4860	0.015
4920	0.015
4980	0.015
5040	0.015
5100	0.015
5160	0.015
5220	0.015
5280	0.016
5340	0.016
5400	0.015
5460	0.015
5520	0.015
5580	0.014
5640	0.015
5700	0.015
5760	0.015
5820	0.015
5880	0.015
5940	0.015
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	0.014
6540	0.014
6600	0.014
6660	0.014
6720	0.014
6780	0.013
6840	0.013
6900	0.013
6960	0.013
7020	0.013
7080	0.013
7140	0.012
7200	0.012
7260	0.012
7320	0.013
7380	0.012
7440	0.012
7500	0.012
7560	0.013
7620	0.013
7680	0.013
7740	0.013
7800	0.013

7860	0.013
7920	0.012
7980	0.012
8040	0.013
8100	0.012
8160	0.012
8220	0.012
8280	0.012
8340	0.012
8400	0.012
8460	0.012
8520	0.012
8580	0.012
8640	0.012
8700	0.012
8760	0.012
8820	0.012
8880	0.012
8940	0.012
9000	0.012
9060	0.012
9120	0.012
9180	0.012
9240	0.012
9300	0.012
9360	0.012
9420	0.012
9480	0.013
9540	0.012
9600	0.012
9660	0.013
9720	0.013
9780	0.013
9840	0.013
9900	0.012
9960	0.013
10020	0.013
10080	0.013
10140	0.012
10200	0.013
10260	0.013
10320	0.013
10380	0.013
10440	0.013
10500	0.012
10560	0.012
10620	0.012
10680	0.012
10740	0.012
10800	0.012

10860	0.012
10920	0.012
10980	0.012
11040	0.012
11100	0.011
11160	0.011
11220	0.011
11280	0.011
11340	0.011
11400	0.011
11460	0.011
11520	0.012
11580	0.012
11640	0.012
11700	0.012
11760	0.012
11820	0.012
11880	0.012
11940	0.012
12000	0.012
12060	0.011
12120	0.011
12180	0.011
12240	0.011
12300	0.011
12360	0.011
12420	0.011
12480	0.011
12540	0.012
12600	0.012
12660	0.011
12720	0.011
12780	0.011
12840	0.011
12900	0.011
12960	0.011
13020	0.011
13080	0.011
13140	0.011
13200	0.011
13260	0.011
13320	0.011
13380	0.011
13440	0.011
13500	0.011
13560	0.011
13620	0.011
13680	0.011
13740	0.011
13800	0.011

13860	0.012
13920	0.011
13980	0.011
14040	0.011
14100	0.012
14160	0.011
14220	0.011
14280	0.011
14340	0.011
14400	0.011
14460	0.011
14520	0.01
14580	0.01
14640	0.009
14700	0.009
14760	0.009
14820	0.009
14880	0.009
14940	0.009
15000	0.009
15060	0.009
15120	0.009
15180	0.009
15240	0.009
15300	0.009
15360	0.009
15420	0.009
15480	0.009
15540	0.009
15600	0.009
15660	0.009
15720	0.009
15780	0.009
15840	0.009
15900	0.009
15960	0.009
16020	0.009
16080	0.009
16140	0.009
16200	0.009
16260	0.009
16320	0.009
16380	0.009
16440	0.009
16500	0.009
16560	0.009
16620	0.009
16680	0.009
16740	0.009
16800	0.009

16860	0.009
16920	0.009
16980	0.009
17040	0.008
17100	0.008
17160	0.008
17220	0.008
17280	0.008
17340	0.008
17400	0.008
17460	0.008
17520	0.008
17580	0.008
17640	0.008
17700	0.008
17760	0.008
17820	0.008
17880	0.008
17940	0.008
18000	0.008
18060	0.008
18120	0.008
18180	0.007
18240	0.007
18300	0.007
18360	0.007
18420	0.007
18480	0.007
18540	0.007
18600	0.007
18660	0.007
18720	0.007
18780	0.007
18840	0.007
18900	0.007
18960	0.007
19020	0.007
19080	0.007
19140	0.007
19200	0.007
19260	0.007
19320	0.007
19380	0.007
19440	0.007
19500	0.007
19560	0.007
19620	0.007
19680	0.007
19740	0.007

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_002	
Test Start Time		5:05:18 AM
Test Start Date		11/1/2017
Test Length [D:H:M]		0:06:55
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.013
Mass Minimum [mg/m3]		0.011
Mass Maximum [mg/m3]		0.029
Mass TWA [mg/m3]		0.011
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		415

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.017	
120		0.016	
180		0.016	
240		0.015	
300		0.015	
360		0.015	
420		0.015	
480		0.015	
540		0.015	
600		0.014	
660		0.014	
720		0.014	
780		0.014	
840		0.014	
900		0.014	
960		0.014	
1020		0.014	
1080		0.014	
1140		0.013	
1200		0.013	
1260		0.013	
1320		0.013	
1380		0.013	
1440		0.013	
1500		0.013	
1560		0.013	
1620		0.013	
1680		0.013	
1740		0.012	
1800		0.013	

1860	0.012
1920	0.012
1980	0.012
2040	0.012
2100	0.012
2160	0.012
2220	0.013
2280	0.012
2340	0.012
2400	0.012
2460	0.012
2520	0.012
2580	0.012
2640	0.012
2700	0.012
2760	0.012
2820	0.012
2880	0.012
2940	0.012
3000	0.012
3060	0.012
3120	0.012
3180	0.012
3240	0.012
3300	0.013
3360	0.013
3420	0.012
3480	0.012
3540	0.012
3600	0.012
3660	0.012
3720	0.012
3780	0.012
3840	0.012
3900	0.012
3960	0.012
4020	0.012
4080	0.012
4140	0.012
4200	0.012
4260	0.012
4320	0.012
4380	0.012
4440	0.012
4500	0.012
4560	0.012
4620	0.012
4680	0.012
4740	0.012
4800	0.012

4860	0.012
4920	0.012
4980	0.013
5040	0.012
5100	0.012
5160	0.012
5220	0.012
5280	0.012
5340	0.012
5400	0.012
5460	0.012
5520	0.012
5580	0.012
5640	0.012
5700	0.012
5760	0.023
5820	0.014
5880	0.012
5940	0.012
6000	0.012
6060	0.012
6120	0.012
6180	0.012
6240	0.012
6300	0.012
6360	0.012
6420	0.012
6480	0.012
6540	0.012
6600	0.012
6660	0.012
6720	0.012
6780	0.012
6840	0.012
6900	0.012
6960	0.012
7020	0.013
7080	0.012
7140	0.012
7200	0.012
7260	0.012
7320	0.012
7380	0.012
7440	0.012
7500	0.012
7560	0.012
7620	0.012
7680	0.012
7740	0.012
7800	0.012

7860	0.012
7920	0.012
7980	0.012
8040	0.013
8100	0.012
8160	0.013
8220	0.013
8280	0.013
8340	0.013
8400	0.013
8460	0.013
8520	0.013
8580	0.014
8640	0.014
8700	0.013
8760	0.013
8820	0.014
8880	0.014
8940	0.013
9000	0.013
9060	0.013
9120	0.014
9180	0.015
9240	0.013
9300	0.013
9360	0.013
9420	0.013
9480	0.013
9540	0.013
9600	0.013
9660	0.012
9720	0.012
9780	0.012
9840	0.012
9900	0.012
9960	0.012
10020	0.012
10080	0.013
10140	0.013
10200	0.012
10260	0.013
10320	0.013
10380	0.013
10440	0.013
10500	0.013
10560	0.014
10620	0.013
10680	0.013
10740	0.013
10800	0.013

10860	0.013
10920	0.013
10980	0.013
11040	0.013
11100	0.012
11160	0.012
11220	0.013
11280	0.013
11340	0.015
11400	0.014
11460	0.013
11520	0.013
11580	0.013
11640	0.013
11700	0.013
11760	0.013
11820	0.013
11880	0.013
11940	0.013
12000	0.013
12060	0.013
12120	0.013
12180	0.013
12240	0.013
12300	0.013
12360	0.013
12420	0.013
12480	0.013
12540	0.013
12600	0.013
12660	0.013
12720	0.013
12780	0.019
12840	0.029
12900	0.025
12960	0.022
13020	0.014
13080	0.013
13140	0.013
13200	0.016
13260	0.016
13320	0.014
13380	0.014
13440	0.014
13500	0.014
13560	0.014
13620	0.014
13680	0.014
13740	0.013
13800	0.013

13860	0.014
13920	0.013
13980	0.013
14040	0.014
14100	0.014
14160	0.014
14220	0.014
14280	0.013
14340	0.015
14400	0.014
14460	0.014
14520	0.014
14580	0.015
14640	0.015
14700	0.014
14760	0.014
14820	0.015
14880	0.015
14940	0.016
15000	0.017
15060	0.019
15120	0.016
15180	0.016
15240	0.017
15300	0.018
15360	0.014
15420	0.017
15480	0.014
15540	0.013
15600	0.013
15660	0.017
15720	0.015
15780	0.013
15840	0.013
15900	0.013
15960	0.015
16020	0.014
16080	0.015
16140	0.016
16200	0.014
16260	0.015
16320	0.013
16380	0.013
16440	0.014
16500	0.011
16560	0.011
16620	0.011
16680	0.011
16740	0.011
16800	0.012

16860	0.011
16920	0.011
16980	0.012
17040	0.013
17100	0.012
17160	0.016
17220	0.029
17280	0.012
17340	0.011
17400	0.011
17460	0.011
17520	0.011
17580	0.011
17640	0.011
17700	0.011
17760	0.011
17820	0.011
17880	0.011
17940	0.011
18000	0.011
18060	0.011
18120	0.012
18180	0.012
18240	0.011
18300	0.011
18360	0.011
18420	0.011
18480	0.012
18540	0.011
18600	0.011
18660	0.012
18720	0.011
18780	0.012
18840	0.011
18900	0.011
18960	0.011
19020	0.012
19080	0.012
19140	0.012
19200	0.012
19260	0.012
19320	0.012
19380	0.012
19440	0.012
19500	0.012
19560	0.012
19620	0.012
19680	0.012
19740	0.012
19800	0.012

19860	0.012
19920	0.012
19980	0.012
20040	0.012
20100	0.012
20160	0.012
20220	0.013
20280	0.012
20340	0.012
20400	0.012
20460	0.013
20520	0.013
20580	0.013
20640	0.013
20700	0.013
20760	0.013
20820	0.012
20880	0.014
20940	0.013
21000	0.013
21060	0.013
21120	0.013
21180	0.012
21240	0.013
21300	0.013
21360	0.013
21420	0.012
21480	0.012
21540	0.012
21600	0.013
21660	0.013
21720	0.013
21780	0.012
21840	0.012
21900	0.012
21960	0.012
22020	0.012
22080	0.012
22140	0.012
22200	0.012
22260	0.012
22320	0.012
22380	0.013
22440	0.012
22500	0.013
22560	0.013
22620	0.013
22680	0.013
22740	0.012
22800	0.013

22860	0.012
22920	0.012
22980	0.013
23040	0.012
23100	0.015
23160	0.021
23220	0.012
23280	0.012
23340	0.012
23400	0.012
23460	0.012
23520	0.012
23580	0.012
23640	0.012
23700	0.012
23760	0.012
23820	0.012
23880	0.012
23940	0.012
24000	0.012
24060	0.012
24120	0.012
24180	0.012
24240	0.012
24300	0.012
24360	0.012
24420	0.012
24480	0.012
24540	0.012
24600	0.012
24660	0.012
24720	0.012
24780	0.012
24840	0.012
24900	0.012

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151509
Firmware Version	3.3
Calibration Date	4/8/2015
Test Name	MANUAL_003
Test Start Time	5:56:03 AM
Test Start Date	11/6/2017
Test Length [D:H:M]	0:07:26
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.001
Mass Minimum [mg/m3]	-0.001
Mass Maximum [mg/m3]	0.044
Mass TWA [mg/m3]	0.001
Photometric User Cal	0.9
Flow User Cal	0
Errors	
Number of Samples	446

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.008		
120	0.001		
180	0.001		
240	0.001		
300	0.001		
360	0.001		
420	0.001		
480	0.001		
540	0.001		
600	0.001		
660	0.001		
720	0		
780	0.001		
840	0		
900	0.001		
960	0.001		
1020	0		
1080	0		
1140	0		
1200	0		
1260	0		
1320	0.001		
1380	0.001		
1440	0		
1500	0		
1560	0		
1620	0		
1680	0		
1740	0		
1800	0		

1860	-0.001
1920	-0.001
1980	-0.001
2040	0
2100	-0.001
2160	-0.001
2220	0
2280	-0.001
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	-0.001
3300	-0.001
3360	-0.001
3420	-0.001
3480	-0.001
3540	-0.001
3600	-0.001
3660	-0.001
3720	-0.001
3780	-0.001
3840	-0.001
3900	-0.001
3960	-0.001
4020	-0.001
4080	-0.001
4140	-0.001
4200	-0.001
4260	-0.001
4320	-0.001
4380	-0.001
4440	-0.001
4500	-0.001
4560	-0.001
4620	0
4680	-0.001
4740	-0.001
4800	-0.001

4860	-0.001
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	0.001
6360	0.001
6420	0
6480	0
6540	0.044
6600	0.034
6660	0.01
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	0.002
12900	0.001
12960	0
13020	0
13080	0
13140	0.001
13200	0.001
13260	0
13320	0
13380	0.001
13440	0.001
13500	0.001
13560	0.001
13620	0.001
13680	0.001
13740	0.002
13800	0.001

13860	0.001
13920	0.001
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	0.002
15000	0.002
15060	0.002
15120	0.002
15180	0.002
15240	0.002
15300	0.002
15360	0.002
15420	0.002
15480	0.002
15540	0.002
15600	0.002
15660	0.002
15720	0.002
15780	0.002
15840	0.002
15900	0.002
15960	0.002
16020	0.002
16080	0.002
16140	0.002
16200	0.002
16260	0.002
16320	0.002
16380	0.002
16440	0.002
16500	0.002
16560	0.002
16620	0.002
16680	0.002
16740	0.002
16800	0.002

16860	0.001
16920	0.001
16980	0.002
17040	0.002
17100	0.002
17160	0.002
17220	0.002
17280	0.002
17340	0.002
17400	0.002
17460	0.002
17520	0.002
17580	0.002
17640	0.002
17700	0.002
17760	0.002
17820	0.002
17880	0.003
17940	0.003
18000	0.003
18060	0.003
18120	0.003
18180	0.002
18240	0.003
18300	0.002
18360	0.002
18420	0.002
18480	0.002
18540	0.002
18600	0.001
18660	0.001
18720	0.001
18780	0.001
18840	0.002
18900	0.002
18960	0.001
19020	0.002
19080	0.002
19140	0.002
19200	0.002
19260	0.002
19320	0.002
19380	0.002
19440	0.002
19500	0.002
19560	0.002
19620	0.001
19680	0.001
19740	0.001
19800	0.002

19860	0.001
19920	0.002
19980	0.001
20040	0.001
20100	0.002
20160	0.002
20220	0.002
20280	0.001
20340	0.001
20400	0.001
20460	0.002
20520	0.001
20580	0.001
20640	0.002
20700	0.002
20760	0.002
20820	0.002
20880	0.002
20940	0.002
21000	0.001
21060	0.001
21120	0.001
21180	0.001
21240	0.001
21300	0.001
21360	0.002
21420	0.001
21480	0.001
21540	0.001
21600	0.001
21660	0.001
21720	0.001
21780	0.001
21840	0.001
21900	0.001
21960	0.001
22020	0.001
22080	0.001
22140	0.001
22200	0.001
22260	0.001
22320	0.001
22380	0.001
22440	0.001
22500	0.001
22560	0.001
22620	0.001
22680	0.001
22740	0.001
22800	0.001

22860	0.001
22920	0.001
22980	0.001
23040	0.001
23100	0.001
23160	0
23220	0.001
23280	0.001
23340	0.001
23400	0.001
23460	0.001
23520	0.001
23580	0
23640	0.001
23700	0.001
23760	0.001
23820	0.001
23880	0.001
23940	0.001
24000	0.001
24060	0.001
24120	0.001
24180	0.001
24240	0.001
24300	0.001
24360	0.001
24420	0.001
24480	0.001
24540	0.001
24600	0.001
24660	0.001
24720	0.001
24780	0.001
24840	0.001
24900	0.001
24960	0.001
25020	0.001
25080	0.001
25140	0.001
25200	0.001
25260	0.001
25320	0.001
25380	0.001
25440	0.001
25500	0.001
25560	0.001
25620	0.001
25680	0.001
25740	0.001
25800	0.001

25860	0.001
25920	0.001
25980	0.001
26040	0.001
26100	0.001
26160	0.001
26220	0.001
26280	0.001
26340	0.001
26400	0.001
26460	0
26520	0.001
26580	0.001
26640	0.001
26700	0.001
26760	0.001

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_004	
Test Start Time		5:52:57 AM
Test Start Date		11/7/2017
Test Length [D:H:M]		0:06:21
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.004
Mass Minimum [mg/m3]		-0.002
Mass Maximum [mg/m3]		0.035
Mass TWA [mg/m3]		0.003
Photometric User Cal		0.9
Flow User Cal		0
Errors	Flow Error	
Number of Samples		381

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.002	
120		0.002	
180		0.002	
240		0.002	
300		0.002	
360		0.002	
420		0.007	
480		0.002	
540		0.003	
600		0.003	
660		0.002	
720		0.002	
780		0.002	
840		0.002	
900		0.003	
960		0.003	
1020		0.002	
1080		0.003	
1140		0.002	
1200		0.002	
1260		0.002	
1320		0.002	
1380		0.002	
1440		0.002	
1500		0.002	
1560		0.002	
1620		0.003	
1680		0.003	
1740		0.003	
1800		0.005	

1860	0.003
1920	0.003
1980	0.003
2040	0.002
2100	0.004
2160	0.017
2220	0.012
2280	0.008
2340	0.006
2400	0.007
2460	0.006
2520	0.033
2580	0.01
2640	0.013
2700	0.009
2760	0.008
2820	0.006
2880	0.007
2940	0.004
3000	0.002
3060	0.003
3120	0.003
3180	0.009
3240	0.005
3300	0.002
3360	0.008
3420	0.007
3480	0.019
3540	0.005
3600	0.017
3660	0.012
3720	0.007
3780	0.003
3840	0.008
3900	0.006
3960	0.002
4020	0.002
4080	0.002
4140	0.002
4200	0.003
4260	0.003
4320	0.003
4380	0.003
4440	0.006
4500	0.007
4560	0.005
4620	0.005
4680	0.007
4740	0.004
4800	0.003

4860	0.008
4920	0.007
4980	0.005
5040	0.004
5100	0.003
5160	0.007
5220	0.003
5280	0.013
5340	0.012
5400	0.009
5460	0.005
5520	0.006
5580	0.005
5640	0.008
5700	0.004
5760	0.003
5820	0.012
5880	0.009
5940	0.005
6000	0.005
6060	0.004
6120	0.009
6180	0.004
6240	0.033
6300	0.012
6360	0.004
6420	0.017
6480	0.004
6540	0.003
6600	0.004
6660	0.004
6720	0.004
6780	0.004
6840	0.003
6900	0.003
6960	0.003
7020	0.004
7080	0.013
7140	0.008
7200	0.008
7260	0.006
7320	0.004
7380	0.004
7440	0.003
7500	0.003
7560	0.003
7620	0.003
7680	0.003
7740	0.003
7800	0.003

7860	0.003
7920	0.002
7980	0.002
8040	0.003
8100	0.003
8160	0.003
8220	0.002
8280	0.002
8340	0.003
8400	0.002
8460	0.003
8520	0.003
8580	0.002
8640	0.003
8700	0.004
8760	0.004
8820	0.025
8880	0.002
8940	0.01
9000	0.005
9060	0.005
9120	0.005
9180	0.003
9240	0.004
9300	0.004
9360	0.003
9420	0.003
9480	0.003
9540	0.003
9600	0.003
9660	0.003
9720	0.004
9780	0.004
9840	0.003
9900	0.004
9960	0.009
10020	0.003
10080	0.004
10140	0.005
10200	0.004
10260	0.004
10320	0.003
10380	0.004
10440	0.005
10500	0.005
10560	0.005
10620	0.005
10680	0.014
10740	0.005
10800	0.004

10860	0.016
10920	0.003
10980	0.003
11040	0.035
11100	0.004
11160	0.004
11220	0.004
11280	0.004
11340	0.003
11400	0.003
11460	0.003
11520	0.003
11580	0.003
11640	0.003
11700	0.003
11760	0.003
11820	0.003
11880	0.003
11940	0.003
12000	0.005
12060	0.007
12120	0.003
12180	0.004
12240	0.006
12300	0.003
12360	0.004
12420	0.002
12480	0.002
12540	0.002
12600	0.003
12660	0.002
12720	0.003
12780	0.003
12840	0.002
12900	0.002
12960	0.002
13020	0.002
13080	0.002
13140	0.003
13200	0.002
13260	0.002
13320	0.002
13380	0.002
13440	0.002
13500	0.002
13560	0.002
13620	0.002
13680	0.002
13740	0.003
13800	0.003

13860	0.003
13920	0.003
13980	0.003
14040	0.003
14100	0.003
14160	0.003
14220	0.003
14280	0.003
14340	0.003
14400	0.003
14460	0.003
14520	0.003
14580	0.003
14640	0.003
14700	0.003
14760	0.003
14820	0.003
14880	0.003
14940	0.003
15000	0.003
15060	0.003
15120	0.003
15180	0.002
15240	0.002
15300	0.002
15360	0.002
15420	0.002
15480	0.003
15540	0.003
15600	0.002
15660	0.004
15720	0.002
15780	0.002
15840	0.002
15900	0.001
15960	0.001
16020	0.001
16080	0.002
16140	0.002
16200	0.002
16260	0.002
16320	0.001
16380	0.001
16440	0.002
16500	0.002
16560	0.002
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	0.001
17160	0.001
17220	0.001
17280	0.001
17340	0.001
17400	0.001
17460	0.001
17520	0.001
17580	0.001
17640	0.001
17700	0.001
17760	0.001
17820	0.001
17880	0.001
17940	0.001
18000	0.001
18060	0.002
18120	0.007
18180	0.001
18240	0.001
18300	0.001
18360	0.005
18420	0.004
18480	0.003
18540	0.005
18600	0.003
18660	0.002
18720	0.009
18780	0.016
18840	0.004
18900	0.001
18960	0.006
19020	0.002
19080	0.005
19140	0.001
19200	0.001
19260	0.001
19320	0.001
19380	0.001
19440	0.001
19500	0.001
19560	0.001
19620	0.001
19680	0.001
19740	0.002
19800	0.002

19860	0.001	
19920	0.002	
19980	0.001	
20040	0.001	
20100	0.001	
20160	0.001	
20220	0.001	
20280	0.001	
20340	0.001	
20400	0.001	
20460	0.001	
20520	0.001	
20580	0.001	
20640	0.001	
20700	0.002	
20760	0.002	
20820	0.001	
20880	0.001	
20940	0.001	
21000	0.002	
21060	0.001	
21120	0.001	
21180	0.001	
21240	0.001	
21300	0.001	
21360	0.001	
21420	0.001	
21480	0.001	
21540	0.001	
21600	0.001	
21660	0.001	
21720	0.001	
21780	0.003	
21840	0.007	
21900	0.006	
21960	0.001	
22020	0.001	
22080	0.001	
22140	0	Flow Error
22200	0.005	Flow Error
22260	0.003	Flow Error
22320	0.007	Flow Error
22380	-0.001	Flow Error
22440	-0.001	Flow Error
22500	0	Flow Error
22560	-0.001	Flow Error
22620	-0.001	Flow Error
22680	-0.001	Flow Error
22740	0.001	Flow Error
22800	-0.001	Flow Error

22860

-0.002

Flow Error

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_005	
Test Start Time		7:31:19 AM
Test Start Date		11/9/2017
Test Length [D:H:M]		0:07:56
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.016
Mass Minimum [mg/m3]		0.004
Mass Maximum [mg/m3]		0.262
Mass TWA [mg/m3]		0.015
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		476

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.017	
120		0.009	
180		0.007	
240		0.008	
300		0.008	
360		0.007	
420		0.007	
480		0.02	
540		0.007	
600		0.007	
660		0.009	
720		0.012	
780		0.008	
840		0.007	
900		0.007	
960		0.008	
1020		0.008	
1080		0.007	
1140		0.007	
1200		0.007	
1260		0.008	
1320		0.008	
1380		0.008	
1440		0.008	
1500		0.008	
1560		0.007	
1620		0.008	
1680		0.007	
1740		0.008	
1800		0.008	

1860	0.008
1920	0.008
1980	0.008
2040	0.008
2100	0.008
2160	0.008
2220	0.008
2280	0.008
2340	0.008
2400	0.008
2460	0.011
2520	0.009
2580	0.009
2640	0.009
2700	0.011
2760	0.011
2820	0.008
2880	0.013
2940	0.016
3000	0.021
3060	0.024
3120	0.019
3180	0.053
3240	0.04
3300	0.028
3360	0.021
3420	0.022
3480	0.038
3540	0.041
3600	0.017
3660	0.021
3720	0.022
3780	0.036
3840	0.029
3900	0.017
3960	0.012
4020	0.011
4080	0.01
4140	0.013
4200	0.014
4260	0.014
4320	0.012
4380	0.012
4440	0.01
4500	0.01
4560	0.01
4620	0.011
4680	0.011
4740	0.015
4800	0.062

4860	0.058
4920	0.022
4980	0.016
5040	0.016
5100	0.018
5160	0.02
5220	0.019
5280	0.012
5340	0.014
5400	0.018
5460	0.012
5520	0.012
5580	0.011
5640	0.018
5700	0.017
5760	0.014
5820	0.013
5880	0.011
5940	0.011
6000	0.01
6060	0.01
6120	0.009
6180	0.01
6240	0.01
6300	0.009
6360	0.009
6420	0.009
6480	0.009
6540	0.009
6600	0.01
6660	0.01
6720	0.01
6780	0.01
6840	0.01
6900	0.01
6960	0.01
7020	0.01
7080	0.01
7140	0.01
7200	0.01
7260	0.01
7320	0.01
7380	0.011
7440	0.011
7500	0.011
7560	0.011
7620	0.011
7680	0.011
7740	0.017
7800	0.012

7860	0.011
7920	0.011
7980	0.011
8040	0.013
8100	0.013
8160	0.017
8220	0.022
8280	0.019
8340	0.014
8400	0.013
8460	0.013
8520	0.019
8580	0.014
8640	0.019
8700	0.015
8760	0.016
8820	0.014
8880	0.018
8940	0.018
9000	0.023
9060	0.028
9120	0.016
9180	0.014
9240	0.013
9300	0.012
9360	0.013
9420	0.011
9480	0.012
9540	0.013
9600	0.012
9660	0.012
9720	0.011
9780	0.012
9840	0.012
9900	0.012
9960	0.012
10020	0.017
10080	0.019
10140	0.015
10200	0.017
10260	0.011
10320	0.014
10380	0.014
10440	0.012
10500	0.012
10560	0.011
10620	0.012
10680	0.013
10740	0.013
10800	0.013

10860	0.012
10920	0.013
10980	0.013
11040	0.013
11100	0.013
11160	0.012
11220	0.012
11280	0.012
11340	0.012
11400	0.011
11460	0.012
11520	0.012
11580	0.012
11640	0.012
11700	0.013
11760	0.017
11820	0.014
11880	0.012
11940	0.014
12000	0.015
12060	0.014
12120	0.012
12180	0.015
12240	0.013
12300	0.014
12360	0.012
12420	0.013
12480	0.013
12540	0.014
12600	0.013
12660	0.018
12720	0.015
12780	0.013
12840	0.013
12900	0.018
12960	0.013
13020	0.014
13080	0.017
13140	0.018
13200	0.02
13260	0.027
13320	0.014
13380	0.025
13440	0.016
13500	0.015
13560	0.016
13620	0.014
13680	0.014
13740	0.014
13800	0.015

13860	0.015
13920	0.018
13980	0.017
14040	0.02
14100	0.02
14160	0.02
14220	0.014
14280	0.014
14340	0.017
14400	0.027
14460	0.013
14520	0.013
14580	0.013
14640	0.022
14700	0.064
14760	0.014
14820	0.015
14880	0.015
14940	0.016
15000	0.013
15060	0.013
15120	0.012
15180	0.013
15240	0.015
15300	0.013
15360	0.014
15420	0.038
15480	0.148
15540	0.262
15600	0.184
15660	0.08
15720	0.02
15780	0.016
15840	0.02
15900	0.028
15960	0.022
16020	0.021
16080	0.021
16140	0.014
16200	0.014
16260	0.014
16320	0.015
16380	0.014
16440	0.014
16500	0.014
16560	0.014
16620	0.014
16680	0.014
16740	0.014
16800	0.014

16860	0.014
16920	0.024
16980	0.015
17040	0.019
17100	0.05
17160	0.046
17220	0.018
17280	0.015
17340	0.014
17400	0.018
17460	0.028
17520	0.016
17580	0.025
17640	0.017
17700	0.041
17760	0.019
17820	0.015
17880	0.025
17940	0.076
18000	0.075
18060	0.031
18120	0.016
18180	0.015
18240	0.015
18300	0.017
18360	0.014
18420	0.015
18480	0.03
18540	0.019
18600	0.014
18660	0.015
18720	0.013
18780	0.012
18840	0.011
18900	0.011
18960	0.011
19020	0.012
19080	0.011
19140	0.01
19200	0.011
19260	0.012
19320	0.011
19380	0.009
19440	0.009
19500	0.01
19560	0.01
19620	0.01
19680	0.012
19740	0.015
19800	0.012

19860	0.025
19920	0.018
19980	0.015
20040	0.011
20100	0.012
20160	0.011
20220	0.012
20280	0.011
20340	0.011
20400	0.012
20460	0.011
20520	0.015
20580	0.034
20640	0.011
20700	0.012
20760	0.021
20820	0.033
20880	0.061
20940	0.068
21000	0.016
21060	0.017
21120	0.012
21180	0.013
21240	0.018
21300	0.031
21360	0.017
21420	0.011
21480	0.015
21540	0.015
21600	0.012
21660	0.018
21720	0.014
21780	0.018
21840	0.013
21900	0.013
21960	0.012
22020	0.012
22080	0.012
22140	0.012
22200	0.011
22260	0.012
22320	0.012
22380	0.013
22440	0.014
22500	0.017
22560	0.016
22620	0.015
22680	0.024
22740	0.041
22800	0.018

22860	0.023
22920	0.012
22980	0.02
23040	0.018
23100	0.018
23160	0.022
23220	0.02
23280	0.017
23340	0.028
23400	0.026
23460	0.019
23520	0.018
23580	0.024
23640	0.013
23700	0.012
23760	0.01
23820	0.009
23880	0.01
23940	0.008
24000	0.008
24060	0.008
24120	0.008
24180	0.009
24240	0.009
24300	0.009
24360	0.008
24420	0.008
24480	0.009
24540	0.008
24600	0.009
24660	0.007
24720	0.007
24780	0.007
24840	0.007
24900	0.007
24960	0.007
25020	0.008
25080	0.007
25140	0.007
25200	0.007
25260	0.007
25320	0.007
25380	0.008
25440	0.008
25500	0.007
25560	0.007
25620	0.007
25680	0.015
25740	0.009
25800	0.023

25860	0.011
25920	0.007
25980	0.007
26040	0.007
26100	0.007
26160	0.009
26220	0.007
26280	0.006
26340	0.006
26400	0.006
26460	0.006
26520	0.006
26580	0.006
26640	0.006
26700	0.006
26760	0.006
26820	0.007
26880	0.006
26940	0.005
27000	0.005
27060	0.005
27120	0.005
27180	0.005
27240	0.005
27300	0.005
27360	0.005
27420	0.005
27480	0.005
27540	0.005
27600	0.005
27660	0.005
27720	0.004
27780	0.004
27840	0.004
27900	0.004
27960	0.004
28020	0.004
28080	0.004
28140	0.004
28200	0.004
28260	0.004
28320	0.004
28380	0.004
28440	0.004
28500	0.004
28560	0.006

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_006	
Test Start Time		7:48:03 AM
Test Start Date		11/13/2017
Test Length [D:H:M]		0:07:23
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.028
Mass Minimum [mg/m3]		0.021
Mass Maximum [mg/m3]		0.035
Mass TWA [mg/m3]		0.026
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		443

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.026	
120		0.024	
180		0.024	
240		0.024	
300		0.025	
360		0.025	
420		0.025	
480		0.026	
540		0.026	
600		0.026	
660		0.026	
720		0.026	
780		0.027	
840		0.027	
900		0.027	
960		0.027	
1020		0.027	
1080		0.027	
1140		0.027	
1200		0.027	
1260		0.028	
1320		0.027	
1380		0.027	
1440		0.027	
1500		0.027	
1560		0.027	
1620		0.028	
1680		0.028	
1740		0.028	
1800		0.028	

1860	0.029
1920	0.029
1980	0.029
2040	0.029
2100	0.029
2160	0.029
2220	0.029
2280	0.029
2340	0.029
2400	0.029
2460	0.029
2520	0.029
2580	0.029
2640	0.029
2700	0.029
2760	0.029
2820	0.029
2880	0.029
2940	0.03
3000	0.03
3060	0.031
3120	0.031
3180	0.031
3240	0.03
3300	0.031
3360	0.031
3420	0.03
3480	0.031
3540	0.031
3600	0.03
3660	0.031
3720	0.031
3780	0.032
3840	0.031
3900	0.032
3960	0.032
4020	0.032
4080	0.032
4140	0.032
4200	0.033
4260	0.032
4320	0.032
4380	0.031
4440	0.032
4500	0.032
4560	0.032
4620	0.032
4680	0.032
4740	0.032
4800	0.031

4860	0.031
4920	0.032
4980	0.031
5040	0.031
5100	0.031
5160	0.031
5220	0.031
5280	0.031
5340	0.031
5400	0.031
5460	0.031
5520	0.031
5580	0.03
5640	0.031
5700	0.031
5760	0.031
5820	0.031
5880	0.031
5940	0.031
6000	0.031
6060	0.032
6120	0.032
6180	0.031
6240	0.031
6300	0.031
6360	0.031
6420	0.031
6480	0.031
6540	0.031
6600	0.03
6660	0.031
6720	0.031
6780	0.03
6840	0.031
6900	0.031
6960	0.031
7020	0.031
7080	0.03
7140	0.031
7200	0.031
7260	0.032
7320	0.031
7380	0.031
7440	0.031
7500	0.03
7560	0.029
7620	0.03
7680	0.029
7740	0.03
7800	0.03

7860	0.029
7920	0.029
7980	0.03
8040	0.03
8100	0.029
8160	0.03
8220	0.029
8280	0.029
8340	0.029
8400	0.029
8460	0.029
8520	0.029
8580	0.028
8640	0.028
8700	0.029
8760	0.028
8820	0.028
8880	0.028
8940	0.029
9000	0.028
9060	0.028
9120	0.029
9180	0.028
9240	0.029
9300	0.029
9360	0.03
9420	0.031
9480	0.031
9540	0.03
9600	0.03
9660	0.029
9720	0.029
9780	0.029
9840	0.029
9900	0.03
9960	0.029
10020	0.028
10080	0.028
10140	0.028
10200	0.028
10260	0.028
10320	0.028
10380	0.028
10440	0.028
10500	0.028
10560	0.028
10620	0.027
10680	0.027
10740	0.027
10800	0.028

10860	0.028
10920	0.028
10980	0.027
11040	0.028
11100	0.027
11160	0.027
11220	0.028
11280	0.027
11340	0.026
11400	0.026
11460	0.026
11520	0.026
11580	0.026
11640	0.026
11700	0.025
11760	0.025
11820	0.026
11880	0.026
11940	0.035
12000	0.031
12060	0.027
12120	0.024
12180	0.025
12240	0.025
12300	0.026
12360	0.026
12420	0.026
12480	0.026
12540	0.026
12600	0.025
12660	0.027
12720	0.026
12780	0.026
12840	0.025
12900	0.025
12960	0.025
13020	0.023
13080	0.021
13140	0.024
13200	0.024
13260	0.024
13320	0.025
13380	0.026
13440	0.025
13500	0.025
13560	0.024
13620	0.024
13680	0.025
13740	0.027
13800	0.027

13860	0.027
13920	0.027
13980	0.027
14040	0.027
14100	0.027
14160	0.027
14220	0.027
14280	0.027
14340	0.028
14400	0.028
14460	0.028
14520	0.028
14580	0.028
14640	0.028
14700	0.027
14760	0.028
14820	0.028
14880	0.027
14940	0.027
15000	0.027
15060	0.028
15120	0.028
15180	0.027
15240	0.027
15300	0.027
15360	0.026
15420	0.026
15480	0.026
15540	0.026
15600	0.025
15660	0.025
15720	0.025
15780	0.024
15840	0.024
15900	0.024
15960	0.023
16020	0.023
16080	0.025
16140	0.026
16200	0.026
16260	0.026
16320	0.026
16380	0.027
16440	0.027
16500	0.028
16560	0.028
16620	0.028
16680	0.027
16740	0.027
16800	0.027

16860	0.027
16920	0.027
16980	0.028
17040	0.028
17100	0.028
17160	0.028
17220	0.029
17280	0.029
17340	0.029
17400	0.029
17460	0.029
17520	0.029
17580	0.029
17640	0.029
17700	0.029
17760	0.029
17820	0.029
17880	0.028
17940	0.029
18000	0.029
18060	0.029
18120	0.029
18180	0.029
18240	0.029
18300	0.029
18360	0.029
18420	0.029
18480	0.029
18540	0.029
18600	0.029
18660	0.028
18720	0.028
18780	0.028
18840	0.028
18900	0.028
18960	0.028
19020	0.029
19080	0.029
19140	0.029
19200	0.029
19260	0.029
19320	0.029
19380	0.029
19440	0.029
19500	0.029
19560	0.029
19620	0.029
19680	0.029
19740	0.029
19800	0.029

19860	0.029
19920	0.029
19980	0.029
20040	0.029
20100	0.028
20160	0.029
20220	0.029
20280	0.03
20340	0.03
20400	0.03
20460	0.03
20520	0.03
20580	0.029
20640	0.029
20700	0.029
20760	0.029
20820	0.03
20880	0.03
20940	0.03
21000	0.03
21060	0.03
21120	0.03
21180	0.03
21240	0.03
21300	0.029
21360	0.029
21420	0.03
21480	0.03
21540	0.031
21600	0.03
21660	0.03
21720	0.03
21780	0.03
21840	0.03
21900	0.03
21960	0.029
22020	0.03
22080	0.03
22140	0.031
22200	0.03
22260	0.03
22320	0.03
22380	0.029
22440	0.03
22500	0.03
22560	0.03
22620	0.03
22680	0.03
22740	0.029
22800	0.029

22860	0.029
22920	0.029
22980	0.03
23040	0.029
23100	0.029
23160	0.029
23220	0.028
23280	0.028
23340	0.028
23400	0.029
23460	0.028
23520	0.028
23580	0.028
23640	0.028
23700	0.028
23760	0.028
23820	0.028
23880	0.028
23940	0.028
24000	0.028
24060	0.028
24120	0.029
24180	0.029
24240	0.029
24300	0.029
24360	0.029
24420	0.029
24480	0.029
24540	0.029
24600	0.029
24660	0.029
24720	0.029
24780	0.029
24840	0.029
24900	0.029
24960	0.029
25020	0.029
25080	0.029
25140	0.029
25200	0.029
25260	0.029
25320	0.028
25380	0.028
25440	0.028
25500	0.028
25560	0.028
25620	0.028
25680	0.027
25740	0.027
25800	0.026

25860	0.026
25920	0.026
25980	0.027
26040	0.026
26100	0.026
26160	0.025
26220	0.025
26280	0.025
26340	0.024
26400	0.024
26460	0.024
26520	0.024
26580	0.024

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_007	
Test Start Time		8:03:35 AM
Test Start Date		11/14/2017
Test Length [D:H:M]		0:08:14
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.038
Mass Minimum [mg/m3]		0.025
Mass Maximum [mg/m3]		0.136
Mass TWA [mg/m3]		0.038
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		494

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.054	
120		0.053	
180		0.054	
240		0.054	
300		0.055	
360		0.056	
420		0.054	
480		0.053	
540		0.052	
600		0.049	
660		0.048	
720		0.047	
780		0.048	
840		0.048	
900		0.047	
960		0.046	
1020		0.047	
1080		0.048	
1140		0.047	
1200		0.048	
1260		0.047	
1320		0.047	
1380		0.047	
1440		0.048	
1500		0.048	
1560		0.048	
1620		0.048	
1680		0.048	
1740		0.048	
1800		0.048	

1860	0.049
1920	0.049
1980	0.048
2040	0.049
2100	0.048
2160	0.048
2220	0.048
2280	0.047
2340	0.047
2400	0.046
2460	0.046
2520	0.047
2580	0.046
2640	0.045
2700	0.045
2760	0.045
2820	0.046
2880	0.046
2940	0.045
3000	0.045
3060	0.046
3120	0.044
3180	0.043
3240	0.043
3300	0.043
3360	0.044
3420	0.044
3480	0.044
3540	0.045
3600	0.045
3660	0.045
3720	0.043
3780	0.042
3840	0.042
3900	0.042
3960	0.042
4020	0.042
4080	0.041
4140	0.039
4200	0.038
4260	0.039
4320	0.04
4380	0.04
4440	0.04
4500	0.04
4560	0.04
4620	0.04
4680	0.04
4740	0.039
4800	0.039

4860	0.039
4920	0.042
4980	0.041
5040	0.041
5100	0.041
5160	0.041
5220	0.042
5280	0.042
5340	0.042
5400	0.041
5460	0.041
5520	0.042
5580	0.042
5640	0.042
5700	0.042
5760	0.043
5820	0.043
5880	0.043
5940	0.043
6000	0.043
6060	0.044
6120	0.045
6180	0.044
6240	0.043
6300	0.043
6360	0.043
6420	0.043
6480	0.043
6540	0.042
6600	0.042
6660	0.042
6720	0.041
6780	0.042
6840	0.042
6900	0.042
6960	0.043
7020	0.042
7080	0.04
7140	0.038
7200	0.038
7260	0.036
7320	0.035
7380	0.035
7440	0.035
7500	0.037
7560	0.038
7620	0.037
7680	0.036
7740	0.034
7800	0.034

7860	0.035
7920	0.034
7980	0.035
8040	0.054
8100	0.033
8160	0.031
8220	0.031
8280	0.033
8340	0.033
8400	0.033
8460	0.031
8520	0.031
8580	0.031
8640	0.031
8700	0.03
8760	0.03
8820	0.028
8880	0.029
8940	0.03
9000	0.029
9060	0.028
9120	0.028
9180	0.029
9240	0.029
9300	0.029
9360	0.029
9420	0.029
9480	0.029
9540	0.029
9600	0.028
9660	0.026
9720	0.026
9780	0.029
9840	0.028
9900	0.028
9960	0.047
10020	0.067
10080	0.04
10140	0.046
10200	0.034
10260	0.04
10320	0.04
10380	0.03
10440	0.03
10500	0.03
10560	0.03
10620	0.03
10680	0.03
10740	0.031
10800	0.03

10860	0.031
10920	0.032
10980	0.032
11040	0.029
11100	0.029
11160	0.03
11220	0.031
11280	0.03
11340	0.028
11400	0.028
11460	0.029
11520	0.029
11580	0.029
11640	0.029
11700	0.029
11760	0.028
11820	0.028
11880	0.03
11940	0.03
12000	0.03
12060	0.03
12120	0.029
12180	0.028
12240	0.029
12300	0.028
12360	0.028
12420	0.029
12480	0.029
12540	0.03
12600	0.029
12660	0.029
12720	0.03
12780	0.03
12840	0.03
12900	0.033
12960	0.033
13020	0.036
13080	0.036
13140	0.037
13200	0.036
13260	0.036
13320	0.037
13380	0.037
13440	0.037
13500	0.037
13560	0.037
13620	0.037
13680	0.037
13740	0.036
13800	0.037

13860	0.036
13920	0.037
13980	0.038
14040	0.038
14100	0.038
14160	0.037
14220	0.038
14280	0.039
14340	0.04
14400	0.039
14460	0.038
14520	0.038
14580	0.038
14640	0.041
14700	0.042
14760	0.04
14820	0.037
14880	0.038
14940	0.037
15000	0.035
15060	0.033
15120	0.032
15180	0.033
15240	0.032
15300	0.033
15360	0.033
15420	0.034
15480	0.038
15540	0.04
15600	0.037
15660	0.035
15720	0.034
15780	0.034
15840	0.034
15900	0.034
15960	0.034
16020	0.034
16080	0.034
16140	0.034
16200	0.033
16260	0.033
16320	0.033
16380	0.032
16440	0.033
16500	0.032
16560	0.031
16620	0.03
16680	0.031
16740	0.031
16800	0.031

16860	0.032
16920	0.032
16980	0.072
17040	0.034
17100	0.033
17160	0.036
17220	0.031
17280	0.03
17340	0.031
17400	0.031
17460	0.033
17520	0.033
17580	0.032
17640	0.035
17700	0.033
17760	0.033
17820	0.031
17880	0.034
17940	0.034
18000	0.032
18060	0.03
18120	0.031
18180	0.033
18240	0.041
18300	0.038
18360	0.035
18420	0.04
18480	0.045
18540	0.034
18600	0.045
18660	0.036
18720	0.035
18780	0.029
18840	0.032
18900	0.033
18960	0.033
19020	0.03
19080	0.029
19140	0.036
19200	0.029
19260	0.031
19320	0.031
19380	0.03
19440	0.032
19500	0.036
19560	0.032
19620	0.031
19680	0.033
19740	0.04
19800	0.061

19860	0.034
19920	0.03
19980	0.033
20040	0.033
20100	0.032
20160	0.034
20220	0.058
20280	0.046
20340	0.032
20400	0.031
20460	0.032
20520	0.032
20580	0.032
20640	0.041
20700	0.053
20760	0.047
20820	0.037
20880	0.043
20940	0.044
21000	0.05
21060	0.051
21120	0.116
21180	0.032
21240	0.03
21300	0.032
21360	0.04
21420	0.048
21480	0.03
21540	0.048
21600	0.028
21660	0.029
21720	0.03
21780	0.032
21840	0.031
21900	0.031
21960	0.03
22020	0.03
22080	0.029
22140	0.029
22200	0.029
22260	0.029
22320	0.029
22380	0.029
22440	0.029
22500	0.029
22560	0.033
22620	0.029
22680	0.048
22740	0.028
22800	0.026

22860	0.026
22920	0.026
22980	0.025
23040	0.026
23100	0.028
23160	0.027
23220	0.028
23280	0.033
23340	0.028
23400	0.028
23460	0.033
23520	0.087
23580	0.036
23640	0.039
23700	0.037
23760	0.042
23820	0.033
23880	0.045
23940	0.04
24000	0.056
24060	0.053
24120	0.03
24180	0.035
24240	0.029
24300	0.031
24360	0.029
24420	0.029
24480	0.029
24540	0.031
24600	0.032
24660	0.033
24720	0.047
24780	0.037
24840	0.033
24900	0.034
24960	0.03
25020	0.043
25080	0.036
25140	0.031
25200	0.03
25260	0.07
25320	0.078
25380	0.031
25440	0.039
25500	0.042
25560	0.059
25620	0.078
25680	0.064
25740	0.043
25800	0.045

25860	0.032
25920	0.051
25980	0.086
26040	0.061
26100	0.067
26160	0.042
26220	0.051
26280	0.067
26340	0.073
26400	0.036
26460	0.136
26520	0.049
26580	0.065
26640	0.043
26700	0.041
26760	0.045
26820	0.033
26880	0.034
26940	0.04
27000	0.033
27060	0.033
27120	0.033
27180	0.043
27240	0.033
27300	0.033
27360	0.033
27420	0.033
27480	0.033
27540	0.033
27600	0.033
27660	0.033
27720	0.034
27780	0.034
27840	0.033
27900	0.033
27960	0.034
28020	0.033
28080	0.034
28140	0.034
28200	0.034
28260	0.034
28320	0.035
28380	0.035
28440	0.035
28500	0.035
28560	0.035
28620	0.035
28680	0.035
28740	0.035
28800	0.036

28860	0.036
28920	0.036
28980	0.036
29040	0.036
29100	0.036
29160	0.036
29220	0.036
29280	0.036
29340	0.036
29400	0.036
29460	0.036
29520	0.036
29580	0.036
29640	0.036

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_008	
Test Start Time		7:38:09 AM
Test Start Date		11/15/2017
Test Length [D:H:M]		0:07:48
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.027
Mass Minimum [mg/m3]		0.01
Mass Maximum [mg/m3]		0.181
Mass TWA [mg/m3]		0.026
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		468

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.064	
120		0.06	
180		0.063	
240		0.089	
300		0.069	
360		0.067	
420		0.069	
480		0.069	
540		0.072	
600		0.1	
660		0.077	
720		0.075	
780		0.069	
840		0.069	
900		0.068	
960		0.067	
1020		0.068	
1080		0.067	
1140		0.066	
1200		0.065	
1260		0.065	
1320		0.066	
1380		0.067	
1440		0.065	
1500		0.064	
1560		0.064	
1620		0.062	
1680		0.061	
1740		0.061	
1800		0.061	

1860	0.061
1920	0.06
1980	0.059
2040	0.059
2100	0.059
2160	0.059
2220	0.061
2280	0.061
2340	0.057
2400	0.055
2460	0.056
2520	0.055
2580	0.053
2640	0.052
2700	0.052
2760	0.052
2820	0.051
2880	0.049
2940	0.05
3000	0.048
3060	0.048
3120	0.048
3180	0.046
3240	0.046
3300	0.045
3360	0.045
3420	0.045
3480	0.045
3540	0.045
3600	0.044
3660	0.044
3720	0.045
3780	0.045
3840	0.044
3900	0.044
3960	0.045
4020	0.047
4080	0.081
4140	0.052
4200	0.044
4260	0.043
4320	0.066
4380	0.06
4440	0.079
4500	0.181
4560	0.05
4620	0.044
4680	0.044
4740	0.044
4800	0.045

4860	0.046
4920	0.054
4980	0.047
5040	0.045
5100	0.045
5160	0.045
5220	0.045
5280	0.045
5340	0.047
5400	0.045
5460	0.05
5520	0.048
5580	0.047
5640	0.044
5700	0.043
5760	0.042
5820	0.041
5880	0.041
5940	0.041
6000	0.041
6060	0.041
6120	0.039
6180	0.038
6240	0.039
6300	0.038
6360	0.038
6420	0.038
6480	0.038
6540	0.038
6600	0.038
6660	0.038
6720	0.037
6780	0.038
6840	0.038
6900	0.037
6960	0.037
7020	0.039
7080	0.037
7140	0.037
7200	0.038
7260	0.037
7320	0.038
7380	0.037
7440	0.035
7500	0.035
7560	0.035
7620	0.036
7680	0.036
7740	0.034
7800	0.034

7860	0.033
7920	0.034
7980	0.033
8040	0.033
8100	0.033
8160	0.033
8220	0.034
8280	0.039
8340	0.036
8400	0.032
8460	0.033
8520	0.031
8580	0.031
8640	0.031
8700	0.031
8760	0.032
8820	0.032
8880	0.032
8940	0.03
9000	0.029
9060	0.03
9120	0.029
9180	0.029
9240	0.029
9300	0.028
9360	0.03
9420	0.03
9480	0.03
9540	0.031
9600	0.03
9660	0.03
9720	0.027
9780	0.027
9840	0.028
9900	0.027
9960	0.028
10020	0.029
10080	0.028
10140	0.028
10200	0.028
10260	0.028
10320	0.028
10380	0.028
10440	0.027
10500	0.025
10560	0.024
10620	0.024
10680	0.025
10740	0.025
10800	0.024

10860	0.023
10920	0.024
10980	0.024
11040	0.024
11100	0.025
11160	0.026
11220	0.025
11280	0.025
11340	0.024
11400	0.024
11460	0.025
11520	0.024
11580	0.024
11640	0.026
11700	0.025
11760	0.023
11820	0.023
11880	0.023
11940	0.023
12000	0.024
12060	0.023
12120	0.023
12180	0.024
12240	0.023
12300	0.023
12360	0.023
12420	0.022
12480	0.021
12540	0.021
12600	0.021
12660	0.02
12720	0.019
12780	0.018
12840	0.018
12900	0.017
12960	0.016
13020	0.016
13080	0.014
13140	0.014
13200	0.014
13260	0.015
13320	0.015
13380	0.014
13440	0.013
13500	0.013
13560	0.014
13620	0.015
13680	0.016
13740	0.015
13800	0.014

13860	0.014
13920	0.013
13980	0.014
14040	0.014
14100	0.014
14160	0.015
14220	0.015
14280	0.015
14340	0.016
14400	0.015
14460	0.014
14520	0.015
14580	0.015
14640	0.016
14700	0.015
14760	0.015
14820	0.014
14880	0.014
14940	0.014
15000	0.014
15060	0.014
15120	0.016
15180	0.016
15240	0.015
15300	0.015
15360	0.015
15420	0.015
15480	0.014
15540	0.014
15600	0.015
15660	0.015
15720	0.015
15780	0.015
15840	0.014
15900	0.015
15960	0.015
16020	0.015
16080	0.018
16140	0.02
16200	0.026
16260	0.014
16320	0.014
16380	0.015
16440	0.014
16500	0.014
16560	0.013
16620	0.014
16680	0.014
16740	0.014
16800	0.015

16860	0.015
16920	0.015
16980	0.015
17040	0.014
17100	0.015
17160	0.015
17220	0.014
17280	0.014
17340	0.014
17400	0.014
17460	0.014
17520	0.015
17580	0.015
17640	0.015
17700	0.015
17760	0.015
17820	0.015
17880	0.015
17940	0.015
18000	0.014
18060	0.014
18120	0.013
18180	0.013
18240	0.014
18300	0.014
18360	0.014
18420	0.015
18480	0.015
18540	0.014
18600	0.014
18660	0.014
18720	0.013
18780	0.013
18840	0.014
18900	0.013
18960	0.015
19020	0.014
19080	0.014
19140	0.013
19200	0.014
19260	0.014
19320	0.013
19380	0.018
19440	0.014
19500	0.012
19560	0.012
19620	0.012
19680	0.012
19740	0.012
19800	0.012

19860	0.012
19920	0.012
19980	0.012
20040	0.012
20100	0.012
20160	0.012
20220	0.012
20280	0.012
20340	0.012
20400	0.012
20460	0.012
20520	0.011
20580	0.011
20640	0.012
20700	0.011
20760	0.011
20820	0.011
20880	0.011
20940	0.011
21000	0.011
21060	0.01
21120	0.01
21180	0.011
21240	0.011
21300	0.011
21360	0.011
21420	0.011
21480	0.011
21540	0.011
21600	0.011
21660	0.011
21720	0.011
21780	0.011
21840	0.011
21900	0.011
21960	0.011
22020	0.011
22080	0.012
22140	0.012
22200	0.012
22260	0.012
22320	0.012
22380	0.012
22440	0.012
22500	0.012
22560	0.012
22620	0.012
22680	0.012
22740	0.012
22800	0.011

22860	0.011
22920	0.011
22980	0.012
23040	0.012
23100	0.012
23160	0.012
23220	0.012
23280	0.012
23340	0.012
23400	0.013
23460	0.013
23520	0.013
23580	0.012
23640	0.013
23700	0.012
23760	0.012
23820	0.012
23880	0.012
23940	0.013
24000	0.014
24060	0.013
24120	0.013
24180	0.013
24240	0.012
24300	0.013
24360	0.012
24420	0.013
24480	0.015
24540	0.013
24600	0.013
24660	0.013
24720	0.013
24780	0.013
24840	0.014
24900	0.013
24960	0.013
25020	0.013
25080	0.013
25140	0.014
25200	0.013
25260	0.012
25320	0.012
25380	0.012
25440	0.012
25500	0.013
25560	0.012
25620	0.012
25680	0.013
25740	0.013
25800	0.013

25860	0.013
25920	0.013
25980	0.013
26040	0.013
26100	0.013
26160	0.013
26220	0.013
26280	0.013
26340	0.013
26400	0.012
26460	0.012
26520	0.012
26580	0.012
26640	0.012
26700	0.012
26760	0.012
26820	0.013
26880	0.014
26940	0.013
27000	0.015
27060	0.013
27120	0.013
27180	0.012
27240	0.012
27300	0.012
27360	0.012
27420	0.013
27480	0.012
27540	0.012
27600	0.012
27660	0.012
27720	0.012
27780	0.012
27840	0.012
27900	0.012
27960	0.012
28020	0.012
28080	0.012

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151509
Firmware Version	3.3
Calibration Date	4/8/2015
Test Name	MANUAL_009
Test Start Time	7:32:59 AM
Test Start Date	11/16/2017
Test Length [D:H:M]	0:08:41
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.001
Mass Maximum [mg/m3]	0.044
Mass TWA [mg/m3]	0.006
Photometric User Cal	0.9
Flow User Cal	0
Errors	
Number of Samples	521

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.014	
120		0.011	
180		0.011	
240		0.011	
300		0.009	
360		0.009	
420		0.009	
480		0.009	
540		0.009	
600		0.009	
660		0.009	
720		0.009	
780		0.009	
840		0.009	
900		0.009	
960		0.01	
1020		0.01	
1080		0.01	
1140		0.01	
1200		0.01	
1260		0.01	
1320		0.01	
1380		0.01	
1440		0.01	
1500		0.01	
1560		0.01	
1620		0.01	
1680		0.01	
1740		0.01	
1800		0.01	

1860	0.011
1920	0.01
1980	0.01
2040	0.011
2100	0.013
2160	0.012
2220	0.013
2280	0.014
2340	0.015
2400	0.014
2460	0.015
2520	0.012
2580	0.014
2640	0.037
2700	0.044
2760	0.013
2820	0.013
2880	0.013
2940	0.013
3000	0.013
3060	0.013
3120	0.013
3180	0.011
3240	0.011
3300	0.01
3360	0.011
3420	0.01
3480	0.013
3540	0.013
3600	0.02
3660	0.031
3720	0.019
3780	0.038
3840	0.011
3900	0.01
3960	0.012
4020	0.013
4080	0.013
4140	0.018
4200	0.011
4260	0.013
4320	0.024
4380	0.021
4440	0.018
4500	0.043
4560	0.013
4620	0.012
4680	0.014
4740	0.012
4800	0.014

4860	0.013
4920	0.014
4980	0.011
5040	0.011
5100	0.013
5160	0.017
5220	0.013
5280	0.011
5340	0.014
5400	0.011
5460	0.013
5520	0.014
5580	0.01
5640	0.011
5700	0.012
5760	0.012
5820	0.011
5880	0.011
5940	0.011
6000	0.012
6060	0.012
6120	0.011
6180	0.012
6240	0.012
6300	0.011
6360	0.01
6420	0.011
6480	0.01
6540	0.011
6600	0.011
6660	0.012
6720	0.012
6780	0.015
6840	0.016
6900	0.014
6960	0.011
7020	0.012
7080	0.012
7140	0.012
7200	0.012
7260	0.01
7320	0.011
7380	0.011
7440	0.011
7500	0.011
7560	0.01
7620	0.011
7680	0.011
7740	0.011
7800	0.01

7860	0.011
7920	0.011
7980	0.011
8040	0.011
8100	0.011
8160	0.011
8220	0.011
8280	0.011
8340	0.011
8400	0.013
8460	0.012
8520	0.011
8580	0.011
8640	0.013
8700	0.013
8760	0.012
8820	0.012
8880	0.012
8940	0.012
9000	0.011
9060	0.011
9120	0.011
9180	0.011
9240	0.011
9300	0.01
9360	0.01
9420	0.01
9480	0.009
9540	0.009
9600	0.008
9660	0.008
9720	0.007
9780	0.007
9840	0.007
9900	0.006
9960	0.005
10020	0.004
10080	0.004
10140	0.004
10200	0.004
10260	0.004
10320	0.004
10380	0.003
10440	0.003
10500	0.003
10560	0.003
10620	0.003
10680	0.003
10740	0.003
10800	0.003

10860	0.003
10920	0.002
10980	0.002
11040	0.002
11100	0.002
11160	0.002
11220	0.002
11280	0.002
11340	0.002
11400	0.002
11460	0.002
11520	0.002
11580	0.002
11640	0.002
11700	0.002
11760	0.002
11820	0.002
11880	0.002
11940	0.002
12000	0.002
12060	0.002
12120	0.002
12180	0.002
12240	0.002
12300	0.002
12360	0.002
12420	0.002
12480	0.002
12540	0.002
12600	0.002
12660	0.002
12720	0.002
12780	0.002
12840	0.003
12900	0.002
12960	0.002
13020	0.002
13080	0.002
13140	0.002
13200	0.002
13260	0.002
13320	0.002
13380	0.003
13440	0.003
13500	0.003
13560	0.003
13620	0.003
13680	0.004
13740	0.003
13800	0.003

13860	0.003
13920	0.003
13980	0.003
14040	0.004
14100	0.003
14160	0.003
14220	0.003
14280	0.003
14340	0.003
14400	0.003
14460	0.003
14520	0.002
14580	0.002
14640	0.002
14700	0.002
14760	0.002
14820	0.002
14880	0.002
14940	0.002
15000	0.002
15060	0.002
15120	0.002
15180	0.003
15240	0.003
15300	0.002
15360	0.002
15420	0.003
15480	0.003
15540	0.003
15600	0.003
15660	0.004
15720	0.003
15780	0.005
15840	0.002
15900	0.002
15960	0.002
16020	0.002
16080	0.002
16140	0.005
16200	0.001
16260	0.001
16320	0.002
16380	0.002
16440	0.002
16500	0.002
16560	0.002
16620	0.002
16680	0.002
16740	0.002
16800	0.003

16860	0.002
16920	0.002
16980	0.002
17040	0.001
17100	0.001
17160	0.001
17220	0.001
17280	0.001
17340	0.001
17400	0.002
17460	0.001
17520	0.001
17580	0.002
17640	0.002
17700	0.002
17760	0.002
17820	0.002
17880	0.002
17940	0.002
18000	0.002
18060	0.002
18120	0.002
18180	0.002
18240	0.002
18300	0.003
18360	0.002
18420	0.003
18480	0.003
18540	0.003
18600	0.003
18660	0.003
18720	0.004
18780	0.004
18840	0.004
18900	0.003
18960	0.004
19020	0.003
19080	0.003
19140	0.004
19200	0.003
19260	0.003
19320	0.003
19380	0.003
19440	0.003
19500	0.003
19560	0.003
19620	0.004
19680	0.003
19740	0.003
19800	0.003

19860	0.004
19920	0.003
19980	0.003
20040	0.005
20100	0.003
20160	0.002
20220	0.005
20280	0.003
20340	0.002
20400	0.002
20460	0.002
20520	0.002
20580	0.002
20640	0.002
20700	0.002
20760	0.001
20820	0.002
20880	0.002
20940	0.002
21000	0.002
21060	0.002
21120	0.002
21180	0.002
21240	0.002
21300	0.003
21360	0.002
21420	0.002
21480	0.002
21540	0.002
21600	0.002
21660	0.002
21720	0.002
21780	0.002
21840	0.002
21900	0.002
21960	0.002
22020	0.002
22080	0.002
22140	0.002
22200	0.002
22260	0.002
22320	0.002
22380	0.002
22440	0.002
22500	0.002
22560	0.002
22620	0.002
22680	0.002
22740	0.002
22800	0.002

22860	0.002
22920	0.002
22980	0.002
23040	0.002
23100	0.002
23160	0.002
23220	0.002
23280	0.002
23340	0.002
23400	0.002
23460	0.002
23520	0.002
23580	0.002
23640	0.002
23700	0.002
23760	0.005
23820	0.002
23880	0.002
23940	0.002
24000	0.002
24060	0.002
24120	0.002
24180	0.002
24240	0.001
24300	0.002
24360	0.001
24420	0.002
24480	0.002
24540	0.002
24600	0.002
24660	0.002
24720	0.002
24780	0.002
24840	0.002
24900	0.002
24960	0.004
25020	0.003
25080	0.002
25140	0.003
25200	0.003
25260	0.004
25320	0.002
25380	0.002
25440	0.006
25500	0.005
25560	0.002
25620	0.002
25680	0.002
25740	0.005
25800	0.005

25860	0.002
25920	0.002
25980	0.002
26040	0.002
26100	0.002
26160	0.002
26220	0.002
26280	0.002
26340	0.003
26400	0.003
26460	0.004
26520	0.004
26580	0.002
26640	0.002
26700	0.002
26760	0.002
26820	0.002
26880	0.002
26940	0.002
27000	0.002
27060	0.003
27120	0.003
27180	0.003
27240	0.002
27300	0.002
27360	0.002
27420	0.002
27480	0.002
27540	0.002
27600	0.002
27660	0.002
27720	0.002
27780	0.002
27840	0.002
27900	0.003
27960	0.002
28020	0.002
28080	0.002
28140	0.002
28200	0.002
28260	0.003
28320	0.002
28380	0.002
28440	0.002
28500	0.002
28560	0.002
28620	0.002
28680	0.002
28740	0.003
28800	0.003

28860	0.003
28920	0.002
28980	0.003
29040	0.003
29100	0.002
29160	0.002
29220	0.003
29280	0.003
29340	0.003
29400	0.001
29460	0.002
29520	0.002
29580	0.003
29640	0.002
29700	0.002
29760	0.002
29820	0.002
29880	0.002
29940	0.003
30000	0.006
30060	0.001
30120	0.001
30180	0.002
30240	0.002
30300	0.001
30360	0.001
30420	0.001
30480	0.001
30540	0.001
30600	0.002
30660	0.001
30720	0.001
30780	0.001
30840	0.001
30900	0.001
30960	0.001
31020	0.001
31080	0.001
31140	0.001
31200	0.001
31260	0.001

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_010	
Test Start Time		6:37:40 AM
Test Start Date		11/17/2017
Test Length [D:H:M]		1:04:52
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.003
Mass Minimum [mg/m3]		0
Mass Maximum [mg/m3]		0.045
Mass TWA [mg/m3]		0
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		499

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.005	
120		0.005	
180		0.008	
240		0.011	
300		0.006	
360		0.002	
420		0.002	
480		0.003	
540		0.003	
600		0.003	
660		0.002	
720		0.002	
780		0.006	
840		0.002	
900		0.002	
960		0.002	
1020		0.002	
1080		0.002	
1140		0.002	
1200		0.002	
1260		0.002	
1320		0.002	
1380		0.002	
1440		0.002	
1500		0.002	
1560		0.002	
1620		0.002	
1680		0.002	
1740		0.002	
1800		0.002	

1860	0.002
1920	0.002
1980	0.002
2040	0.002
2100	0.002
2160	0.002
2220	0.002
2280	0.002
2340	0.002
2400	0.002
2460	0.002
2520	0.002
2580	0.002
2640	0.002
2700	0.012
2760	0.01
2820	0.006
2880	0.004
2940	0.003
3000	0.003
3060	0.003
3120	0.003
3180	0.003
3240	0.003
3300	0.003
3360	0.002
3420	0.003
3480	0.002
3540	0.003
3600	0.002
3660	0.002
3720	0.002
3780	0.002
3840	0.002
3900	0.002
3960	0.002
4020	0.002
4080	0.002
4140	0.002
4200	0.002
4260	0.002
4320	0.002
4380	0.002
4440	0.002
4500	0.002
4560	0.002
4620	0.002
4680	0.002
4740	0.002
4800	0.002

4860	0.002
4920	0.002
4980	0.002
5040	0.002
5100	0.002
5160	0.002
5220	0.002
5280	0.002
5340	0.003
5400	0.002
5460	0.002
5520	0.002
5580	0.002
5640	0.002
5700	0.003
5760	0.003
5820	0.002
5880	0.002
5940	0.002
6000	0.003
6060	0.002
6120	0.002
6180	0.002
6240	0.002
6300	0.002
6360	0.002
6420	0.002
6480	0.002
6540	0.002
6600	0.002
6660	0.008
6720	0.002
6780	0.002
6840	0.006
6900	0.002
6960	0.002
7020	0.002
7080	0.002
7140	0.002
7200	0.002
7260	0.002
7320	0.002
7380	0.002
7440	0.002
7500	0.002
7560	0.002
7620	0.004
7680	0.002
7740	0.002
7800	0.002

7860	0.007
7920	0.003
7980	0.002
8040	0.002
8100	0.002
8160	0.002
8220	0.002
8280	0.003
8340	0.002
8400	0.002
8460	0.002
8520	0.002
8580	0.002
8640	0.002
8700	0.002
8760	0.002
8820	0.002
8880	0.002
8940	0.002
9000	0.002
9060	0.002
9120	0.002
9180	0.002
9240	0.002
9300	0.003
9360	0.002
9420	0.002
9480	0.002
9540	0.002
9600	0.002
9660	0.003
9720	0.004
9780	0.031
9840	0.012
9900	0.007
9960	0.004
10020	0.005
10080	0.008
10140	0.011
10200	0.045
10260	0.026
10320	0.025
10380	0.014
10440	0.011
10500	0.013
10560	0.009
10620	0.017
10680	0.006
10740	0.004
10800	0.002

10860	0.002
10920	0.003
10980	0.003
11040	0.002
11100	0.002
11160	0.008
11220	0.011
11280	0.026
11340	0.015
11400	0.004
11460	0.014
11520	0.011
11580	0.016
11640	0.019
11700	0.007
11760	0.004
11820	0.002
11880	0.001
11940	0
12000	0.001
12060	0.001
12120	0.002
12180	0.001
12240	0.011
12300	0.007
12360	0.004
12420	0.006
12480	0.005
12540	0.001
12600	0.001
12660	0
12720	0.001
12780	0
12840	0.001
12900	0.002
12960	0.005
13020	0.003
13080	0.012
13140	0.002
13200	0.004
13260	0.011
13320	0.012
13380	0.009
13440	0.011
13500	0.006
13560	0.003
13620	0.005
13680	0.002
13740	0.001
13800	0.001

13860	0.005
13920	0.003
13980	0.002
14040	0.008
14100	0.002
14160	0.001
14220	0.002
14280	0.009
14340	0.005
14400	0.001
14460	0.001
14520	0.002
14580	0.008
14640	0.004
14700	0.002
14760	0.023
14820	0.003
14880	0.001
14940	0.001
15000	0.001
15060	0.001
15120	0.001
15180	0.001
15240	0.001
15300	0.001
15360	0.002
15420	0.001
15480	0.001
15540	0.001
15600	0.001
15660	0.001
15720	0.001
15780	0.003
15840	0.001
15900	0.002
15960	0.002
16020	0.002
16080	0.008
16140	0.025
16200	0.006
16260	0.007
16320	0.002
16380	0.005
16440	0.002
16500	0.001
16560	0.001
16620	0.003
16680	0.003
16740	0.002
16800	0.001

16860	0.003
16920	0.001
16980	0.003
17040	0.001
17100	0.001
17160	0.001
17220	0.018
17280	0.013
17340	0.003
17400	0.004
17460	0.007
17520	0.006
17580	0.004
17640	0.004
17700	0.006
17760	0.002
17820	0.002
17880	0.002
17940	0.001
18000	0.009
18060	0.001
18120	0
18180	0
18240	0.002
18300	0.001
18360	0.001
18420	0.001
18480	0.001
18540	0.004
18600	0.003
18660	0.001
18720	0.002
18780	0.001
18840	0
18900	0
18960	0
19020	0
19080	0
19140	0.003
19200	0.002
19260	0
19320	0
19380	0.001
19440	0.002
19500	0
19560	0
19620	0
19680	0.001
19740	0.007
19800	0.004

19860	0.003
19920	0
19980	0
20040	0.001
20100	0
20160	0.002
20220	0.002
20280	0.001
20340	0.002
20400	0.001
20460	0.001
20520	0
20580	0
20640	0.001
20700	0.001
20760	0
20820	0.001
20880	0.001
20940	0
21000	0
21060	0
21120	0.002
21180	0.001
21240	0
21300	0
21360	0
21420	0.004
21480	0.001
21540	0
21600	0
21660	0.002
21720	0.003
21780	0.002
21840	0
21900	0
21960	0
22020	0
22080	0.005
22140	0.001
22200	0
22260	0.002
22320	0
22380	0
22440	0
22500	0.001
22560	0
22620	0
22680	0
22740	0.006
22800	0.001

22860	0
22920	0.032
22980	0.009
23040	0.001
23100	0
23160	0
23220	0
23280	0.002
23340	0
23400	0
23460	0
23520	0.003
23580	0
23640	0
23700	0
23760	0.001
23820	0.002
23880	0
23940	0
24000	0
24060	0
24120	0.002
24180	0.028
24240	0.008
24300	0
24360	0
24420	0
24480	0
24540	0
24600	0
24660	0
24720	0.002
24780	0
24840	0
24900	0.005
24960	0.012
25020	0
25080	0
25140	0.004
25200	0.002
25260	0
25320	0
25380	0
25440	0
25500	0
25560	0.002
25620	0.044
25680	0.001
25740	0
25800	0

25860	0
25920	0
25980	0
26040	0
26100	0
26160	0
26220	0
26280	0
26340	0
26400	0
26460	0
26520	0
26580	0.017
26640	0.004
26700	0
26760	0
26820	0
26880	0
26940	0
27000	0
27060	0
27120	0.003
27180	0
27240	0.012
27300	0.002
27360	0
27420	0
27480	0
27540	0
27600	0
27660	0
27720	0
27780	0
27840	0
27900	0
27960	0
28020	0
28080	0
28140	0.001
28200	0
28260	0
28320	0
28380	0
28440	0
28500	0
28560	0
28620	0
28680	0
28740	0
28800	0

28860	0
28920	0.001
28980	0.002
29040	0.001
29100	0.003
29160	0.003
29220	0.001
29280	0.001
29340	0.001
29400	0.001
29460	0.001
29520	0.001
29580	0.001
29640	0.001
29700	0.009
29760	0.014
29820	0.01
29880	0.014
103938	0

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_011	
Test Start Time		7:32:59 AM
Test Start Date		11/20/2017
Test Length [D:H:M]		0:08:27
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.015
Mass Minimum [mg/m3]		0.001
Mass Maximum [mg/m3]		0.063
Mass TWA [mg/m3]		0.015
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		507

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.013	
120		0.036	
180		0.005	
240		0.003	
300		0.002	
360		0.001	
420		0.001	
480		0.001	
540		0.001	
600		0.001	
660		0.001	
720		0.001	
780		0.001	
840		0.001	
900		0.001	
960		0.001	
1020		0.001	
1080		0.002	
1140		0.002	
1200		0.002	
1260		0.002	
1320		0.002	
1380		0.002	
1440		0.002	
1500		0.002	
1560		0.003	
1620		0.003	
1680		0.003	
1740		0.003	
1800		0.003	

1860	0.003
1920	0.003
1980	0.003
2040	0.003
2100	0.003
2160	0.004
2220	0.004
2280	0.004
2340	0.005
2400	0.004
2460	0.004
2520	0.004
2580	0.004
2640	0.005
2700	0.005
2760	0.005
2820	0.005
2880	0.005
2940	0.005
3000	0.005
3060	0.006
3120	0.005
3180	0.006
3240	0.005
3300	0.005
3360	0.005
3420	0.005
3480	0.007
3540	0.005
3600	0.007
3660	0.007
3720	0.007
3780	0.007
3840	0.007
3900	0.007
3960	0.007
4020	0.007
4080	0.009
4140	0.011
4200	0.008
4260	0.007
4320	0.007
4380	0.006
4440	0.006
4500	0.007
4560	0.007
4620	0.008
4680	0.009
4740	0.007
4800	0.007

4860	0.007
4920	0.008
4980	0.008
5040	0.008
5100	0.007
5160	0.008
5220	0.008
5280	0.008
5340	0.009
5400	0.008
5460	0.009
5520	0.007
5580	0.007
5640	0.008
5700	0.008
5760	0.007
5820	0.008
5880	0.008
5940	0.008
6000	0.008
6060	0.008
6120	0.008
6180	0.008
6240	0.008
6300	0.008
6360	0.008
6420	0.008
6480	0.008
6540	0.008
6600	0.008
6660	0.008
6720	0.008
6780	0.009
6840	0.009
6900	0.009
6960	0.01
7020	0.009
7080	0.009
7140	0.009
7200	0.009
7260	0.009
7320	0.009
7380	0.009
7440	0.009
7500	0.013
7560	0.01
7620	0.009
7680	0.009
7740	0.009
7800	0.01

7860	0.01
7920	0.01
7980	0.011
8040	0.009
8100	0.009
8160	0.01
8220	0.01
8280	0.059
8340	0.063
8400	0.014
8460	0.011
8520	0.009
8580	0.01
8640	0.01
8700	0.01
8760	0.011
8820	0.01
8880	0.01
8940	0.01
9000	0.01
9060	0.011
9120	0.011
9180	0.01
9240	0.01
9300	0.011
9360	0.011
9420	0.01
9480	0.01
9540	0.011
9600	0.011
9660	0.01
9720	0.011
9780	0.012
9840	0.01
9900	0.011
9960	0.011
10020	0.01
10080	0.011
10140	0.011
10200	0.011
10260	0.011
10320	0.012
10380	0.01
10440	0.011
10500	0.012
10560	0.011
10620	0.012
10680	0.012
10740	0.015
10800	0.011

10860	0.011
10920	0.011
10980	0.011
11040	0.011
11100	0.011
11160	0.012
11220	0.011
11280	0.012
11340	0.012
11400	0.012
11460	0.014
11520	0.012
11580	0.012
11640	0.012
11700	0.012
11760	0.012
11820	0.012
11880	0.013
11940	0.012
12000	0.013
12060	0.013
12120	0.013
12180	0.013
12240	0.013
12300	0.013
12360	0.013
12420	0.013
12480	0.013
12540	0.013
12600	0.013
12660	0.013
12720	0.013
12780	0.013
12840	0.013
12900	0.013
12960	0.014
13020	0.013
13080	0.013
13140	0.013
13200	0.013
13260	0.013
13320	0.013
13380	0.013
13440	0.013
13500	0.014
13560	0.014
13620	0.014
13680	0.014
13740	0.014
13800	0.014

13860	0.014
13920	0.014
13980	0.014
14040	0.014
14100	0.014
14160	0.014
14220	0.014
14280	0.014
14340	0.014
14400	0.014
14460	0.014
14520	0.014
14580	0.014
14640	0.014
14700	0.015
14760	0.015
14820	0.014
14880	0.014
14940	0.014
15000	0.014
15060	0.014
15120	0.014
15180	0.014
15240	0.014
15300	0.014
15360	0.015
15420	0.014
15480	0.014
15540	0.015
15600	0.015
15660	0.015
15720	0.015
15780	0.015
15840	0.014
15900	0.015
15960	0.016
16020	0.014
16080	0.014
16140	0.014
16200	0.014
16260	0.014
16320	0.014
16380	0.015
16440	0.015
16500	0.015
16560	0.015
16620	0.014
16680	0.014
16740	0.014
16800	0.015

16860	0.014
16920	0.014
16980	0.016
17040	0.015
17100	0.016
17160	0.016
17220	0.016
17280	0.016
17340	0.016
17400	0.015
17460	0.016
17520	0.016
17580	0.017
17640	0.015
17700	0.015
17760	0.015
17820	0.015
17880	0.016
17940	0.015
18000	0.015
18060	0.015
18120	0.015
18180	0.016
18240	0.025
18300	0.027
18360	0.021
18420	0.017
18480	0.017
18540	0.017
18600	0.016
18660	0.016
18720	0.016
18780	0.016
18840	0.016
18900	0.016
18960	0.016
19020	0.016
19080	0.016
19140	0.016
19200	0.016
19260	0.016
19320	0.016
19380	0.016
19440	0.017
19500	0.017
19560	0.016
19620	0.017
19680	0.017
19740	0.016
19800	0.017

19860	0.017
19920	0.017
19980	0.017
20040	0.017
20100	0.017
20160	0.017
20220	0.017
20280	0.017
20340	0.018
20400	0.018
20460	0.017
20520	0.017
20580	0.017
20640	0.018
20700	0.018
20760	0.018
20820	0.018
20880	0.018
20940	0.018
21000	0.019
21060	0.019
21120	0.018
21180	0.018
21240	0.018
21300	0.018
21360	0.019
21420	0.019
21480	0.019
21540	0.019
21600	0.019
21660	0.02
21720	0.02
21780	0.02
21840	0.02
21900	0.02
21960	0.02
22020	0.021
22080	0.021
22140	0.021
22200	0.021
22260	0.021
22320	0.021
22380	0.021
22440	0.021
22500	0.022
22560	0.022
22620	0.022
22680	0.022
22740	0.022
22800	0.022

22860	0.022
22920	0.022
22980	0.022
23040	0.022
23100	0.022
23160	0.023
23220	0.022
23280	0.023
23340	0.023
23400	0.023
23460	0.024
23520	0.023
23580	0.023
23640	0.023
23700	0.023
23760	0.024
23820	0.023
23880	0.023
23940	0.023
24000	0.024
24060	0.023
24120	0.023
24180	0.023
24240	0.024
24300	0.024
24360	0.024
24420	0.024
24480	0.024
24540	0.024
24600	0.025
24660	0.024
24720	0.025
24780	0.024
24840	0.024
24900	0.024
24960	0.024
25020	0.024
25080	0.024
25140	0.024
25200	0.024
25260	0.024
25320	0.024
25380	0.024
25440	0.024
25500	0.024
25560	0.024
25620	0.025
25680	0.025
25740	0.025
25800	0.025

25860	0.025
25920	0.025
25980	0.025
26040	0.025
26100	0.025
26160	0.025
26220	0.025
26280	0.025
26340	0.025
26400	0.025
26460	0.026
26520	0.026
26580	0.026
26640	0.026
26700	0.026
26760	0.026
26820	0.027
26880	0.027
26940	0.027
27000	0.027
27060	0.028
27120	0.027
27180	0.026
27240	0.025
27300	0.025
27360	0.025
27420	0.025
27480	0.025
27540	0.025
27600	0.025
27660	0.025
27720	0.025
27780	0.025
27840	0.025
27900	0.024
27960	0.025
28020	0.024
28080	0.024
28140	0.024
28200	0.024
28260	0.024
28320	0.023
28380	0.023
28440	0.023
28500	0.023
28560	0.023
28620	0.023
28680	0.023
28740	0.022
28800	0.023

28860	0.022
28920	0.022
28980	0.021
29040	0.022
29100	0.021
29160	0.023
29220	0.022
29280	0.022
29340	0.022
29400	0.021
29460	0.021
29520	0.021
29580	0.021
29640	0.022
29700	0.022
29760	0.026
29820	0.035
29880	0.031
29940	0.028
30000	0.026
30060	0.024
30120	0.022
30180	0.02
30240	0.02
30300	0.02
30360	0.02
30420	0.019

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_012	
Test Start Time		7:38:26 AM
Test Start Date		11/21/2017
Test Length [D:H:M]		0:14:27
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.002
Mass Minimum [mg/m3]		0
Mass Maximum [mg/m3]		0.078
Mass TWA [mg/m3]		0.003
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		867

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.007	
120		0.009	
180		0.009	
240		0.018	
300		0.021	
360		0.02	
420		0.013	
480		0.014	
540		0.011	
600		0.01	
660		0.009	
720		0.008	
780		0.007	
840		0.007	
900		0.007	
960		0.006	
1020		0.006	
1080		0.007	
1140		0.006	
1200		0.007	
1260		0.002	
1320		0.001	
1380		0.001	
1440		0.001	
1500		0.001	
1560		0.001	
1620		0.001	
1680		0.001	
1740		0.001	
1800		0.001	

1860	0.002
1920	0.05
1980	0.078
2040	0.039
2100	0.009
2160	0.002
2220	0.002
2280	0.002
2340	0.002
2400	0.017
2460	0.017
2520	0.002
2580	0.002
2640	0.002
2700	0.002
2760	0.002
2820	0.002
2880	0.002
2940	0.003
3000	0.002
3060	0.002
3120	0.005
3180	0.002
3240	0.002
3300	0.002
3360	0.003
3420	0.007
3480	0.01
3540	0.013
3600	0.005
3660	0.003
3720	0.009
3780	0.018
3840	0.014
3900	0.003
3960	0.003
4020	0.002
4080	0.003
4140	0.002
4200	0.003
4260	0.003
4320	0.02
4380	0.003
4440	0.008
4500	0.008
4560	0.018
4620	0.006
4680	0.005
4740	0.004
4800	0.003

4860	0.003
4920	0.004
4980	0.003
5040	0.003
5100	0.004
5160	0.003
5220	0.003
5280	0.007
5340	0.005
5400	0.003
5460	0.003
5520	0.002
5580	0.002
5640	0.002
5700	0.002
5760	0.002
5820	0.002
5880	0.002
5940	0.003
6000	0.003
6060	0.003
6120	0.008
6180	0.006
6240	0.003
6300	0.003
6360	0.003
6420	0.005
6480	0.003
6540	0.007
6600	0.003
6660	0.004
6720	0.013
6780	0.006
6840	0.004
6900	0.004
6960	0.006
7020	0.004
7080	0.003
7140	0.003
7200	0.01
7260	0.005
7320	0.002
7380	0.002
7440	0.003
7500	0.002
7560	0.002
7620	0.002
7680	0.002
7740	0.003
7800	0.003

7860	0.003
7920	0.002
7980	0.002
8040	0.002
8100	0.002
8160	0.002
8220	0.002
8280	0.002
8340	0.002
8400	0.003
8460	0.002
8520	0.002
8580	0.002
8640	0.002
8700	0.002
8760	0.002
8820	0.002
8880	0.002
8940	0.003
9000	0.004
9060	0.003
9120	0.002
9180	0.002
9240	0.002
9300	0.002
9360	0.002
9420	0.002
9480	0.002
9540	0.002
9600	0.002
9660	0.002
9720	0.002
9780	0.002
9840	0.002
9900	0.002
9960	0.002
10020	0.002
10080	0.002
10140	0.002
10200	0.002
10260	0.002
10320	0.002
10380	0.002
10440	0.002
10500	0.002
10560	0.002
10620	0.002
10680	0.002
10740	0.002
10800	0.002

10860	0.003
10920	0.002
10980	0.005
11040	0.003
11100	0.002
11160	0.002
11220	0.002
11280	0.002
11340	0.002
11400	0.002
11460	0.002
11520	0.002
11580	0.002
11640	0.002
11700	0.003
11760	0.002
11820	0.002
11880	0.002
11940	0.002
12000	0.002
12060	0.002
12120	0.001
12180	0.002
12240	0.001
12300	0.002
12360	0.002
12420	0.002
12480	0.002
12540	0.001
12600	0.001
12660	0.002
12720	0.001
12780	0.001
12840	0.001
12900	0.001
12960	0.001
13020	0.001
13080	0.01
13140	0.015
13200	0.002
13260	0.001
13320	0.001
13380	0.001
13440	0.001
13500	0.002
13560	0.001
13620	0.001
13680	0.001
13740	0.001
13800	0

13860	0.001
13920	0
13980	0.001
14040	0.001
14100	0.001
14160	0.001
14220	0
14280	0
14340	0
14400	0.005
14460	0.001
14520	0
14580	0
14640	0.001
14700	0
14760	0
14820	0
14880	0
14940	0.001
15000	0.001
15060	0
15120	0
15180	0
15240	0
15300	0.001
15360	0
15420	0
15480	0
15540	0.001
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	0.001
18960	0.001
19020	0.001
19080	0
19140	0
19200	0
19260	0.001
19320	0.001
19380	0
19440	0
19500	0
19560	0
19620	0
19680	0
19740	0
19800	0

19860	0
19920	0
19980	0
20040	0
20100	0
20160	0
20220	0
20280	0
20340	0
20400	0
20460	0
20520	0
20580	0.001
20640	0.001
20700	0.001
20760	0
20820	0.001
20880	0.022
20940	0.019
21000	0.037
21060	0.026
21120	0.001
21180	0.002
21240	0.001
21300	0.01
21360	0.059
21420	0.006
21480	0.002
21540	0.003
21600	0
21660	0
21720	0
21780	0
21840	0
21900	0.001
21960	0.001
22020	0.002
22080	0.002
22140	0.003
22200	0.002
22260	0.002
22320	0.002
22380	0.002
22440	0.003
22500	0.002
22560	0.002
22620	0.002
22680	0.002
22740	0.001
22800	0.001

22860	0.001
22920	0.001
22980	0.001
23040	0.001
23100	0.001
23160	0.012
23220	0.009
23280	0.012
23340	0.002
23400	0.005
23460	0.02
23520	0.009
23580	0.009
23640	0.042
23700	0.002
23760	0.013
23820	0.006
23880	0.001
23940	0.001
24000	0.013
24060	0.008
24120	0.014
24180	0.021
24240	0.008
24300	0.005
24360	0.001
24420	0.002
24480	0.001
24540	0.015
24600	0.003
24660	0.006
24720	0.001
24780	0.001
24840	0
24900	0
24960	0.007
25020	0.006
25080	0
25140	0.001
25200	0.008
25260	0
25320	0
25380	0
25440	0
25500	0.001
25560	0.001
25620	0.001
25680	0.001
25740	0
25800	0

25860	0
25920	0
25980	0.002
26040	0.001
26100	0
26160	0.001
26220	0.001
26280	0.003
26340	0.005
26400	0.001
26460	0.002
26520	0.001
26580	0.001
26640	0.001
26700	0.017
26760	0.02
26820	0.002
26880	0.001
26940	0.001
27000	0.001
27060	0.001
27120	0.003
27180	0.001
27240	0.001
27300	0.001
27360	0.001
27420	0.001
27480	0.001
27540	0.001
27600	0.001
27660	0.001
27720	0.002
27780	0.001
27840	0.002
27900	0.002
27960	0.001
28020	0.002
28080	0.001
28140	0.001
28200	0.001
28260	0.001
28320	0.001
28380	0.001
28440	0.001
28500	0.001
28560	0.001
28620	0.001
28680	0.001
28740	0.001
28800	0.001

28860	0.001
28920	0.001
28980	0.001
29040	0.001
29100	0.001
29160	0.001
29220	0.002
29280	0.001
29340	0.001
29400	0.003
29460	0.016
29520	0.015
29580	0.012
29640	0.006
29700	0.004
29760	0.003
29820	0.005
29880	0.005
29940	0.006
30000	0.006
30060	0.005
30120	0.005
30180	0.004
30240	0.004
30300	0.004
30360	0.004
30420	0.004
30480	0.004
30540	0.004
30600	0.003
30660	0.003
30720	0.003
30780	0.003
30840	0.003
30900	0.003
30960	0.003
31020	0.003
31080	0.002
31140	0.002
31200	0.002
31260	0.002
31320	0.002
31380	0.002
31440	0.002
31500	0.002
31560	0.002
31620	0.002
31680	0.002
31740	0.002
31800	0.001

31860	0.002
31920	0.001
31980	0.001
32040	0.001
32100	0.001
32160	0.001
32220	0.001
32280	0.001
32340	0.001
32400	0.001
32460	0.001
32520	0.001
32580	0.001
32640	0.001
32700	0.001
32760	0.001
32820	0.001
32880	0.001
32940	0.001
33000	0.001
33060	0
33120	0.001
33180	0
33240	0
33300	0.001
33360	0.001
33420	0.001
33480	0
33540	0
33600	0
33660	0
33720	0
33780	0
33840	0
33900	0
33960	0
34020	0
34080	0
34140	0
34200	0
34260	0
34320	0
34380	0
34440	0
34500	0
34560	0
34620	0
34680	0
34740	0
34800	0

34860	0
34920	0
34980	0
35040	0
35100	0
35160	0
35220	0
35280	0
35340	0
35400	0
35460	0
35520	0
35580	0
35640	0
35700	0
35760	0
35820	0
35880	0
35940	0
36000	0
36060	0
36120	0
36180	0
36240	0
36300	0
36360	0
36420	0
36480	0
36540	0
36600	0
36660	0
36720	0
36780	0
36840	0
36900	0
36960	0
37020	0
37080	0
37140	0
37200	0
37260	0
37320	0
37380	0
37440	0
37500	0
37560	0
37620	0
37680	0
37740	0
37800	0

37860	0
37920	0
37980	0
38040	0
38100	0
38160	0
38220	0
38280	0
38340	0
38400	0
38460	0
38520	0
38580	0
38640	0
38700	0
38760	0
38820	0
38880	0
38940	0
39000	0
39060	0
39120	0
39180	0
39240	0
39300	0
39360	0
39420	0
39480	0
39540	0
39600	0
39660	0
39720	0
39780	0
39840	0
39900	0
39960	0
40020	0
40080	0
40140	0
40200	0
40260	0
40320	0
40380	0
40440	0
40500	0
40560	0
40620	0
40680	0
40740	0
40800	0

40860	0
40920	0
40980	0
41040	0
41100	0
41160	0
41220	0
41280	0
41340	0
41400	0
41460	0
41520	0
41580	0
41640	0
41700	0
41760	0
41820	0
41880	0
41940	0
42000	0
42060	0
42120	0
42180	0
42240	0
42300	0
42360	0
42420	0
42480	0
42540	0
42600	0
42660	0
42720	0
42780	0
42840	0
42900	0
42960	0
43020	0
43080	0
43140	0
43200	0
43260	0
43320	0
43380	0
43440	0
43500	0
43560	0
43620	0
43680	0
43740	0
43800	0

43860	0
43920	0
43980	0
44040	0
44100	0
44160	0
44220	0
44280	0
44340	0
44400	0
44460	0
44520	0
44580	0
44640	0
44700	0
44760	0
44820	0
44880	0
44940	0
45000	0
45060	0
45120	0
45180	0
45240	0
45300	0
45360	0
45420	0
45480	0
45540	0
45600	0
45660	0
45720	0
45780	0
45840	0
45900	0
45960	0
46020	0
46080	0
46140	0
46200	0
46260	0
46320	0
46380	0
46440	0
46500	0
46560	0
46620	0
46680	0
46740	0
46800	0

46860	0
46920	0
46980	0
47040	0
47100	0
47160	0
47220	0
47280	0
47340	0
47400	0
47460	0
47520	0
47580	0
47640	0
47700	0
47760	0
47820	0
47880	0
47940	0
48000	0
48060	0
48120	0
48180	0
48240	0
48300	0
48360	0
48420	0
48480	0
48540	0
48600	0
48660	0
48720	0
48780	0
48840	0
48900	0
48960	0
49020	0
49080	0
49140	0
49200	0
49260	0
49320	0
49380	0
49440	0
49500	0
49560	0
49620	0
49680	0
49740	0
49800	0

49860	0
49920	0
49980	0
50040	0
50100	0
50160	0
50220	0
50280	0
50340	0
50400	0
50460	0
50520	0
50580	0
50640	0
50700	0
50760	0
50820	0
50880	0
50940	0
51000	0
51060	0
51120	0
51180	0
51240	0
51300	0
51360	0
51420	0
51480	0
51540	0
51600	0
51660	0
51720	0
51780	0
51840	0
51900	0
51960	0
52020	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151509
Firmware Version	3.3
Calibration Date	4/8/2015
Test Name	MANUAL_013
Test Start Time	7:30:49 AM
Test Start Date	11/22/2017
Test Length [D:H:M]	0:08:08
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	-0.001
Mass Maximum [mg/m3]	0.022
Mass TWA [mg/m3]	0.004
Photometric User Cal	0.9
Flow User Cal	0
Errors	
Number of Samples	488

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0	
120		0	
180		-0.001	
240		0	
300		0	
360		0	
420		0	
480		0	
540		0	
600		0	
660		0	
720		0	
780		-0.001	
840		-0.001	
900		-0.001	
960		-0.001	
1020		0	
1080		0	
1140		0	
1200		0	
1260		0	
1320		0	
1380		0	
1440		0.001	
1500		0.003	
1560		0.003	
1620		0.003	
1680		0.002	
1740		0.001	
1800		0.002	

1860	0.002
1920	0.003
1980	0.003
2040	0.002
2100	0.002
2160	0.001
2220	0.001
2280	0
2340	0
2400	0.001
2460	0.001
2520	0
2580	0
2640	0
2700	0
2760	0
2820	0.002
2880	0.002
2940	0.002
3000	0.002
3060	0.001
3120	0.002
3180	0.001
3240	0.001
3300	0
3360	0.002
3420	0
3480	0
3540	0
3600	0.003
3660	0.005
3720	0.004
3780	0.003
3840	0.003
3900	0.002
3960	0.001
4020	0.001
4080	0.001
4140	0.001
4200	0
4260	0
4320	0
4380	0
4440	0
4500	0
4560	0
4620	0
4680	0
4740	0
4800	0

4860	0.001
4920	0
4980	0.001
5040	0.001
5100	0.001
5160	0.001
5220	0.001
5280	0.001
5340	0.001
5400	0.001
5460	0.001
5520	0.002
5580	0.002
5640	0.002
5700	0.002
5760	0.002
5820	0.002
5880	0.003
5940	0.002
6000	0.002
6060	0.002
6120	0.002
6180	0.002
6240	0.002
6300	0.002
6360	0.002
6420	0.002
6480	0.002
6540	0.002
6600	0.002
6660	0.002
6720	0.002
6780	0.002
6840	0.002
6900	0.002
6960	0.003
7020	0.003
7080	0.002
7140	0.002
7200	0.003
7260	0.003
7320	0.003
7380	0.003
7440	0.003
7500	0.003
7560	0.003
7620	0.003
7680	0.003
7740	0.003
7800	0.003

7860	0.003
7920	0.003
7980	0.003
8040	0.004
8100	0.007
8160	0.003
8220	0.003
8280	0.003
8340	0.003
8400	0.01
8460	0.003
8520	0.007
8580	0.007
8640	0.004
8700	0.004
8760	0.005
8820	0.004
8880	0.003
8940	0.004
9000	0.004
9060	0.003
9120	0.007
9180	0.004
9240	0.003
9300	0.003
9360	0.003
9420	0.003
9480	0.003
9540	0.006
9600	0.007
9660	0.003
9720	0.003
9780	0.003
9840	0.003
9900	0.007
9960	0.003
10020	0.003
10080	0.003
10140	0.003
10200	0.003
10260	0.003
10320	0.003
10380	0.003
10440	0.003
10500	0.003
10560	0.003
10620	0.003
10680	0.003
10740	0.003
10800	0.003

10860	0.003
10920	0.003
10980	0.003
11040	0.003
11100	0.003
11160	0.003
11220	0.002
11280	0.002
11340	0.002
11400	0.002
11460	0.002
11520	0.002
11580	0.003
11640	0.003
11700	0.003
11760	0.003
11820	0.003
11880	0.003
11940	0.003
12000	0.003
12060	0.002
12120	0.002
12180	0.002
12240	0.004
12300	0.005
12360	0.002
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	0.002
13020	0.002
13080	0.003
13140	0.003
13200	0.003
13260	0.003
13320	0.003
13380	0.002
13440	0.002
13500	0.002
13560	0.002
13620	0.002
13680	0.003
13740	0.003
13800	0.003

13860	0.003
13920	0.003
13980	0.003
14040	0.003
14100	0.003
14160	0.003
14220	0.003
14280	0.003
14340	0.003
14400	0.003
14460	0.003
14520	0.003
14580	0.003
14640	0.004
14700	0.003
14760	0.003
14820	0.003
14880	0.004
14940	0.003
15000	0.003
15060	0.003
15120	0.003
15180	0.002
15240	0.002
15300	0.003
15360	0.003
15420	0.003
15480	0.003
15540	0.003
15600	0.003
15660	0.004
15720	0.004
15780	0.004
15840	0.004
15900	0.004
15960	0.004
16020	0.003
16080	0.002
16140	0.002
16200	0.002
16260	0.003
16320	0.003
16380	0.003
16440	0.003
16500	0.003
16560	0.002
16620	0.003
16680	0.003
16740	0.003
16800	0.003

16860	0.003
16920	0.003
16980	0.003
17040	0.003
17100	0.003
17160	0.003
17220	0.003
17280	0.003
17340	0.003
17400	0.003
17460	0.003
17520	0.003
17580	0.004
17640	0.004
17700	0.004
17760	0.004
17820	0.003
17880	0.003
17940	0.003
18000	0.003
18060	0.003
18120	0.004
18180	0.004
18240	0.004
18300	0.004
18360	0.004
18420	0.005
18480	0.004
18540	0.004
18600	0.005
18660	0.005
18720	0.005
18780	0.005
18840	0.006
18900	0.006
18960	0.006
19020	0.005
19080	0.005
19140	0.005
19200	0.006
19260	0.006
19320	0.006
19380	0.005
19440	0.004
19500	0.004
19560	0.004
19620	0.005
19680	0.007
19740	0.006
19800	0.005

19860	0.005
19920	0.005
19980	0.005
20040	0.005
20100	0.005
20160	0.005
20220	0.005
20280	0.005
20340	0.005
20400	0.005
20460	0.005
20520	0.005
20580	0.005
20640	0.005
20700	0.006
20760	0.008
20820	0.009
20880	0.007
20940	0.006
21000	0.006
21060	0.005
21120	0.005
21180	0.005
21240	0.005
21300	0.005
21360	0.006
21420	0.005
21480	0.005
21540	0.005
21600	0.005
21660	0.005
21720	0.005
21780	0.005
21840	0.005
21900	0.005
21960	0.005
22020	0.005
22080	0.006
22140	0.006
22200	0.008
22260	0.005
22320	0.005
22380	0.005
22440	0.005
22500	0.005
22560	0.005
22620	0.005
22680	0.005
22740	0.005
22800	0.005

22860	0.005
22920	0.005
22980	0.005
23040	0.005
23100	0.005
23160	0.005
23220	0.005
23280	0.005
23340	0.005
23400	0.005
23460	0.005
23520	0.005
23580	0.005
23640	0.005
23700	0.005
23760	0.005
23820	0.005
23880	0.005
23940	0.005
24000	0.005
24060	0.005
24120	0.005
24180	0.005
24240	0.005
24300	0.005
24360	0.005
24420	0.005
24480	0.006
24540	0.005
24600	0.005
24660	0.005
24720	0.005
24780	0.005
24840	0.005
24900	0.005
24960	0.005
25020	0.005
25080	0.005
25140	0.005
25200	0.005
25260	0.005
25320	0.005
25380	0.005
25440	0.005
25500	0.005
25560	0.005
25620	0.006
25680	0.006
25740	0.006
25800	0.006

25860	0.006
25920	0.006
25980	0.005
26040	0.006
26100	0.006
26160	0.006
26220	0.006
26280	0.005
26340	0.005
26400	0.005
26460	0.005
26520	0.005
26580	0.005
26640	0.005
26700	0.005
26760	0.005
26820	0.005
26880	0.005
26940	0.005
27000	0.005
27060	0.005
27120	0.005
27180	0.006
27240	0.005
27300	0.005
27360	0.005
27420	0.005
27480	0.005
27540	0.005
27600	0.005
27660	0.006
27720	0.006
27780	0.006
27840	0.006
27900	0.006
27960	0.005
28020	0.005
28080	0.006
28140	0.018
28200	0.022
28260	0.021
28320	0.017
28380	0.017
28440	0.016
28500	0.016
28560	0.02
28620	0.02
28680	0.02
28740	0.018
28800	0.019

28860	0.013
28920	0.012
28980	0.012
29040	0.013
29100	0.013
29160	0.013
29220	0.013
29280	0.013

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_014	
Test Start Time		7:42:19 AM
Test Start Date		11/27/2017
Test Length [D:H:M]		0:08:55
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.002
Mass Minimum [mg/m3]		-0.004
Mass Maximum [mg/m3]		0.023
Mass TWA [mg/m3]		0.001
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		535

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.003	
120		0.003	
180		0.002	
240		0.003	
300		0.002	
360		0.003	
420		0.009	
480		0.005	
540		0.003	
600		0.002	
660		0.001	
720		0.001	
780		0.002	
840		0.003	
900		0.004	
960		0.005	
1020		0.004	
1080		0.003	
1140		0.002	
1200		0.002	
1260		-0.004	
1320		-0.004	
1380		-0.004	
1440		-0.004	
1500		-0.004	
1560		-0.004	
1620		-0.004	
1680		-0.002	
1740		-0.002	
1800		-0.003	

1860	-0.004
1920	-0.004
1980	-0.004
2040	-0.004
2100	-0.003
2160	-0.003
2220	-0.003
2280	-0.003
2340	-0.002
2400	-0.003
2460	-0.003
2520	-0.003
2580	-0.003
2640	-0.003
2700	-0.003
2760	-0.003
2820	-0.003
2880	-0.003
2940	-0.002
3000	-0.002
3060	-0.002
3120	-0.002
3180	-0.002
3240	-0.002
3300	-0.002
3360	-0.002
3420	-0.002
3480	-0.002
3540	-0.002
3600	0
3660	-0.002
3720	0
3780	-0.001
3840	-0.001
3900	0
3960	0
4020	-0.001
4080	-0.001
4140	0
4200	0
4260	0
4320	0
4380	-0.001
4440	-0.002
4500	-0.001
4560	-0.002
4620	-0.002
4680	-0.002
4740	-0.002
4800	-0.002

4860	-0.002
4920	-0.002
4980	-0.002
5040	-0.002
5100	-0.001
5160	-0.001
5220	-0.001
5280	-0.001
5340	-0.001
5400	-0.001
5460	-0.001
5520	-0.001
5580	-0.001
5640	-0.001
5700	-0.001
5760	-0.001
5820	-0.001
5880	-0.001
5940	-0.001
6000	-0.001
6060	-0.001
6120	-0.001
6180	-0.001
6240	-0.001
6300	-0.001
6360	-0.001
6420	-0.001
6480	0
6540	0
6600	0
6660	0
6720	0
6780	0
6840	0
6900	-0.001
6960	-0.001
7020	-0.001
7080	-0.001
7140	0
7200	-0.001
7260	0
7320	-0.001
7380	0
7440	-0.001
7500	-0.001
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	0.011
8940	0.007
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	0.001
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	0.001
11580	0.001
11640	0
11700	0.001
11760	0
11820	0.001
11880	0.001
11940	0.001
12000	0.001
12060	0.001
12120	0.001
12180	0.001
12240	0.001
12300	0.001
12360	0.001
12420	0.002
12480	0.002
12540	0.002
12600	0.002
12660	0.002
12720	0.001
12780	0.001
12840	0.001
12900	0.001
12960	0.001
13020	0.001
13080	0.001
13140	0.001
13200	0.001
13260	0.001
13320	0.001
13380	0.001
13440	0.001
13500	0.001
13560	0.001
13620	0.001
13680	0.001
13740	0.001
13800	0.001

13860	0.001
13920	0.001
13980	0.001
14040	0.001
14100	0.001
14160	0.001
14220	0.001
14280	0.001
14340	0.001
14400	0.001
14460	0.001
14520	0.001
14580	0.001
14640	0.001
14700	0.001
14760	0.001
14820	0.001
14880	0.001
14940	0.001
15000	0.002
15060	0.003
15120	0.003
15180	0.003
15240	0.002
15300	0.002
15360	0.002
15420	0.002
15480	0.002
15540	0.002
15600	0.002
15660	0.001
15720	0.002
15780	0.002
15840	0.002
15900	0.002
15960	0.002
16020	0.003
16080	0.002
16140	0.002
16200	0.002
16260	0.002
16320	0.002
16380	0.003
16440	0.003
16500	0.003
16560	0.003
16620	0.003
16680	0.003
16740	0.003
16800	0.002

16860	0.002
16920	0.002
16980	0.002
17040	0.002
17100	0.002
17160	0.002
17220	0.002
17280	0.003
17340	0.002
17400	0.002
17460	0.002
17520	0.002
17580	0.002
17640	0.002
17700	0.002
17760	0.002
17820	0.001
17880	0.002
17940	0.002
18000	0.002
18060	0.002
18120	0.002
18180	0.002
18240	0.001
18300	0.002
18360	0.002
18420	0.002
18480	0.001
18540	0.001
18600	0.002
18660	0.001
18720	0.001
18780	0.001
18840	0.001
18900	0.001
18960	0.001
19020	0.001
19080	0.002
19140	0.001
19200	0.001
19260	0.002
19320	0.002
19380	0.003
19440	0.002
19500	0.002
19560	0.002
19620	0.002
19680	0.003
19740	0.003
19800	0.002

19860	0.002
19920	0.002
19980	0.001
20040	0.001
20100	0.001
20160	0.001
20220	0.001
20280	0.001
20340	0.003
20400	0.003
20460	0.002
20520	0.002
20580	0.001
20640	0.001
20700	0.001
20760	0.001
20820	0.001
20880	0.001
20940	0.001
21000	0.001
21060	0.001
21120	0.001
21180	0.001
21240	0.001
21300	0.001
21360	0.001
21420	0.001
21480	0.002
21540	0.002
21600	0.002
21660	0.002
21720	0.003
21780	0.004
21840	0.003
21900	0.003
21960	0.003
22020	0.003
22080	0.003
22140	0.002
22200	0.002
22260	0.002
22320	0.002
22380	0.003
22440	0.003
22500	0.003
22560	0.003
22620	0.002
22680	0.002
22740	0.002
22800	0.002

22860	0.002
22920	0.002
22980	0.002
23040	0.002
23100	0.003
23160	0.002
23220	0.003
23280	0.003
23340	0.003
23400	0.003
23460	0.003
23520	0.003
23580	0.003
23640	0.004
23700	0.003
23760	0.005
23820	0.003
23880	0.003
23940	0.003
24000	0.003
24060	0.003
24120	0.003
24180	0.003
24240	0.005
24300	0.003
24360	0.003
24420	0.004
24480	0.003
24540	0.003
24600	0.003
24660	0.003
24720	0.003
24780	0.003
24840	0.003
24900	0.004
24960	0.004
25020	0.003
25080	0.003
25140	0.003
25200	0.004
25260	0.003
25320	0.003
25380	0.003
25440	0.003
25500	0.003
25560	0.003
25620	0.003
25680	0.003
25740	0.003
25800	0.003

25860	0.003
25920	0.003
25980	0.003
26040	0.003
26100	0.004
26160	0.003
26220	0.003
26280	0.003
26340	0.004
26400	0.004
26460	0.004
26520	0.004
26580	0.004
26640	0.004
26700	0.004
26760	0.004
26820	0.005
26880	0.005
26940	0.005
27000	0.005
27060	0.004
27120	0.005
27180	0.004
27240	0.004
27300	0.004
27360	0.004
27420	0.004
27480	0.004
27540	0.004
27600	0.004
27660	0.004
27720	0.005
27780	0.005
27840	0.005
27900	0.005
27960	0.005
28020	0.005
28080	0.005
28140	0.005
28200	0.005
28260	0.005
28320	0.005
28380	0.005
28440	0.005
28500	0.005
28560	0.005
28620	0.004
28680	0.005
28740	0.005
28800	0.005

28860	0.005
28920	0.005
28980	0.004
29040	0.005
29100	0.009
29160	0.014
29220	0.012
29280	0.011
29340	0.01
29400	0.009
29460	0.007
29520	0.007
29580	0.006
29640	0.005
29700	0.005
29760	0.005
29820	0.005
29880	0.004
29940	0.007
30000	0.019
30060	0.023
30120	0.017
30180	0.014
30240	0.013
30300	0.012
30360	0.011
30420	0.012
30480	0.011
30540	0.01
30600	0.009
30660	0.009
30720	0.009
30780	0.008
30840	0.007
30900	0.006
30960	0.006
31020	0.006
31080	0.006
31140	0.006
31200	0.005
31260	0.005
31320	0.006
31380	0.006
31440	0.005
31500	0.004
31560	0.005
31620	0.006
31680	0.006
31740	0.006
31800	0.007

31860	0.007
31920	0.007
31980	0.006
32040	0.006
32100	0.006

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_015	
Test Start Time		8:09:28 AM
Test Start Date		11/28/2017
Test Length [D:H:M]		0:08:08
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.01
Mass Minimum [mg/m3]		0.001
Mass Maximum [mg/m3]		0.094
Mass TWA [mg/m3]		0.01
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		488

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.022	
120		0.017	
180		0.013	
240		0.013	
300		0.011	
360		0.011	
420		0.011	
480		0.012	
540		0.012	
600		0.012	
660		0.012	
720		0.013	
780		0.013	
840		0.013	
900		0.013	
960		0.013	
1020		0.014	
1080		0.013	
1140		0.014	
1200		0.014	
1260		0.014	
1320		0.015	
1380		0.015	
1440		0.015	
1500		0.015	
1560		0.015	
1620		0.016	
1680		0.016	
1740		0.017	
1800		0.016	

1860	0.016
1920	0.017
1980	0.019
2040	0.016
2100	0.017
2160	0.017
2220	0.017
2280	0.017
2340	0.018
2400	0.018
2460	0.018
2520	0.017
2580	0.017
2640	0.017
2700	0.017
2760	0.017
2820	0.017
2880	0.017
2940	0.017
3000	0.017
3060	0.017
3120	0.017
3180	0.018
3240	0.018
3300	0.017
3360	0.017
3420	0.018
3480	0.017
3540	0.018
3600	0.018
3660	0.018
3720	0.018
3780	0.018
3840	0.018
3900	0.018
3960	0.018
4020	0.018
4080	0.018
4140	0.018
4200	0.018
4260	0.018
4320	0.018
4380	0.018
4440	0.018
4500	0.018
4560	0.018
4620	0.018
4680	0.018
4740	0.018
4800	0.018

4860	0.018
4920	0.018
4980	0.018
5040	0.018
5100	0.018
5160	0.018
5220	0.018
5280	0.018
5340	0.018
5400	0.018
5460	0.018
5520	0.018
5580	0.019
5640	0.018
5700	0.018
5760	0.018
5820	0.018
5880	0.018
5940	0.018
6000	0.018
6060	0.018
6120	0.019
6180	0.02
6240	0.018
6300	0.018
6360	0.018
6420	0.018
6480	0.018
6540	0.018
6600	0.018
6660	0.018
6720	0.018
6780	0.018
6840	0.018
6900	0.018
6960	0.018
7020	0.018
7080	0.018
7140	0.018
7200	0.018
7260	0.018
7320	0.018
7380	0.017
7440	0.017
7500	0.018
7560	0.018
7620	0.017
7680	0.017
7740	0.017
7800	0.017

7860	0.017
7920	0.017
7980	0.017
8040	0.017
8100	0.016
8160	0.016
8220	0.016
8280	0.017
8340	0.016
8400	0.016
8460	0.016
8520	0.016
8580	0.016
8640	0.016
8700	0.016
8760	0.015
8820	0.015
8880	0.015
8940	0.015
9000	0.015
9060	0.015
9120	0.015
9180	0.015
9240	0.014
9300	0.014
9360	0.014
9420	0.014
9480	0.014
9540	0.014
9600	0.014
9660	0.014
9720	0.014
9780	0.014
9840	0.014
9900	0.014
9960	0.014
10020	0.014
10080	0.014
10140	0.014
10200	0.013
10260	0.013
10320	0.014
10380	0.013
10440	0.013
10500	0.013
10560	0.014
10620	0.014
10680	0.014
10740	0.013
10800	0.013

10860	0.013
10920	0.013
10980	0.013
11040	0.013
11100	0.013
11160	0.013
11220	0.013
11280	0.013
11340	0.012
11400	0.013
11460	0.013
11520	0.013
11580	0.012
11640	0.012
11700	0.012
11760	0.012
11820	0.012
11880	0.012
11940	0.013
12000	0.013
12060	0.013
12120	0.013
12180	0.013
12240	0.013
12300	0.013
12360	0.013
12420	0.013
12480	0.013
12540	0.013
12600	0.013
12660	0.013
12720	0.013
12780	0.013
12840	0.013
12900	0.013
12960	0.013
13020	0.013
13080	0.013
13140	0.013
13200	0.013
13260	0.012
13320	0.012
13380	0.012
13440	0.012
13500	0.012
13560	0.012
13620	0.012
13680	0.012
13740	0.012
13800	0.012

13860	0.011
13920	0.011
13980	0.011
14040	0.011
14100	0.011
14160	0.011
14220	0.01
14280	0.01
14340	0.01
14400	0.01
14460	0.01
14520	0.01
14580	0.01
14640	0.011
14700	0.01
14760	0.01
14820	0.01
14880	0.01
14940	0.01
15000	0.01
15060	0.01
15120	0.01
15180	0.01
15240	0.01
15300	0.01
15360	0.01
15420	0.01
15480	0.01
15540	0.01
15600	0.01
15660	0.01
15720	0.01
15780	0.01
15840	0.01
15900	0.01
15960	0.01
16020	0.01
16080	0.009
16140	0.01
16200	0.01
16260	0.01
16320	0.009
16380	0.01
16440	0.009
16500	0.009
16560	0.008
16620	0.009
16680	0.008
16740	0.008
16800	0.008

16860	0.008
16920	0.008
16980	0.008
17040	0.008
17100	0.008
17160	0.008
17220	0.008
17280	0.008
17340	0.008
17400	0.008
17460	0.007
17520	0.007
17580	0.007
17640	0.007
17700	0.007
17760	0.007
17820	0.007
17880	0.007
17940	0.006
18000	0.006
18060	0.006
18120	0.006
18180	0.006
18240	0.006
18300	0.005
18360	0.006
18420	0.006
18480	0.006
18540	0.005
18600	0.006
18660	0.006
18720	0.005
18780	0.005
18840	0.005
18900	0.005
18960	0.004
19020	0.004
19080	0.004
19140	0.004
19200	0.004
19260	0.004
19320	0.004
19380	0.003
19440	0.003
19500	0.003
19560	0.003
19620	0.002
19680	0.002
19740	0.002
19800	0.002

19860	0.002
19920	0.002
19980	0.002
20040	0.002
20100	0.002
20160	0.002
20220	0.002
20280	0.002
20340	0.002
20400	0.002
20460	0.001
20520	0.002
20580	0.002
20640	0.002
20700	0.001
20760	0.001
20820	0.001
20880	0.001
20940	0.002
21000	0.002
21060	0.002
21120	0.002
21180	0.002
21240	0.002
21300	0.002
21360	0.002
21420	0.002
21480	0.002
21540	0.001
21600	0.001
21660	0.002
21720	0.002
21780	0.002
21840	0.002
21900	0.002
21960	0.001
22020	0.001
22080	0.001
22140	0.001
22200	0.002
22260	0.002
22320	0.004
22380	0.002
22440	0.001
22500	0.001
22560	0.001
22620	0.001
22680	0.001
22740	0.001
22800	0.001

22860	0.001
22920	0.001
22980	0.001
23040	0.001
23100	0.001
23160	0.001
23220	0.001
23280	0.001
23340	0.001
23400	0.001
23460	0.001
23520	0.001
23580	0.001
23640	0.001
23700	0.001
23760	0.001
23820	0.001
23880	0.001
23940	0.001
24000	0.001
24060	0.001
24120	0.001
24180	0.001
24240	0.002
24300	0.001
24360	0.002
24420	0.001
24480	0.001
24540	0.001
24600	0.001
24660	0.001
24720	0.001
24780	0.001
24840	0.001
24900	0.001
24960	0.001
25020	0.001
25080	0.002
25140	0.002
25200	0.001
25260	0.002
25320	0.001
25380	0.001
25440	0.001
25500	0.001
25560	0.001
25620	0.001
25680	0.001
25740	0.001
25800	0.001

25860	0.001
25920	0.001
25980	0.001
26040	0.001
26100	0.001
26160	0.001
26220	0.001
26280	0.001
26340	0.001
26400	0.001
26460	0.001
26520	0.001
26580	0.001
26640	0.001
26700	0.001
26760	0.001
26820	0.001
26880	0.002
26940	0.002
27000	0.002
27060	0.002
27120	0.002
27180	0.002
27240	0.002
27300	0.002
27360	0.002
27420	0.006
27480	0.002
27540	0.002
27600	0.002
27660	0.002
27720	0.002
27780	0.006
27840	0.003
27900	0.003
27960	0.008
28020	0.082
28080	0.094
28140	0.066
28200	0.027
28260	0.016
28320	0.011
28380	0.008
28440	0.005
28500	0.004
28560	0.004
28620	0.002
28680	0.002
28740	0.002
28800	0.002

28860	0.002
28920	0.002
28980	0.002
29040	0.002
29100	0.001
29160	0.002
29220	0.011
29280	0.016

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_016	
Test Start Time		7:31:19 AM
Test Start Date		11/29/2017
Test Length [D:H:M]		0:07:55
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.001
Mass Minimum [mg/m3]		-0.003
Mass Maximum [mg/m3]		0.01
Mass TWA [mg/m3]		0.001
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		475

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.007	
120		0.006	
180		0.006	
240		0.005	
300		0.005	
360		0.004	
420		0.004	
480		0.006	
540		0.005	
600		0.003	
660		0.003	
720		0.003	
780		0.003	
840		0.003	
900		0.003	
960		0.003	
1020		0.003	
1080		0.003	
1140		0.003	
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	0.004
1980	0.003
2040	0.003
2100	0.003
2160	0.004
2220	0.004
2280	0.003
2340	0.004
2400	0.004
2460	0.004
2520	0.003
2580	0.003
2640	0.003
2700	0.003
2760	0.003
2820	0.003
2880	0.003
2940	0.003
3000	0.003
3060	0.003
3120	0.003
3180	0.003
3240	0.003
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	0.003
3900	0.003
3960	0.003
4020	0.003
4080	0.003
4140	0.003
4200	0.003
4260	0.003
4320	0.003
4380	0.003
4440	0.004
4500	0.01
4560	0.003
4620	0.003
4680	0.004
4740	0.003
4800	0.004

4860	0.004
4920	0.004
4980	0.004
5040	0.004
5100	0.004
5160	0.003
5220	0.003
5280	0.003
5340	0.003
5400	0.003
5460	0.003
5520	0.003
5580	0.003
5640	0.003
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	0.003
6300	0.003
6360	0.003
6420	0.003
6480	0.003
6540	0.003
6600	0.003
6660	0.003
6720	0.003
6780	0.003
6840	0.003
6900	0.003
6960	0.004
7020	0.004
7080	0.004
7140	0.004
7200	0.004
7260	0.004
7320	0.004
7380	0.003
7440	0.004
7500	0.004
7560	0.004
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	0.004
8580	0.004
8640	0.004
8700	0.003
8760	0.004
8820	0.003
8880	0.003
8940	0.003
9000	0.003
9060	0.003
9120	0.003
9180	0.003
9240	0.003
9300	0.003
9360	0.003
9420	0.003
9480	0.003
9540	0.003
9600	0.003
9660	0.003
9720	0.003
9780	0.003
9840	0.003
9900	0.003
9960	0.003
10020	0.003
10080	0.003
10140	0.002
10200	0.002
10260	0.002
10320	0.002
10380	0.002
10440	0.001
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	0.001
11820	-0.001
11880	-0.001
11940	-0.001
12000	-0.002
12060	-0.002
12120	-0.002
12180	-0.002
12240	-0.002
12300	-0.002
12360	-0.002
12420	-0.002
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	-0.002
13020	-0.002
13080	-0.002
13140	-0.002
13200	-0.001
13260	-0.002
13320	-0.002
13380	0.001
13440	-0.002
13500	-0.002
13560	-0.002
13620	-0.002
13680	-0.002
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	0.001
14400	-0.002
14460	-0.002
14520	-0.002
14580	-0.002
14640	-0.002
14700	-0.003
14760	0
14820	-0.003
14880	-0.003
14940	-0.003
15000	-0.002
15060	-0.002
15120	-0.003
15180	-0.003
15240	-0.001
15300	-0.003
15360	-0.003
15420	-0.003
15480	-0.003
15540	-0.003
15600	-0.003
15660	-0.003
15720	-0.003
15780	-0.003
15840	-0.002
15900	-0.003
15960	-0.003
16020	-0.003
16080	-0.002
16140	-0.001
16200	-0.003
16260	-0.002
16320	-0.002
16380	-0.002
16440	-0.002
16500	-0.002
16560	-0.003
16620	-0.002
16680	-0.003
16740	-0.003
16800	-0.002

16860	-0.002
16920	-0.002
16980	-0.003
17040	-0.002
17100	-0.002
17160	-0.002
17220	-0.002
17280	-0.002
17340	-0.002
17400	-0.002
17460	-0.002
17520	-0.002
17580	-0.002
17640	-0.002
17700	-0.002
17760	-0.002
17820	-0.002
17880	-0.002
17940	-0.002
18000	-0.002
18060	-0.002
18120	-0.002
18180	-0.002
18240	-0.002
18300	-0.002
18360	-0.002
18420	-0.001
18480	0.001
18540	-0.002
18600	-0.002
18660	-0.002
18720	-0.002
18780	-0.002
18840	-0.002
18900	-0.002
18960	-0.002
19020	-0.002
19080	-0.002
19140	-0.001
19200	-0.002
19260	-0.002
19320	-0.002
19380	-0.002
19440	-0.002
19500	-0.002
19560	-0.002
19620	-0.002
19680	-0.002
19740	-0.002
19800	-0.002

19860	-0.002
19920	-0.002
19980	-0.002
20040	-0.002
20100	-0.002
20160	-0.002
20220	-0.002
20280	-0.002
20340	-0.002
20400	-0.002
20460	-0.002
20520	-0.002
20580	-0.002
20640	-0.002
20700	-0.002
20760	-0.002
20820	-0.002
20880	-0.002
20940	0
21000	-0.002
21060	-0.002
21120	-0.002
21180	-0.002
21240	-0.002
21300	-0.002
21360	-0.002
21420	-0.002
21480	-0.002
21540	-0.002
21600	-0.002
21660	-0.002
21720	-0.002
21780	-0.002
21840	-0.002
21900	-0.002
21960	-0.002
22020	-0.002
22080	-0.002
22140	-0.002
22200	-0.002
22260	-0.002
22320	-0.002
22380	-0.002
22440	-0.002
22500	-0.002
22560	-0.002
22620	-0.002
22680	-0.002
22740	-0.002
22800	-0.002

22860	-0.002
22920	-0.002
22980	-0.002
23040	-0.002
23100	-0.002
23160	-0.002
23220	-0.002
23280	-0.002
23340	-0.002
23400	-0.002
23460	-0.002
23520	-0.002
23580	-0.002
23640	-0.002
23700	-0.002
23760	-0.002
23820	-0.002
23880	-0.002
23940	-0.002
24000	-0.002
24060	-0.002
24120	-0.002
24180	-0.002
24240	-0.002
24300	-0.002
24360	-0.002
24420	-0.002
24480	-0.002
24540	-0.002
24600	-0.002
24660	-0.002
24720	-0.002
24780	-0.002
24840	-0.002
24900	-0.001
24960	0
25020	0.004
25080	0.006
25140	0.008
25200	0.007
25260	0.007
25320	0.008
25380	0.007
25440	0.008
25500	0.008
25560	0.007
25620	0.007
25680	0.006
25740	0.006
25800	0.007

25860	0.009
25920	0.007
25980	0.005
26040	0.004
26100	0.004
26160	0.004
26220	0.003
26280	0.005
26340	0.008
26400	0.006
26460	0.005
26520	0.004
26580	0.003
26640	0.002
26700	0.001
26760	0
26820	0
26880	0
26940	0
27000	0
27060	0
27120	0
27180	0
27240	0
27300	0
27360	0
27420	0
27480	-0.001
27540	-0.001
27600	-0.001
27660	-0.001
27720	-0.001
27780	-0.001
27840	-0.001
27900	-0.002
27960	-0.002
28020	-0.002
28080	0
28140	0.002
28200	0.001
28260	0.001
28320	0.001
28380	0
28440	0
28500	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151509
Firmware Version	3.3
Calibration Date	4/8/2015
Test Name	MANUAL_017
Test Start Time	7:51:24 AM
Test Start Date	11/30/2017
Test Length [D:H:M]	0:07:35
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.069
Mass TWA [mg/m3]	0.004
Photometric User Cal	0.9
Flow User Cal	0
Errors	
Number of Samples	455

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.001	
120		0.001	
180		0.001	
240		0.002	
300		0.002	
360		0.001	
420		0.002	
480		0.006	
540		0.015	
600		0.02	
660		0.019	
720		0	
780		0	
840		0	
900		0	
960		0.001	
1020		0.001	
1080		0.001	
1140		0.001	
1200		0.002	
1260		0.002	
1320		0.002	
1380		0.002	
1440		0.002	
1500		0.002	
1560		0.002	
1620		0.002	
1680		0.002	
1740		0.002	
1800		0.002	

1860	0.002
1920	0.002
1980	0.002
2040	0.003
2100	0.002
2160	0.002
2220	0.002
2280	0.002
2340	0.003
2400	0.003
2460	0.003
2520	0.003
2580	0.003
2640	0.003
2700	0.005
2760	0.003
2820	0.003
2880	0.003
2940	0.003
3000	0.003
3060	0.003
3120	0.004
3180	0.004
3240	0.004
3300	0.004
3360	0.004
3420	0.004
3480	0.004
3540	0.004
3600	0.004
3660	0.004
3720	0.004
3780	0.009
3840	0.004
3900	0.004
3960	0.004
4020	0.004
4080	0.004
4140	0.004
4200	0.004
4260	0.004
4320	0.004
4380	0.004
4440	0.005
4500	0.005
4560	0.004
4620	0.005
4680	0.005
4740	0.005
4800	0.005

4860	0.005
4920	0.005
4980	0.01
5040	0.005
5100	0.005
5160	0.006
5220	0.006
5280	0.006
5340	0.005
5400	0.005
5460	0.005
5520	0.009
5580	0.005
5640	0.005
5700	0.005
5760	0.005
5820	0.005
5880	0.005
5940	0.005
6000	0.005
6060	0.005
6120	0.005
6180	0.005
6240	0.005
6300	0.005
6360	0.005
6420	0.005
6480	0.005
6540	0.005
6600	0.005
6660	0.005
6720	0.005
6780	0.005
6840	0.005
6900	0.005
6960	0.005
7020	0.005
7080	0.005
7140	0.005
7200	0.005
7260	0.005
7320	0.005
7380	0.006
7440	0.005
7500	0.005
7560	0.005
7620	0.006
7680	0.006
7740	0.006
7800	0.006

7860	0.006
7920	0.006
7980	0.006
8040	0.006
8100	0.006
8160	0.005
8220	0.006
8280	0.006
8340	0.006
8400	0.006
8460	0.006
8520	0.006
8580	0.006
8640	0.006
8700	0.006
8760	0.006
8820	0.006
8880	0.005
8940	0.005
9000	0.006
9060	0.005
9120	0.006
9180	0.005
9240	0.005
9300	0.005
9360	0.005
9420	0.005
9480	0.005
9540	0.005
9600	0.005
9660	0.005
9720	0.005
9780	0.005
9840	0.005
9900	0.005
9960	0.005
10020	0.005
10080	0.005
10140	0.005
10200	0.005
10260	0.005
10320	0.005
10380	0.005
10440	0.005
10500	0.005
10560	0.005
10620	0.005
10680	0.005
10740	0.005
10800	0.005

10860	0.005
10920	0.005
10980	0.006
11040	0.005
11100	0.005
11160	0.005
11220	0.005
11280	0.005
11340	0.005
11400	0.005
11460	0.005
11520	0.005
11580	0.005
11640	0.005
11700	0.005
11760	0.005
11820	0.005
11880	0.005
11940	0.005
12000	0.005
12060	0.005
12120	0.005
12180	0.005
12240	0.005
12300	0.005
12360	0.005
12420	0.005
12480	0.005
12540	0.005
12600	0.004
12660	0.004
12720	0.005
12780	0.005
12840	0.005
12900	0.009
12960	0.005
13020	0.004
13080	0.005
13140	0.018
13200	0.005
13260	0.004
13320	0.005
13380	0.005
13440	0.005
13500	0.004
13560	0.004
13620	0.005
13680	0.004
13740	0.004
13800	0.004

13860	0.006
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	0.004
14580	0.004
14640	0.004
14700	0.004
14760	0.004
14820	0.004
14880	0.004
14940	0.004
15000	0.004
15060	0.004
15120	0.004
15180	0.003
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	0.003
15780	0.003
15840	0.004
15900	0.003
15960	0.003
16020	0.013
16080	0.004
16140	0.005
16200	0.003
16260	0.003
16320	0.003
16380	0.003
16440	0.003
16500	0.002
16560	0.002
16620	0.002
16680	0.002
16740	0.003
16800	0.002

16860	0.002
16920	0.002
16980	0.002
17040	0.002
17100	0.002
17160	0.002
17220	0.002
17280	0.002
17340	0.002
17400	0.002
17460	0.002
17520	0.002
17580	0.002
17640	0.002
17700	0.002
17760	0.002
17820	0.002
17880	0.002
17940	0.002
18000	0.002
18060	0.002
18120	0.002
18180	0.002
18240	0.001
18300	0.001
18360	0.001
18420	0.001
18480	0.001
18540	0.001
18600	0.001
18660	0.001
18720	0.001
18780	0.001
18840	0.001
18900	0.001
18960	0.002
19020	0.001
19080	0.001
19140	0.001
19200	0.002
19260	0.002
19320	0.002
19380	0.003
19440	0.012
19500	0.003
19560	0.003
19620	0.003
19680	0.003
19740	0.003
19800	0.003

19860	0.003
19920	0.003
19980	0.003
20040	0.003
20100	0.003
20160	0.003
20220	0.003
20280	0.003
20340	0.003
20400	0.003
20460	0.003
20520	0.003
20580	0.004
20640	0.003
20700	0.003
20760	0.003
20820	0.003
20880	0.003
20940	0.003
21000	0.003
21060	0.003
21120	0.003
21180	0.003
21240	0.003
21300	0.003
21360	0.003
21420	0.003
21480	0.003
21540	0.003
21600	0.003
21660	0.003
21720	0.002
21780	0.002
21840	0.002
21900	0.002
21960	0.003
22020	0.002
22080	0.003
22140	0.002
22200	0.002
22260	0.002
22320	0.002
22380	0.002
22440	0.002
22500	0.002
22560	0.002
22620	0.002
22680	0.002
22740	0.002
22800	0.002

22860	0.002
22920	0.002
22980	0.002
23040	0.002
23100	0.002
23160	0.002
23220	0.002
23280	0.002
23340	0.002
23400	0.002
23460	0.002
23520	0.002
23580	0.002
23640	0.002
23700	0.002
23760	0.002
23820	0.002
23880	0.002
23940	0.002
24000	0.002
24060	0.002
24120	0.002
24180	0.002
24240	0.002
24300	0.002
24360	0.002
24420	0.002
24480	0.002
24540	0.002
24600	0.002
24660	0.002
24720	0.002
24780	0.002
24840	0.002
24900	0.003
24960	0.003
25020	0.002
25080	0.002
25140	0.002
25200	0.002
25260	0.002
25320	0.003
25380	0.002
25440	0.003
25500	0.003
25560	0.003
25620	0.003
25680	0.002
25740	0.002
25800	0.003

25860	0.003
25920	0.003
25980	0.003
26040	0.003
26100	0.003
26160	0.003
26220	0.003
26280	0.003
26340	0.003
26400	0.003
26460	0.003
26520	0.003
26580	0.003
26640	0.003
26700	0.003
26760	0.003
26820	0.002
26880	0.003
26940	0.003
27000	0.003
27060	0.01
27120	0.004
27180	0.009
27240	0.021
27300	0.069

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_018	
Test Start Time		6:36:46 AM
Test Start Date		12/1/2017
Test Length [D:H:M]		0:05:37
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.003
Mass Minimum [mg/m3]		-0.003
Mass Maximum [mg/m3]		0.034
Mass TWA [mg/m3]		0.002
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		337

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.005	
120		0.003	
180		0.004	
240		0.006	
300		0.007	
360		0.006	
420		0.005	
480		0.004	
540		0.003	
600		0.004	
660		0.005	
720		0.004	
780		0.004	
840		0.005	
900		0.004	
960		0.004	
1020		0.004	
1080		0.003	
1140		0.004	
1200		0.004	
1260		0.004	
1320		0.003	
1380		0.003	
1440		0.001	
1500		0.002	
1560		0.002	
1620		0.002	
1680		0.004	
1740		0.006	
1800		0.006	

1860	0.006
1920	0.005
1980	0.004
2040	0.003
2100	0.003
2160	0.002
2220	0
2280	0
2340	0
2400	0
2460	0
2520	0
2580	0
2640	0
2700	0
2760	0.001
2820	0.001
2880	0.001
2940	0
3000	0
3060	0
3120	0
3180	0
3240	0
3300	0.006
3360	0.008
3420	0.008
3480	0.007
3540	0.005
3600	0.005
3660	0.005
3720	0.006
3780	0.006
3840	0.006
3900	0.006
3960	0.005
4020	0.004
4080	0.005
4140	0.005
4200	0.006
4260	0.005
4320	0.005
4380	0.004
4440	0.004
4500	0.006
4560	0.003
4620	0.004
4680	0.002
4740	0.003
4800	0.003

4860	0.003
4920	0.004
4980	0.003
5040	0.005
5100	0.006
5160	0.007
5220	0.007
5280	0.007
5340	0.01
5400	0.003
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	0.001
6300	0.001
6360	0.002
6420	0.003
6480	0.001
6540	0.001
6600	0
6660	0.001
6720	0.001
6780	0.001
6840	0.001
6900	0.001
6960	0.003
7020	0.001
7080	0.005
7140	0.001
7200	0.001
7260	0.001
7320	0.001
7380	0.001
7440	0.001
7500	0.002
7560	0.001
7620	0.001
7680	0.001
7740	0.001
7800	0.001

7860	0.001
7920	0.001
7980	0.001
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	0.001
9120	0
9180	0
9240	0
9300	0
9360	0
9420	0
9480	0
9540	0
9600	0
9660	0.003
9720	0.002
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	0.018
10980	0.024
11040	0.017
11100	0.007
11160	0.002
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	-0.001
12120	-0.001
12180	-0.001
12240	-0.001
12300	-0.001
12360	-0.001
12420	0
12480	-0.001
12540	0
12600	0
12660	-0.001
12720	0
12780	0
12840	-0.001
12900	-0.001
12960	-0.001
13020	-0.001
13080	0
13140	0
13200	-0.001
13260	-0.001
13320	-0.001
13380	-0.001
13440	-0.001
13500	-0.001
13560	-0.001
13620	-0.001
13680	-0.001
13740	-0.001
13800	-0.001

13860	-0.001
13920	-0.001
13980	-0.001
14040	-0.001
14100	-0.001
14160	-0.001
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	-0.003
15060	-0.003
15120	-0.003
15180	-0.002
15240	-0.002
15300	-0.002
15360	-0.002
15420	-0.002
15480	-0.003
15540	-0.003
15600	-0.003
15660	-0.003
15720	-0.003
15780	-0.003
15840	-0.003
15900	-0.003
15960	-0.003
16020	-0.003
16080	-0.002
16140	-0.002
16200	-0.003
16260	-0.003
16320	-0.003
16380	-0.003
16440	0
16500	-0.002
16560	-0.002
16620	-0.002
16680	-0.003
16740	-0.002
16800	-0.003

16860	-0.003
16920	-0.003
16980	-0.003
17040	-0.003
17100	-0.003
17160	-0.003
17220	-0.003
17280	-0.002
17340	-0.002
17400	-0.002
17460	-0.002
17520	-0.002
17580	-0.002
17640	-0.002
17700	-0.002
17760	-0.002
17820	-0.002
17880	-0.002
17940	-0.002
18000	-0.002
18060	-0.002
18120	-0.002
18180	-0.002
18240	-0.002
18300	-0.002
18360	-0.002
18420	0
18480	-0.001
18540	-0.002
18600	-0.001
18660	0.019
18720	0.031
18780	0.034
18840	0.031
18900	0.027
18960	0.026
19020	0.027
19080	0.028
19140	0.027
19200	0.027
19260	0.032
19320	0.031
19380	0.032
19440	0.029
19500	0.029
19560	0.028
19620	0.027
19680	0.022
19740	0.022
19800	0.02

19860	0.018
19920	0.017
19980	0.016
20040	0.017
20100	0.015
20160	0.015
20220	0.017

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_019	
Test Start Time		7:22:46 AM
Test Start Date		12/4/2017
Test Length [D:H:M]		0:08:26
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.054
Mass Minimum [mg/m3]		0.017
Mass Maximum [mg/m3]		0.076
Mass TWA [mg/m3]		0.055
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		506

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.017	
120		0.017	
180		0.017	
240		0.019	
300		0.029	
360		0.036	
420		0.037	
480		0.053	
540		0.052	
600		0.051	
660		0.046	
720		0.044	
780		0.039	
840		0.038	
900		0.04	
960		0.042	
1020		0.044	
1080		0.039	
1140		0.037	
1200		0.035	
1260		0.032	
1320		0.03	
1380		0.049	
1440		0.056	
1500		0.054	
1560		0.067	
1620		0.061	
1680		0.053	
1740		0.048	
1800		0.043	

1860	0.039
1920	0.036
1980	0.033
2040	0.039
2100	0.071
2160	0.066
2220	0.06
2280	0.05
2340	0.048
2400	0.048
2460	0.049
2520	0.05
2580	0.051
2640	0.051
2700	0.052
2760	0.052
2820	0.052
2880	0.053
2940	0.054
3000	0.056
3060	0.055
3120	0.056
3180	0.056
3240	0.056
3300	0.057
3360	0.057
3420	0.057
3480	0.058
3540	0.058
3600	0.059
3660	0.059
3720	0.06
3780	0.061
3840	0.062
3900	0.064
3960	0.064
4020	0.064
4080	0.065
4140	0.065
4200	0.065
4260	0.066
4320	0.067
4380	0.067
4440	0.067
4500	0.069
4560	0.07
4620	0.07
4680	0.071
4740	0.07
4800	0.07

4860	0.071
4920	0.071
4980	0.07
5040	0.071
5100	0.071
5160	0.071
5220	0.07
5280	0.069
5340	0.069
5400	0.069
5460	0.069
5520	0.07
5580	0.069
5640	0.069
5700	0.068
5760	0.067
5820	0.066
5880	0.067
5940	0.068
6000	0.069
6060	0.069
6120	0.068
6180	0.069
6240	0.069
6300	0.07
6360	0.07
6420	0.07
6480	0.071
6540	0.071
6600	0.071
6660	0.071
6720	0.072
6780	0.072
6840	0.073
6900	0.073
6960	0.074
7020	0.074
7080	0.074
7140	0.075
7200	0.075
7260	0.075
7320	0.074
7380	0.074
7440	0.075
7500	0.075
7560	0.075
7620	0.075
7680	0.075
7740	0.075
7800	0.075

7860	0.075
7920	0.076
7980	0.076
8040	0.076
8100	0.075
8160	0.076
8220	0.076
8280	0.076
8340	0.076
8400	0.076
8460	0.075
8520	0.076
8580	0.073
8640	0.072
8700	0.072
8760	0.071
8820	0.07
8880	0.07
8940	0.069
9000	0.069
9060	0.069
9120	0.071
9180	0.07
9240	0.069
9300	0.069
9360	0.069
9420	0.068
9480	0.069
9540	0.068
9600	0.068
9660	0.068
9720	0.067
9780	0.067
9840	0.065
9900	0.066
9960	0.067
10020	0.068
10080	0.069
10140	0.068
10200	0.067
10260	0.067
10320	0.066
10380	0.066
10440	0.067
10500	0.067
10560	0.066
10620	0.067
10680	0.066
10740	0.066
10800	0.067

10860	0.067
10920	0.067
10980	0.074
11040	0.073
11100	0.067
11160	0.065
11220	0.065
11280	0.065
11340	0.067
11400	0.069
11460	0.069
11520	0.07
11580	0.069
11640	0.067
11700	0.066
11760	0.064
11820	0.064
11880	0.063
11940	0.063
12000	0.063
12060	0.063
12120	0.063
12180	0.064
12240	0.064
12300	0.063
12360	0.064
12420	0.064
12480	0.063
12540	0.063
12600	0.064
12660	0.064
12720	0.065
12780	0.065
12840	0.066
12900	0.067
12960	0.066
13020	0.066
13080	0.067
13140	0.067
13200	0.068
13260	0.067
13320	0.068
13380	0.067
13440	0.067
13500	0.067
13560	0.067
13620	0.067
13680	0.067
13740	0.066
13800	0.066

13860	0.066
13920	0.065
13980	0.066
14040	0.064
14100	0.063
14160	0.063
14220	0.062
14280	0.062
14340	0.062
14400	0.062
14460	0.061
14520	0.061
14580	0.061
14640	0.06
14700	0.06
14760	0.06
14820	0.06
14880	0.06
14940	0.059
15000	0.06
15060	0.06
15120	0.061
15180	0.06
15240	0.06
15300	0.059
15360	0.064
15420	0.06
15480	0.059
15540	0.06
15600	0.061
15660	0.062
15720	0.062
15780	0.062
15840	0.061
15900	0.061
15960	0.061
16020	0.061
16080	0.061
16140	0.064
16200	0.065
16260	0.064
16320	0.066
16380	0.066
16440	0.066
16500	0.067
16560	0.066
16620	0.064
16680	0.063
16740	0.058
16800	0.058

16860	0.058
16920	0.058
16980	0.057
17040	0.058
17100	0.058
17160	0.057
17220	0.057
17280	0.056
17340	0.056
17400	0.056
17460	0.055
17520	0.055
17580	0.056
17640	0.056
17700	0.056
17760	0.055
17820	0.055
17880	0.055
17940	0.055
18000	0.055
18060	0.055
18120	0.055
18180	0.054
18240	0.054
18300	0.054
18360	0.054
18420	0.055
18480	0.054
18540	0.053
18600	0.054
18660	0.053
18720	0.054
18780	0.054
18840	0.053
18900	0.054
18960	0.054
19020	0.053
19080	0.053
19140	0.054
19200	0.054
19260	0.054
19320	0.054
19380	0.054
19440	0.054
19500	0.055
19560	0.056
19620	0.056
19680	0.056
19740	0.056
19800	0.057

19860	0.057
19920	0.055
19980	0.055
20040	0.054
20100	0.052
20160	0.051
20220	0.05
20280	0.05
20340	0.05
20400	0.049
20460	0.048
20520	0.048
20580	0.047
20640	0.047
20700	0.047
20760	0.047
20820	0.046
20880	0.046
20940	0.046
21000	0.045
21060	0.045
21120	0.045
21180	0.045
21240	0.046
21300	0.046
21360	0.046
21420	0.046
21480	0.045
21540	0.045
21600	0.045
21660	0.046
21720	0.046
21780	0.045
21840	0.046
21900	0.045
21960	0.045
22020	0.043
22080	0.042
22140	0.043
22200	0.042
22260	0.043
22320	0.045
22380	0.044
22440	0.046
22500	0.047
22560	0.045
22620	0.045
22680	0.045
22740	0.045
22800	0.045

22860	0.044
22920	0.043
22980	0.043
23040	0.043
23100	0.043
23160	0.042
23220	0.043
23280	0.043
23340	0.042
23400	0.042
23460	0.042
23520	0.042
23580	0.042
23640	0.041
23700	0.042
23760	0.041
23820	0.041
23880	0.041
23940	0.041
24000	0.041
24060	0.041
24120	0.041
24180	0.041
24240	0.041
24300	0.041
24360	0.04
24420	0.039
24480	0.04
24540	0.043
24600	0.052
24660	0.042
24720	0.036
24780	0.035
24840	0.035
24900	0.035
24960	0.034
25020	0.034
25080	0.034
25140	0.034
25200	0.034
25260	0.034
25320	0.033
25380	0.034
25440	0.034
25500	0.033
25560	0.034
25620	0.034
25680	0.033
25740	0.034
25800	0.032

25860	0.033
25920	0.032
25980	0.033
26040	0.033
26100	0.034
26160	0.033
26220	0.032
26280	0.033
26340	0.033
26400	0.033
26460	0.033
26520	0.033
26580	0.034
26640	0.035
26700	0.036
26760	0.037
26820	0.038
26880	0.037
26940	0.038
27000	0.039
27060	0.04
27120	0.039
27180	0.037
27240	0.036
27300	0.036
27360	0.058
27420	0.036
27480	0.036
27540	0.036
27600	0.037
27660	0.036
27720	0.036
27780	0.036
27840	0.036
27900	0.036
27960	0.037
28020	0.036
28080	0.036
28140	0.037
28200	0.037
28260	0.038
28320	0.038
28380	0.038
28440	0.038
28500	0.039
28560	0.04
28620	0.039
28680	0.038
28740	0.039
28800	0.039

28860	0.039
28920	0.039
28980	0.038
29040	0.038
29100	0.038
29160	0.037
29220	0.037
29280	0.037
29340	0.037
29400	0.038
29460	0.038
29520	0.037
29580	0.037
29640	0.036
29700	0.039
29760	0.051
29820	0.054
29880	0.054
29940	0.048
30000	0.042
30060	0.037
30120	0.032
30180	0.028
30240	0.026
30300	0.024
30360	0.023

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_020	
Test Start Time		7:33:48 AM
Test Start Date		12/5/2017
Test Length [D:H:M]		0:07:55
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.021
Mass Minimum [mg/m3]		0.007
Mass Maximum [mg/m3]		0.078
Mass TWA [mg/m3]		0.02
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		475

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.068	
120		0.032	
180		0.031	
240		0.028	
300		0.026	
360		0.025	
420		0.026	
480		0.026	
540		0.026	
600		0.027	
660		0.027	
720		0.028	
780		0.028	
840		0.028	
900		0.029	
960		0.029	
1020		0.029	
1080		0.03	
1140		0.03	
1200		0.029	
1260		0.03	
1320		0.03	
1380		0.03	
1440		0.03	
1500		0.03	
1560		0.03	
1620		0.03	
1680		0.03	
1740		0.03	
1800		0.03	

1860	0.031
1920	0.03
1980	0.031
2040	0.031
2100	0.031
2160	0.031
2220	0.031
2280	0.031
2340	0.031
2400	0.031
2460	0.044
2520	0.036
2580	0.032
2640	0.032
2700	0.032
2760	0.032
2820	0.033
2880	0.033
2940	0.032
3000	0.032
3060	0.033
3120	0.033
3180	0.033
3240	0.033
3300	0.033
3360	0.034
3420	0.033
3480	0.033
3540	0.033
3600	0.033
3660	0.033
3720	0.034
3780	0.034
3840	0.034
3900	0.034
3960	0.034
4020	0.034
4080	0.033
4140	0.033
4200	0.033
4260	0.034
4320	0.033
4380	0.033
4440	0.033
4500	0.033
4560	0.034
4620	0.033
4680	0.033
4740	0.033
4800	0.033

4860	0.033
4920	0.033
4980	0.033
5040	0.033
5100	0.033
5160	0.033
5220	0.033
5280	0.033
5340	0.033
5400	0.032
5460	0.033
5520	0.032
5580	0.032
5640	0.033
5700	0.032
5760	0.032
5820	0.032
5880	0.032
5940	0.032
6000	0.032
6060	0.032
6120	0.031
6180	0.032
6240	0.032
6300	0.032
6360	0.032
6420	0.032
6480	0.032
6540	0.032
6600	0.032
6660	0.032
6720	0.032
6780	0.032
6840	0.032
6900	0.032
6960	0.031
7020	0.031
7080	0.031
7140	0.078
7200	0.035
7260	0.03
7320	0.03
7380	0.029
7440	0.029
7500	0.029
7560	0.029
7620	0.029
7680	0.029
7740	0.029
7800	0.029

7860	0.029
7920	0.029
7980	0.028
8040	0.028
8100	0.028
8160	0.028
8220	0.028
8280	0.028
8340	0.028
8400	0.028
8460	0.028
8520	0.029
8580	0.028
8640	0.028
8700	0.028
8760	0.028
8820	0.028
8880	0.028
8940	0.028
9000	0.028
9060	0.028
9120	0.028
9180	0.028
9240	0.028
9300	0.028
9360	0.027
9420	0.027
9480	0.027
9540	0.027
9600	0.027
9660	0.027
9720	0.027
9780	0.027
9840	0.027
9900	0.027
9960	0.027
10020	0.027
10080	0.027
10140	0.027
10200	0.027
10260	0.027
10320	0.026
10380	0.026
10440	0.026
10500	0.026
10560	0.026
10620	0.025
10680	0.026
10740	0.025
10800	0.025

10860	0.025
10920	0.025
10980	0.025
11040	0.025
11100	0.025
11160	0.025
11220	0.025
11280	0.024
11340	0.024
11400	0.024
11460	0.024
11520	0.024
11580	0.024
11640	0.024
11700	0.024
11760	0.024
11820	0.024
11880	0.024
11940	0.024
12000	0.024
12060	0.024
12120	0.024
12180	0.024
12240	0.024
12300	0.024
12360	0.025
12420	0.025
12480	0.025
12540	0.025
12600	0.025
12660	0.025
12720	0.025
12780	0.025
12840	0.025
12900	0.025
12960	0.025
13020	0.025
13080	0.024
13140	0.025
13200	0.024
13260	0.024
13320	0.024
13380	0.024
13440	0.024
13500	0.024
13560	0.024
13620	0.023
13680	0.023
13740	0.023
13800	0.023

13860	0.022
13920	0.022
13980	0.022
14040	0.022
14100	0.022
14160	0.022
14220	0.022
14280	0.021
14340	0.021
14400	0.021
14460	0.021
14520	0.021
14580	0.021
14640	0.074
14700	0.037
14760	0.022
14820	0.021
14880	0.02
14940	0.02
15000	0.02
15060	0.02
15120	0.02
15180	0.019
15240	0.02
15300	0.02
15360	0.019
15420	0.019
15480	0.019
15540	0.019
15600	0.019
15660	0.019
15720	0.018
15780	0.018
15840	0.018
15900	0.018
15960	0.018
16020	0.017
16080	0.017
16140	0.018
16200	0.017
16260	0.017
16320	0.017
16380	0.018
16440	0.017
16500	0.017
16560	0.017
16620	0.017
16680	0.018
16740	0.017
16800	0.016

16860	0.016
16920	0.016
16980	0.016
17040	0.016
17100	0.016
17160	0.016
17220	0.016
17280	0.016
17340	0.016
17400	0.016
17460	0.015
17520	0.015
17580	0.015
17640	0.015
17700	0.016
17760	0.016
17820	0.015
17880	0.015
17940	0.015
18000	0.015
18060	0.015
18120	0.014
18180	0.014
18240	0.014
18300	0.014
18360	0.014
18420	0.014
18480	0.014
18540	0.014
18600	0.013
18660	0.013
18720	0.012
18780	0.012
18840	0.012
18900	0.013
18960	0.012
19020	0.012
19080	0.013
19140	0.014
19200	0.014
19260	0.014
19320	0.013
19380	0.013
19440	0.013
19500	0.013
19560	0.013
19620	0.013
19680	0.013
19740	0.013
19800	0.013

19860	0.012
19920	0.013
19980	0.012
20040	0.012
20100	0.012
20160	0.012
20220	0.012
20280	0.011
20340	0.011
20400	0.011
20460	0.01
20520	0.01
20580	0.01
20640	0.01
20700	0.01
20760	0.01
20820	0.01
20880	0.009
20940	0.009
21000	0.01
21060	0.01
21120	0.01
21180	0.01
21240	0.009
21300	0.009
21360	0.009
21420	0.009
21480	0.009
21540	0.009
21600	0.009
21660	0.009
21720	0.008
21780	0.008
21840	0.008
21900	0.008
21960	0.008
22020	0.008
22080	0.008
22140	0.008
22200	0.008
22260	0.008
22320	0.008
22380	0.008
22440	0.008
22500	0.008
22560	0.008
22620	0.008
22680	0.008
22740	0.008
22800	0.008

22860	0.008
22920	0.008
22980	0.008
23040	0.008
23100	0.008
23160	0.008
23220	0.008
23280	0.008
23340	0.009
23400	0.008
23460	0.008
23520	0.008
23580	0.008
23640	0.008
23700	0.008
23760	0.008
23820	0.009
23880	0.008
23940	0.008
24000	0.008
24060	0.008
24120	0.007
24180	0.007
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24540	0.008
24600	0.008
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24780	0.008
24840	0.009
24900	0.009
24960	0.009
25020	0.009
25080	0.008
25140	0.008
25200	0.008
25260	0.008
25320	0.008
25380	0.008
25440	0.008
25500	0.009
25560	0.008
25620	0.009
25680	0.008
25740	0.009
25800	0.009

25860	0.009
25920	0.009
25980	0.009
26040	0.009
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26160	0.009
26220	0.009
26280	0.009
26340	0.008
26400	0.009
26460	0.009
26520	0.009
26580	0.009
26640	0.008
26700	0.008
26760	0.009
26820	0.009
26880	0.008
26940	0.008
27000	0.009
27060	0.008
27120	0.009
27180	0.008
27240	0.008
27300	0.008
27360	0.008
27420	0.008
27480	0.008
27540	0.008
27600	0.008
27660	0.008
27720	0.008
27780	0.008
27840	0.008
27900	0.008
27960	0.008
28020	0.008
28080	0.008
28140	0.008
28200	0.007
28260	0.008
28320	0.011
28380	0.008
28440	0.008
28500	0.017

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_021	
Test Start Time		7:26:31 AM
Test Start Date		12/6/2017
Test Length [D:H:M]		1:06:30
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0
Mass Minimum [mg/m3]		-0.007
Mass Maximum [mg/m3]		0.068
Mass TWA [mg/m3]		0
Photometric User Cal		0.9
Flow User Cal		0
Errors	Flow Error	
Number of Samples		1830

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.002	
120		0.002	
180		0.002	
240		0.001	
300		0.001	
360		0	
420		0	
480		0.001	
540		0.001	
600		0.001	
660		0.01	
720		0.015	
780		0.014	
840		0.002	
900		0	
960		-0.001	
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	0.001

4860	0.001
4920	0.001
4980	0.001
5040	0
5100	0
5160	0
5220	0.001
5280	0
5340	0.001
5400	0.001
5460	0.001
5520	0.001
5580	0.004
5640	0.009
5700	0.004
5760	0.003
5820	0.002
5880	0.006
5940	0.009
6000	0.002
6060	0.002
6120	0.002
6180	0.003
6240	0.004
6300	0.013
6360	0.01
6420	0.003
6480	0.007
6540	0.003
6600	0.003
6660	0.002
6720	0.001
6780	0.002
6840	0.003
6900	0.005
6960	0.005
7020	0.003
7080	0.002
7140	0.003
7200	0.004
7260	0.003
7320	0.005
7380	0.004
7440	0.004
7500	0.001
7560	0.001
7620	0.002
7680	0.001
7740	0.003
7800	0.004

7860	0.002
7920	0.001
7980	0.001
8040	0.001
8100	0.001
8160	0.002
8220	0.001
8280	0.002
8340	0.006
8400	0.007
8460	0.002
8520	0.002
8580	0.003
8640	0.005
8700	0.002
8760	0.003
8820	0.002
8880	0.001
8940	0.001
9000	0.001
9060	0.001
9120	0.001
9180	0.001
9240	0.001
9300	0.001
9360	0.001
9420	0.001
9480	0.001
9540	0.001
9600	0
9660	0.001
9720	0.001
9780	0.001
9840	0.002
9900	0.001
9960	0.001
10020	0.001
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	0.001
11640	0
11700	0
11760	0.001
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	-0.001
12900	-0.001
12960	0
13020	-0.001
13080	-0.001
13140	-0.001
13200	-0.001
13260	-0.001
13320	-0.001
13380	-0.002
13440	-0.002
13500	-0.002
13560	-0.002
13620	-0.001
13680	-0.001
13740	-0.001
13800	0

13860	-0.001
13920	-0.001
13980	-0.001
14040	-0.001
14100	-0.001
14160	-0.002
14220	-0.002
14280	-0.001
14340	-0.001
14400	-0.001
14460	-0.002
14520	-0.001
14580	0.014
14640	0.038
14700	0.046
14760	0.025
14820	0
14880	0
14940	0.01
15000	0.003
15060	-0.001
15120	0
15180	-0.002
15240	-0.002
15300	-0.002
15360	-0.001
15420	-0.002
15480	-0.002
15540	-0.002
15600	-0.002
15660	-0.002
15720	-0.002
15780	-0.002
15840	-0.002
15900	-0.001
15960	-0.002
16020	-0.002
16080	-0.002
16140	-0.002
16200	-0.002
16260	-0.002
16320	-0.002
16380	-0.002
16440	-0.002
16500	-0.002
16560	-0.002
16620	-0.002
16680	-0.002
16740	-0.002
16800	-0.002

16860	-0.002
16920	-0.002
16980	-0.002
17040	-0.002
17100	-0.002
17160	-0.002
17220	-0.002
17280	-0.002
17340	-0.002
17400	-0.002
17460	0
17520	-0.002
17580	-0.002
17640	-0.001
17700	0
17760	-0.001
17820	-0.002
17880	-0.002
17940	-0.002
18000	-0.001
18060	0.011
18120	0
18180	-0.001
18240	0
18300	0
18360	-0.001
18420	-0.001
18480	-0.001
18540	-0.001
18600	-0.001
18660	-0.001
18720	-0.001
18780	-0.001
18840	-0.001
18900	0
18960	-0.001
19020	-0.001
19080	-0.001
19140	-0.001
19200	-0.001
19260	-0.001
19320	0
19380	0.003
19440	0
19500	-0.001
19560	-0.001
19620	-0.001
19680	-0.001
19740	-0.001
19800	0

19860	0
19920	0
19980	0
20040	0
20100	0
20160	0
20220	0
20280	0
20340	0
20400	0
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20520	0
20580	0
20640	0
20700	0
20760	0
20820	0
20880	0
20940	0
21000	0
21060	-0.001
21120	0
21180	0
21240	0
21300	0
21360	0
21420	0
21480	0
21540	0
21600	0
21660	0
21720	0
21780	0
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22620	0
22680	0
22740	0
22800	0

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22920	0
22980	0
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23100	0
23160	0
23220	0
23280	0
23340	0
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23460	0
23520	0
23580	0
23640	0
23700	0.004
23760	0.002
23820	0
23880	0.003
23940	0.003
24000	0.001
24060	0.008
24120	0.002
24180	0.006
24240	0.001
24300	0.014
24360	0.024
24420	0.009
24480	0.002
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24720	0.007
24780	0.004
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25020	0.019
25080	0.008
25140	0.006
25200	0.007
25260	0.005
25320	0.006
25380	0.003
25440	0.006
25500	0.009
25560	0.006
25620	0.007
25680	0.003
25740	0.005
25800	0.004

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25920	0
25980	0.001
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26460	0
26520	0
26580	0
26640	0
26700	0
26760	0
26820	0
26880	0
26940	0.001
27000	0
27060	0
27120	0
27180	0
27240	0
27300	0.002
27360	0
27420	0
27480	0
27540	0
27600	0
27660	0
27720	0
27780	0
27840	0
27900	0
27960	0
28020	0
28080	0
28140	0
28200	0
28260	0
28320	0
28380	0
28440	0.001
28500	0
28560	0.001
28620	0
28680	0
28740	0
28800	0.006

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28920	0
28980	0.008
29040	0.01
29100	0.037
29160	0.041
29220	0.034
29280	0.031
29340	0.025
29400	0.025
29460	0.023
29520	0.021
29580	0.04
29640	0.044
29700	0.03
29760	0.027
29820	0.031
29880	0.033
29940	0.026
30000	0.023
30060	0.022
30120	0.019
30180	0.016
30240	0.016
30300	0.013
30378	0
30420	0.025
30480	0.068
30540	0.06
30600	0.044
30660	0.025
30720	0.02
30780	0.015
30840	0.012
30900	0.008
30960	0.007
31020	0.007
31080	0.006
31140	0.004
31200	0.004
31260	0.003
31320	0.002
31380	0.002
31440	0.002
31500	0.002
31560	0
31620	0
31680	0
31740	-0.001
31800	-0.001

31860	-0.002
31920	-0.002
31980	-0.002
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32100	-0.002
32160	-0.002
32220	-0.002
32280	-0.002
32340	-0.002
32400	-0.003
32460	-0.003
32520	-0.003
32580	-0.004
32640	-0.004
32700	-0.004
32760	-0.004
32820	-0.004
32880	-0.004
32940	-0.003
33000	-0.005
33060	-0.005
33120	-0.004
33180	-0.004
33240	-0.004
33300	-0.004
33360	-0.005
33420	-0.005
33480	-0.005
33540	-0.005
33600	-0.005
33660	-0.005
33720	-0.005
33780	-0.005
33840	-0.005
33900	-0.005
33960	-0.006
34020	-0.005
34080	-0.005
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34260	-0.005
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34560	-0.006
34620	-0.005
34680	-0.006
34740	-0.006
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35580	-0.006
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37560	-0.006
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37680	-0.007
37740	-0.007
37800	-0.006

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38220	-0.006
38280	-0.006
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38400	-0.006
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38580	-0.007
38640	-0.006
38700	-0.007
38760	-0.007
38820	-0.006
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38940	-0.007
39000	-0.007
39060	-0.007
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39600	-0.007
39660	-0.007
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40080	-0.006
40140	-0.007
40200	-0.006
40260	-0.006
40320	-0.006
40380	-0.006
40440	-0.007
40500	-0.007
40560	-0.007
40620	-0.007
40680	-0.007
40740	-0.007
40800	-0.007

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41040	-0.006
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41160	-0.006
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41280	-0.007
41340	-0.006
41400	-0.007
41460	-0.007
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42180	-0.007
42240	-0.007
42300	-0.007
42360	-0.007
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42480	-0.007
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42600	-0.007
42660	-0.007
42720	-0.007
42780	-0.006
42840	-0.007
42900	-0.007
42960	-0.006
43020	-0.007
43080	-0.007
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43200	-0.007
43260	-0.007
43320	-0.007
43380	-0.006
43440	-0.007
43500	-0.007
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98460	0.009
98520	0.009
98580	0.009
98640	0.009
98700	0.009
98760	0.009
98820	0.009
98880	0.009
98940	0.011
99000	0.009
99060	0.009
99120	0.009
99180	0.009
99240	0.009
99300	0.009
99360	0.009
99420	0.009
99480	0.009
99540	0.009
99600	0.009
99660	0.009
99720	0.022
99780	0.015
99840	0.015
99900	0.01
99960	0.009
100020	0.009
100080	0.009
100140	0.01
100200	0.012
100260	0.016
100320	0.011
100380	0.009
100440	0.009
100500	0.01
100560	0.009
100620	0.009
100680	0.009
100740	0.009

100800	0.009
100860	0.009
100920	0.009
100980	0.009
101040	0.009
101100	0.009
101160	0.009
101220	0.01
101280	0.009
101340	0.009
101400	0.009
101460	0.009
101520	0.009
101580	0.009
101640	0.009
101700	0.009
101760	0.008
101820	0.009
101880	0.008
101940	0.008
102000	0.008
102060	0.009
102120	0.009
102180	0.009
102240	0.009
102300	0.008
102360	0.008
102420	0.008
102480	0.009
102540	0.009
102600	0.008
102660	0.008
102720	0.009
102780	0.009
102840	0.009
102900	0.009
102960	0.009
103020	0.009
103080	0.009
103140	0.008
103200	0.009
103260	0.009
103320	0.009
103380	0.009
103440	0.008
103500	0.009
103560	0.009

103620	0.008
103680	0.009
103740	0.009
103800	0.009
103860	0.008
103920	0.009
103980	0.009
104040	0.009
104100	0.009
104160	0.009
104220	0.009
104280	0.009
104340	0.009
104400	0.009
104460	0.009
104520	0.009
104580	0.009
104640	0.008
104700	0.009
104760	0.009
104820	0.009
104880	0.011
104940	0.009
105000	0.009
105060	0.009
105120	0.009
105180	0.009
105240	0.008
105300	0.009
105360	0.008
105420	0.008
105480	0.009
105540	0.009
105600	0.008
105660	0.012
105720	0.019
105780	0.024
105840	0.012
105900	0.008
105960	0.008
106020	0.008
106080	0.008
106140	0.008
106200	0.008
106260	0.007
106320	0.007
106380	0.009

106440	0.008	
106500	0.01	
106560	0.008	
106620	0.007	
106680	0.007	
106740	0.007	
106800	0.007	
106860	0.007	
106920	0.007	
106980	0.007	
107040	0.007	
107100	0.007	
107160	0.007	
107220	0.01	
107280	0.007	
107340	0.007	
107400	0.007	
107460	0.008	
107520	0.009	
107580	0.008	
107640	0.008	
107700	0.008	
107760	0.007	
107820	0.009	
107880	0.008	
107940	0.007	
108000	0.007	
108060	0.007	
108120	0.007	
108180	0.007	
108240	0.007	
108300	0.007	
108360	0.007	
108420	0.007	
108480	0.007	
108540	0.007	
108600	0.007	
108660	0.007	
108720	0.007	
108780	0.007	
108840	0.007	
108900	0.007	
108960	0.007	
109020	0.007	
109080	0.006	
109140	0.014	Flow Error
109200	0.001	Flow Error

109260	0.001	Flow Error
109320	0.001	Flow Error
109380	-0.002	Flow Error
109440	-0.004	Flow Error
109500	-0.004	Flow Error
109560	-0.004	Flow Error
109620	-0.004	Flow Error
109680	-0.004	Flow Error
109740	-0.004	Flow Error
109800	-0.005	Flow Error

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151509
Firmware Version	3.3
Calibration Date	4/8/2015
Test Name	MANUAL_022
Test Start Time	6:43:55 AM
Test Start Date	12/11/2017
Test Length [D:H:M]	0:09:19
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	-0.002
Mass Maximum [mg/m3]	0.024
Mass TWA [mg/m3]	0.004
Photometric User Cal	0.9
Flow User Cal	0
Errors	
Number of Samples	559

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.003	
120		0.002	
180		0.001	
240		0.001	
300		0.001	
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		-0.001	
1380		-0.001	
1440		-0.001	
1500		-0.001	
1560		-0.001	
1620		-0.001	
1680		-0.002	
1740		-0.002	
1800		-0.001	

1860	-0.002
1920	-0.001
1980	-0.002
2040	-0.001
2100	-0.001
2160	-0.001
2220	-0.002
2280	-0.002
2340	-0.002
2400	-0.002
2460	-0.002
2520	-0.002
2580	-0.002
2640	0.001
2700	0
2760	0
2820	0
2880	0
2940	0
3000	0.007
3060	0.008
3120	0.009
3180	0.009
3240	0.009
3300	0.009
3360	0.009
3420	0.01
3480	0.01
3540	0.01
3600	0.01
3660	0.011
3720	0.011
3780	0.011
3840	0.011
3900	0.011
3960	0.011
4020	0.011
4080	0.012
4140	0.012
4200	0.012
4260	0.012
4320	0.011
4380	0.011
4440	0.012
4500	0.011
4560	0.012
4620	0.012
4680	0.011
4740	0.011
4800	0.011

4860	0.011
4920	0.011
4980	0.012
5040	0.011
5100	0.011
5160	0.011
5220	0.011
5280	0.01
5340	0.011
5400	0.01
5460	0.011
5520	0.011
5580	0.01
5640	0.01
5700	0.01
5760	0.01
5820	0.008
5880	0.008
5940	0.008
6000	0.008
6060	0.008
6120	0.008
6180	0.008
6240	0.009
6300	0.01
6360	0.01
6420	0.01
6480	0.01
6540	0.01
6600	0.01
6660	0.011
6720	0.012
6780	0.014
6840	0.014
6900	0.014
6960	0.014
7020	0.014
7080	0.016
7140	0.016
7200	0.016
7260	0.017
7320	0.018
7380	0.019
7440	0.019
7500	0.019
7560	0.019
7620	0.02
7680	0.02
7740	0.02
7800	0.021

7860	0.021
7920	0.021
7980	0.021
8040	0.021
8100	0.021
8160	0.022
8220	0.022
8280	0.023
8340	0.023
8400	0.023
8460	0.023
8520	0.023
8580	0.023
8640	0.023
8700	0.023
8760	0.023
8820	0.024
8880	0.024
8940	0.023
9000	0.023
9060	0.024
9120	0.024
9180	0.024
9240	0.023
9300	0.023
9360	0.023
9420	0.023
9480	0.023
9540	0.022
9600	0.02
9660	0.02
9720	0.019
9780	0.018
9840	0.017
9900	0.016
9960	0.016
10020	0.016
10080	0.015
10140	0.015
10200	0.015
10260	0.015
10320	0.01
10380	0.006
10440	0.003
10500	0.002
10560	0.002
10620	0.001
10680	0.001
10740	0.001
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	0.001
11760	0.002
11820	0.001
11880	0.001
11940	0.002
12000	0.002
12060	0.003
12120	0.002
12180	0.002
12240	0.001
12300	0.002
12360	0.001
12420	0.002
12480	0.002
12540	0.002
12600	0.002
12660	0.002
12720	0.001
12780	0.001
12840	0.001
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	0.001
14040	0.001
14100	0
14160	0
14220	0
14280	0
14340	0
14400	0
14460	0
14520	0.001
14580	0
14640	0.001
14700	0.001
14760	0.001
14820	0.001
14880	0.001
14940	0
15000	0.003
15060	0.011
15120	0.001
15180	0.001
15240	0.001
15300	0.001
15360	0
15420	0.001
15480	0.001
15540	0.001
15600	0.001
15660	0.001
15720	0.002
15780	0
15840	0
15900	0
15960	0
16020	0
16080	0
16140	0.001
16200	0.001
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	0.001
17160	0.001
17220	0.001
17280	0.001
17340	0.001
17400	0.001
17460	0.001
17520	0.001
17580	0.001
17640	0.001
17700	0.001
17760	0.001
17820	0.001
17880	0.001
17940	0
18000	0
18060	0
18120	0
18180	0
18240	0
18300	0
18360	0
18420	0.001
18480	0.001
18540	0.001
18600	0.002
18660	0.002
18720	0.001
18780	0.001
18840	0
18900	0
18960	0
19020	0.001
19080	0.001
19140	0.001
19200	0.002
19260	0.001
19320	0.001
19380	0.001
19440	0.002
19500	0.002
19560	0.002
19620	0.001
19680	0
19740	0
19800	0

19860	0.001
19920	0.001
19980	0.001
20040	0.001
20100	0.001
20160	0.001
20220	0.002
20280	0.002
20340	0.003
20400	0.004
20460	0.001
20520	0
20580	0
20640	0
20700	0
20760	0
20820	0
20880	0
20940	0
21000	0
21060	0
21120	0
21180	0
21240	0
21300	0
21360	0
21420	0
21480	0
21540	0
21600	0
21660	0
21720	0
21780	0
21840	0
21900	0
21960	0
22020	0
22080	0
22140	0
22200	0
22260	0
22320	0
22380	0
22440	0
22500	0
22560	0
22620	0
22680	0
22740	0
22800	0

22860	0
22920	0
22980	0
23040	0
23100	0
23160	0
23220	0
23280	0
23340	0
23400	0
23460	0
23520	0
23580	0
23640	0.001
23700	0.001
23760	0
23820	0.001
23880	0.001
23940	0.001
24000	0
24060	0
24120	0
24180	0.001
24240	0
24300	0
24360	0
24420	0
24480	0
24540	0
24600	0
24660	0
24720	0
24780	0
24840	0
24900	0
24960	0
25020	0
25080	0
25140	0
25200	0
25260	0.001
25320	0.001
25380	0.001
25440	0.001
25500	0.001
25560	0.001
25620	0.001
25680	0.001
25740	0.001
25800	0.001

25860	0.001
25920	0.001
25980	0.001
26040	0.001
26100	0.001
26160	0
26220	0.001
26280	0
26340	0.001
26400	0.001
26460	0
26520	0.001
26580	0
26640	0.001
26700	0.001
26760	0
26820	0
26880	0
26940	0
27000	0
27060	0
27120	0
27180	0
27240	0
27300	0
27360	0.001
27420	0
27480	0
27540	0
27600	0.001
27660	0
27720	0
27780	0
27840	0
27900	0.001
27960	0
28020	0
28080	0
28140	0
28200	0
28260	0
28320	0
28380	0.003
28440	0.001
28500	0
28560	0.001
28620	0.001
28680	0.001
28740	0
28800	0.001

28860	0
28920	0
28980	0
29040	0
29100	0.001
29160	0.001
29220	0.002
29280	0.001
29340	0.001
29400	0.002
29460	0.001
29520	0.001
29580	0.002
29640	0.001
29700	0.001
29760	0.001
29820	0.001
29880	0.001
29940	0.001
30000	0.001
30060	0.001
30120	0.002
30180	0.001
30240	0.001
30300	0.001
30360	0.001
30420	0.002
30480	0.001
30540	0.001
30600	0.001
30660	0.001
30720	0.001
30780	0.001
30840	0.001
30900	0.001
30960	0.005
31020	0.005
31080	0.005
31140	0.004
31200	0.005
31260	0.004
31320	0.004
31380	0.004
31440	0.003
31500	0.002
31560	0.002
31620	0.001
31680	0.001
31740	0.001
31800	0.001

31860	0
31920	0
31980	0
32040	0
32100	0
32160	0
32220	0
32280	-0.001
32340	0
32400	-0.001
32460	-0.001
32520	-0.001
32580	-0.001
32640	-0.001
32700	-0.001
32760	-0.001
32820	-0.001
32880	-0.001
32940	-0.001
33000	-0.001
33060	-0.002
33120	-0.002
33180	-0.002
33240	-0.002
33300	-0.002
33360	-0.002
33420	-0.002
33480	-0.002
33540	-0.002

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_023	
Test Start Time		6:36:29 AM
Test Start Date		12/12/2017
Test Length [D:H:M]		0:11:11
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.011
Mass Minimum [mg/m3]		-0.009
Mass Maximum [mg/m3]		0.056
Mass TWA [mg/m3]		0.016
Photometric User Cal		0.9
Flow User Cal		0
Errors	Flow Error	
Number of Samples		671

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.014	
120		0.018	
180		0.02	
240		0.018	
300		0.015	
360		0.013	
420		0.011	
480		0.009	
540		0.008	
600		0.007	
660		0.006	
720		0.005	
780		0.005	
840		0.004	
900		0.004	
960		0.004	
1020		0.003	
1080		0.003	
1140		0.004	
1200		0.004	
1260		0.004	
1320		0.003	
1380		0.003	
1440		0.003	
1500		0.003	
1560		0.002	
1620		0.002	
1680		0.001	
1740		0.001	
1800		0.001	

1860	0.001
1920	0.001
1980	0.001
2040	0.001
2100	0.002
2160	0.001
2220	0.001
2280	0.001
2340	0.001
2400	0.001
2460	0
2520	0
2580	0
2640	0
2700	0
2760	0
2820	0
2880	0.002
2940	0.004
3000	0.004
3060	0.004
3120	0.002
3180	0.003
3240	0.002
3300	0.002
3360	0.003
3420	0.002
3480	0.002
3540	0.002
3600	0.002
3660	0.002
3720	0.002
3780	0.001
3840	0.001
3900	0.002
3960	0.002
4020	0.002
4080	0.002
4140	0.002
4200	0.002
4260	0.002
4320	0.001
4380	0.001
4440	0.001
4500	0
4560	0.001
4620	0
4680	0
4740	0
4800	0

4860	0
4920	0.001
4980	0.001
5040	0.001
5100	0.002
5160	0.002
5220	0.002
5280	0.002
5340	0.002
5400	0.002
5460	0.002
5520	0.002
5580	0.002
5640	0.002
5700	0.002
5760	0.003
5820	0.002
5880	0.003
5940	0.004
6000	0.006
6060	0.007
6120	0.009
6180	0.009
6240	0.009
6300	0.008
6360	0.018
6420	0.022
6480	0.022
6540	0.021
6600	0.026
6660	0.023
6720	0.024
6780	0.024
6840	0.024
6900	0.024
6960	0.024
7020	0.025
7080	0.027
7140	0.029
7200	0.027
7260	0.026
7320	0.026
7380	0.026
7440	0.025
7500	0.026
7560	0.027
7620	0.041
7680	0.028
7740	0.028
7800	0.029

7860	0.028
7920	0.038
7980	0.031
8040	0.032
8100	0.032
8160	0.031
8220	0.034
8280	0.052
8340	0.037
8400	0.031
8460	0.029
8520	0.029
8580	0.031
8640	0.03
8700	0.031
8760	0.03
8820	0.03
8880	0.033
8940	0.032
9000	0.03
9060	0.031
9120	0.031
9180	0.033
9240	0.031
9300	0.031
9360	0.031
9420	0.031
9480	0.031
9540	0.031
9600	0.031
9660	0.031
9720	0.031
9780	0.031
9840	0.032
9900	0.032
9960	0.032
10020	0.032
10080	0.032
10140	0.033
10200	0.033
10260	0.033
10320	0.033
10380	0.034
10440	0.034
10500	0.034
10560	0.035
10620	0.034
10680	0.034
10740	0.035
10800	0.035

10860	0.035
10920	0.035
10980	0.035
11040	0.035
11100	0.035
11160	0.036
11220	0.037
11280	0.037
11340	0.036
11400	0.036
11460	0.036
11520	0.036
11580	0.037
11640	0.038
11700	0.037
11760	0.037
11820	0.039
11880	0.042
11940	0.056
12000	0.047
12060	0.047
12120	0.037
12180	0.043
12240	0.055
12300	0.037
12360	0.037
12420	0.037
12480	0.037
12540	0.037
12600	0.037
12660	0.036
12720	0.037
12780	0.037
12840	0.038
12900	0.036
12960	0.036
13020	0.037
13080	0.037
13140	0.037
13200	0.037
13260	0.037
13320	0.037
13380	0.037
13440	0.036
13500	0.035
13560	0.035
13620	0.033
13680	0.033
13740	0.032
13800	0.031

13860	0.032
13920	0.032
13980	0.032
14040	0.031
14100	0.033
14160	0.033
14220	0.033
14280	0.033
14340	0.033
14400	0.033
14460	0.032
14520	0.033
14580	0.031
14640	0.03
14700	0.03
14760	0.031
14820	0.029
14880	0.031
14940	0.029
15000	0.031
15060	0.033
15120	0.027
15180	0.027
15240	0.025
15300	0.026
15360	0.026
15420	0.024
15480	0.024
15540	0.024
15600	0.024
15660	0.024
15720	0.024
15780	0.023
15840	0.022
15900	0.022
15960	0.021
16020	0.022
16080	0.021
16140	0.02
16200	0.021
16260	0.022
16320	0.022
16380	0.022
16440	0.02
16500	0.019
16560	0.019
16620	0.02
16680	0.02
16740	0.02
16800	0.019

16860	0.019
16920	0.04
16980	0.047
17040	0.022
17100	0.02
17160	0.024
17220	0.021
17280	0.02
17340	0.021
17400	0.024
17460	0.02
17520	0.025
17580	0.038
17640	0.031
17700	0.029
17760	0.021
17820	0.02
17880	0.023
17940	0.025
18000	0.026
18060	0.019
18120	0.019
18180	0.019
18240	0.021
18300	0.019
18360	0.018
18420	0.018
18480	0.019
18540	0.018
18600	0.018
18660	0.019
18720	0.019
18780	0.021
18840	0.019
18900	0.019
18960	0.019
19020	0.019
19080	0.019
19140	0.019
19200	0.021
19260	0.02
19320	0.019
19380	0.021
19440	0.019
19500	0.02
19560	0.021
19620	0.02
19680	0.019
19740	0.022
19800	0.019

19860	0.02
19920	0.022
19980	0.019
20040	0.019
20100	0.019
20160	0.017
20220	0.019
20280	0.016
20340	0.016
20400	0.016
20460	0.016
20520	0.016
20580	0.017
20640	0.016
20700	0.016
20760	0.016
20820	0.016
20880	0.016
20940	0.016
21000	0.016
21060	0.015
21120	0.015
21180	0.013
21240	0.012
21300	0.012
21360	0.012
21420	0.011
21480	0.011
21540	0.01
21600	0.011
21660	0.01
21720	0.009
21780	0.008
21840	0.008
21900	0.007
21960	0.007
22020	0.007
22080	0.007
22140	0.006
22200	0.006
22260	0.006
22320	0.005
22380	0.002
22440	0.001
22500	0.002
22560	0.006
22620	0.011
22680	0.014
22740	0.01
22800	0.002

22860	0.023
22920	0.005
22980	0.002
23040	0.002
23100	0.006
23160	0
23220	0.007
23280	0.009
23340	0.002
23400	0.001
23460	0
23520	0.004
23580	0.007
23640	0.011
23700	0.008
23760	0.002
23820	0
23880	0.004
23940	0
24000	0
24060	0
24120	0
24180	0
24240	0
24300	0.001
24360	0
24420	0.002
24480	0
24540	0.003
24600	0
24660	-0.001
24720	0
24780	0
24840	0.002
24900	0.005
24960	0
25020	0
25080	0.004
25140	0.022
25200	0
25260	0.005
25320	0.001
25380	0.003
25440	0.002
25500	0
25560	0
25620	0.001
25680	0.003
25740	0.003
25800	0

25860	-0.001
25920	0.006
25980	0.007
26040	0.003
26100	0.004
26160	0.008
26220	0
26280	0.015
26340	0
26400	-0.001
26460	0.012
26520	0.004
26580	-0.001
26640	0.001
26700	-0.001
26760	-0.001
26820	0
26880	-0.001
26940	0
27000	0.019
27060	0.008
27120	0.005
27180	0
27240	0.01
27300	0.006
27360	0.007
27420	0
27480	0.011
27540	0.004
27600	0.002
27660	0.003
27720	0
27780	0.004
27840	0.001
27900	0.003
27960	-0.001
28020	-0.001
28080	-0.001
28140	0.003
28200	0.005
28260	0.015
28320	0.002
28380	0
28440	0.012
28500	0.002
28560	0.014
28620	0.013
28680	0.006
28740	0.007
28800	0

28860	0.002
28920	0.003
28980	0
29040	0.002
29100	0.003
29160	0.002
29220	0
29280	0
29340	0
29400	0.001
29460	0.003
29520	0
29580	0.003
29640	0.003
29700	0.001
29760	0.004
29820	0.008
29880	0
29940	0.001
30000	0.005
30060	0.001
30120	0.001
30180	0.001
30240	0
30300	0.002
30360	0
30420	0
30480	0.001
30540	0
30600	0
30660	0
30720	0
30780	0
30840	0
30900	0.001
30960	0.001
31020	0
31080	0.001
31140	0.001
31200	0.001
31260	0
31320	0
31380	0
31440	0
31500	0
31560	0
31620	0
31680	0
31740	0
31800	0

31860	0
31920	0
31980	0
32040	0
32100	-0.001
32160	-0.001
32220	-0.001
32280	-0.001
32340	-0.002
32400	-0.002
32460	-0.002
32520	-0.003
32580	-0.003
32640	-0.003
32700	-0.003
32760	-0.003
32820	-0.004
32880	-0.003
32940	-0.004
33000	-0.004
33060	-0.004
33120	-0.004
33180	-0.004
33240	-0.004
33300	-0.004
33360	-0.004
33420	-0.004
33480	-0.005
33540	-0.005
33600	-0.005
33660	-0.005
33720	-0.005
33780	-0.005
33840	-0.005
33900	-0.005
33960	-0.005
34020	-0.005
34080	-0.005
34140	-0.005
34200	-0.005
34260	-0.005
34320	-0.005
34380	-0.005
34440	-0.006
34500	-0.006
34560	-0.006
34620	-0.006
34680	-0.006
34740	-0.006
34800	-0.006

34860	-0.006
34920	-0.006
34980	-0.006
35040	-0.006
35100	-0.006
35160	-0.006
35220	-0.006
35280	-0.006
35340	-0.006
35400	-0.006
35460	-0.006
35520	-0.006
35580	-0.006
35640	-0.006
35700	-0.006
35760	-0.006
35820	-0.006
35880	-0.006
35940	-0.006
36000	-0.006
36060	-0.006
36120	-0.006
36180	-0.006
36240	-0.006
36300	-0.006
36360	-0.006
36420	-0.006
36480	-0.006
36540	-0.006
36600	-0.006
36660	-0.006
36720	-0.006
36780	-0.006
36840	-0.006
36900	-0.006
36960	-0.006
37020	-0.006
37080	-0.006
37140	-0.006
37200	-0.006
37260	-0.006
37320	-0.006
37380	-0.006
37440	-0.007
37500	-0.006
37560	-0.007
37620	-0.006
37680	-0.007
37740	-0.006
37800	-0.006

37860	-0.006	
37920	-0.006	
37980	-0.007	
38040	-0.007	
38100	-0.007	
38160	-0.007	
38220	-0.007	
38280	-0.007	
38340	-0.006	
38400	-0.007	
38460	-0.007	
38520	-0.007	
38580	-0.007	
38640	-0.007	
38700	-0.007	
38760	-0.007	
38820	-0.007	
38880	-0.007	
38940	-0.007	
39000	-0.007	
39060	-0.007	
39120	-0.007	
39180	-0.007	
39240	-0.007	
39300	-0.007	
39360	-0.007	
39420	-0.007	
39480	-0.007	
39540	-0.008	Flow Error
39600	-0.008	Flow Error
39660	-0.008	Flow Error
39720	-0.008	Flow Error
39780	-0.007	Flow Error
39840	-0.009	Flow Error
39900	-0.009	Flow Error
39960	-0.009	Flow Error
40020	-0.009	Flow Error
40080	-0.009	Flow Error
40140	-0.009	Flow Error
40200	-0.009	Flow Error
40260	-0.008	Flow Error

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_024	
Test Start Time		6:29:22 AM
Test Start Date		12/13/2017
Test Length [D:H:M]		0:12:47
Test Interval [M:S]		1:00
Mass Average [mg/m3]		-0.002
Mass Minimum [mg/m3]		-0.008
Mass Maximum [mg/m3]		0.067
Mass TWA [mg/m3]		-0.001
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		767

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0	
120		-0.004	
180		-0.004	
240		-0.005	
300		-0.004	
360		-0.005	
420		-0.006	
480		-0.006	
540		-0.006	
600		-0.006	
660		-0.006	
720		-0.006	
780		-0.006	
840		-0.007	
900		-0.007	
960		-0.007	
1020		-0.007	
1080		-0.007	
1140		-0.007	
1200		-0.007	
1260		-0.007	
1320		-0.007	
1380		-0.007	
1440		-0.007	
1500		-0.007	
1560		-0.007	
1620		-0.007	
1680		-0.007	
1740		-0.008	
1800		-0.007	

1860	-0.007
1920	-0.007
1980	-0.008
2040	-0.008
2100	-0.008
2160	-0.008
2220	-0.008
2280	-0.008
2340	-0.008
2400	-0.008
2460	-0.008
2520	-0.008
2580	-0.008
2640	-0.008
2700	-0.008
2760	-0.008
2820	-0.008
2880	-0.008
2940	-0.008
3000	-0.008
3060	-0.008
3120	-0.008
3180	-0.008
3240	-0.008
3300	-0.008
3360	-0.008
3420	-0.007
3480	-0.002
3540	-0.001
3600	-0.001
3660	-0.001
3720	-0.001
3780	-0.003
3840	-0.002
3900	-0.001
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	-0.004
4500	-0.005
4560	-0.005
4620	-0.005
4680	-0.005
4740	-0.005
4800	-0.005

4860	-0.005
4920	-0.005
4980	-0.006
5040	-0.005
5100	-0.005
5160	-0.004
5220	-0.004
5280	-0.004
5340	-0.004
5400	-0.004
5460	-0.004
5520	-0.004
5580	-0.005
5640	-0.005
5700	-0.004
5760	-0.005
5820	-0.005
5880	-0.005
5940	-0.005
6000	-0.005
6060	-0.005
6120	-0.003
6180	-0.003
6240	-0.003
6300	-0.002
6360	-0.002
6420	-0.001
6480	0
6540	0
6600	0
6660	0
6720	0.001
6780	0.001
6840	0.001
6900	0
6960	0
7020	0
7080	-0.001
7140	-0.001
7200	0
7260	0.002
7320	0.001
7380	-0.002
7440	-0.006
7500	-0.005
7560	-0.005
7620	-0.006
7680	-0.004
7740	-0.002
7800	-0.002

7860	0.003
7920	0.007
7980	-0.005
8040	-0.006
8100	-0.006
8160	-0.004
8220	-0.002
8280	-0.004
8340	-0.004
8400	0.005
8460	-0.002
8520	0.006
8580	-0.003
8640	-0.003
8700	-0.005
8760	-0.001
8820	-0.005
8880	-0.003
8940	-0.001
9000	-0.004
9060	-0.005
9120	-0.004
9180	-0.001
9240	-0.004
9300	-0.004
9360	-0.004
9420	-0.004
9480	-0.004
9540	-0.002
9600	-0.004
9660	-0.004
9720	-0.002
9780	-0.004
9840	-0.003
9900	-0.002
9960	-0.003
10020	-0.002
10080	-0.003
10140	-0.002
10200	-0.002
10260	-0.003
10320	-0.003
10380	-0.001
10440	-0.002
10500	-0.002
10560	-0.002
10620	0.003
10680	-0.002
10740	-0.002
10800	0

10860	-0.002
10920	0
10980	-0.002
11040	0
11100	0.004
11160	-0.002
11220	-0.002
11280	-0.001
11340	0
11400	0
11460	0.02
11520	0.008
11580	0
11640	-0.001
11700	-0.002
11760	-0.001
11820	0.001
11880	0
11940	-0.001
12000	0
12060	0
12120	-0.001
12180	0
12240	0
12300	0
12360	0
12420	0
12480	0
12540	0
12600	-0.001
12660	0
12720	0
12780	0
12840	0.005
12900	0.002
12960	0.004
13020	0
13080	0
13140	0.004
13200	0.002
13260	0
13320	0
13380	0.001
13440	0.004
13500	0.003
13560	0.002
13620	0
13680	0.003
13740	0
13800	0

13860	0
13920	0.001
13980	0.004
14040	0.004
14100	0.001
14160	0.001
14220	0.001
14280	0.002
14340	0.003
14400	0.007
14460	0.002
14520	0.001
14580	0.001
14640	0.001
14700	0
14760	0.006
14820	0.002
14880	0.001
14940	0.001
15000	0.001
15060	0.001
15120	0.001
15180	0.001
15240	0.001
15300	0.001
15360	0.002
15420	0.001
15480	0.001
15540	0.003
15600	0.002
15660	0.001
15720	0.003
15780	0.005
15840	0.002
15900	0.002
15960	0.001
16020	0.001
16080	0
16140	0.002
16200	0.002
16260	0.003
16320	0.004
16380	0.002
16440	0.001
16500	0.001
16560	0
16620	0
16680	0
16740	0.001
16800	0.001

16860	0.003
16920	0.001
16980	0.001
17040	0.001
17100	0.002
17160	0.001
17220	0.001
17280	0
17340	0.001
17400	0
17460	0
17520	0.001
17580	0.004
17640	0.002
17700	0.002
17760	0
17820	0.001
17880	0.004
17940	0.001
18000	0.003
18060	0.002
18120	0.003
18180	0.005
18240	0.001
18300	0.001
18360	0
18420	0.001
18480	0
18540	0.001
18600	0.001
18660	0
18720	0
18780	0.001
18840	0.001
18900	0.002
18960	0.001
19020	0
19080	0
19140	0
19200	0
19260	0
19320	0.001
19380	0
19440	0
19500	0
19560	0
19620	0
19680	0
19740	0
19800	0

19860	0
19920	0
19980	0
20040	0
20100	0
20160	0
20220	0
20280	0
20340	0
20400	0
20460	0
20520	0
20580	0
20640	0
20700	0
20760	0
20820	-0.001
20880	-0.001
20940	-0.001
21000	0
21060	0
21120	-0.001
21180	-0.001
21240	-0.001
21300	0
21360	-0.001
21420	0
21480	-0.001
21540	-0.001
21600	-0.001
21660	0
21720	0
21780	0
21840	0
21900	0
21960	0
22020	0
22080	0
22140	0
22200	0
22260	0
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23640	0
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24780	0
24840	0
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25020	0
25080	0
25140	0
25200	0
25260	0
25320	0
25380	0
25440	0
25500	0
25560	0
25620	0
25680	0
25740	0
25800	0

25860	0
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26040	0
26100	0
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26220	0
26280	0
26340	0
26400	0
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26580	0
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26700	0
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26820	0
26880	0
26940	0
27000	0
27060	0
27120	0
27180	0
27240	0
27300	0
27360	0
27420	0
27480	0
27540	0
27600	0.001
27660	0.018
27720	0.014
27780	0.003
27840	0.067
27900	0.061
27960	0.004
28020	0
28080	0
28140	0
28200	0
28260	0
28320	0
28380	0
28440	0
28500	0
28560	0
28620	0
28680	0
28740	0
28800	0

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28920	0
28980	0
29040	0
29100	0
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29220	0
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29400	0
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30000	0
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30180	0
30240	0
30300	0
30360	0
30420	0
30480	0
30540	0
30600	0
30660	0
30720	0.001
30780	0.001
30840	0.001
30900	0.001
30960	0.001
31020	0.001
31080	0
31140	0
31200	0.001
31260	0
31320	0
31380	0
31440	0
31500	0
31560	0.001
31620	0
31680	0
31740	0
31800	0

31860	0.001
31920	0
31980	0.001
32040	0.001
32100	0.001
32160	0.001
32220	0.001
32280	0.001
32340	0.001
32400	0.001
32460	0.001
32520	0
32580	0.001
32640	0.001
32700	0.001
32760	0.001
32820	0.001
32880	0.001
32940	0.003
33000	0.021
33060	0.02
33120	0.019
33180	0.018
33240	0.016
33300	0.014
33360	0.013
33420	0.01
33480	0.009
33540	0.007
33600	0.006
33660	0.005
33720	0.004
33780	0.003
33840	0.003
33900	0.003
33960	0.002
34020	0.001
34080	0.001
34140	0
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34260	0
34320	0
34380	0
34440	0
34500	0
34560	-0.001
34620	-0.001
34680	-0.001
34740	-0.002
34800	-0.002

34860	-0.002
34920	-0.002
34980	-0.003
35040	-0.003
35100	-0.003
35160	-0.003
35220	-0.003
35280	-0.003
35340	-0.003
35400	-0.003
35460	-0.004
35520	-0.004
35580	-0.004
35640	-0.004
35700	-0.004
35760	-0.004
35820	-0.004
35880	-0.004
35940	-0.004
36000	-0.005
36060	-0.005
36120	-0.005
36180	-0.004
36240	-0.005
36300	-0.005
36360	-0.005
36420	-0.005
36480	-0.005
36540	-0.005
36600	-0.005
36660	-0.005
36720	-0.005
36780	-0.005
36840	-0.005
36900	-0.006
36960	-0.006
37020	-0.005
37080	-0.006
37140	-0.005
37200	-0.005
37260	-0.006
37320	-0.006
37380	-0.006
37440	-0.006
37500	-0.006
37560	-0.006
37620	-0.006
37680	-0.006
37740	-0.006
37800	-0.006

37860	-0.006
37920	-0.006
37980	-0.006
38040	-0.006
38100	-0.006
38160	-0.006
38220	-0.006
38280	-0.006
38340	-0.006
38400	-0.006
38460	-0.006
38520	-0.006
38580	-0.006
38640	-0.006
38700	-0.006
38760	-0.006
38820	-0.006
38880	-0.006
38940	-0.006
39000	-0.006
39060	-0.006
39120	-0.006
39180	-0.006
39240	-0.006
39300	-0.006
39360	-0.006
39420	-0.006
39480	-0.006
39540	-0.006
39600	-0.006
39660	-0.006
39720	-0.006
39780	-0.006
39840	-0.006
39900	-0.006
39960	-0.006
40020	-0.006
40080	-0.006
40140	-0.006
40200	-0.006
40260	-0.006
40320	-0.006
40380	-0.006
40440	-0.006
40500	-0.006
40560	-0.006
40620	-0.006
40680	-0.006
40740	-0.006
40800	-0.006

40860	-0.006
40920	-0.006
40980	-0.006
41040	-0.006
41100	-0.006
41160	-0.006
41220	-0.006
41280	-0.006
41340	-0.006
41400	-0.006
41460	-0.006
41520	-0.006
41580	-0.006
41640	-0.006
41700	-0.006
41760	-0.006
41820	-0.006
41880	-0.006
41940	-0.006
42000	-0.006
42060	-0.006
42120	-0.007
42180	-0.007
42240	-0.007
42300	-0.006
42360	-0.006
42420	-0.006
42480	-0.006
42540	-0.006
42600	-0.006
42660	-0.006
42720	-0.006
42780	-0.006
42840	-0.007
42900	-0.006
42960	-0.007
43020	-0.006
43080	-0.007
43140	-0.007
43200	-0.006
43260	-0.006
43320	-0.006
43380	-0.006
43440	-0.007
43500	-0.007
43560	-0.007
43620	-0.007
43680	-0.007
43740	-0.007
43800	-0.007

43860	-0.007
43920	-0.007
43980	-0.007
44040	-0.007
44100	-0.007
44160	-0.007
44220	-0.007
44280	-0.007
44340	-0.007
44400	-0.007
44460	-0.007
44520	-0.007
44580	-0.007
44640	-0.007
44700	-0.007
44760	-0.007
44820	-0.007
44880	-0.007
44940	-0.007
45000	-0.007
45060	-0.007
45120	-0.007
45180	-0.007
45240	-0.007
45300	-0.007
45360	-0.007
45420	-0.007
45480	-0.007
45540	-0.007
45600	-0.007
45660	-0.007
45720	-0.007
45780	-0.007
45840	-0.007
45900	-0.007
45960	-0.007
46020	0.004

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_025	
Test Start Time		6:42:59 AM
Test Start Date		12/14/2017
Test Length [D:H:M]		0:08:41
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.001
Mass Minimum [mg/m3]		-0.006
Mass Maximum [mg/m3]		0.022
Mass TWA [mg/m3]		0.001
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		521

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		-0.001	
120		-0.003	
180		-0.003	
240		-0.003	
300		-0.004	
360		-0.004	
420		-0.005	
480		-0.005	
540		-0.005	
600		-0.005	
660		-0.005	
720		-0.005	
780		-0.005	
840		-0.005	
900		-0.005	
960		-0.005	
1020		-0.006	
1080		-0.006	
1140		-0.006	
1200		-0.006	
1260		-0.006	
1320		-0.006	
1380		-0.006	
1440		-0.006	
1500		-0.006	
1560		-0.006	
1620		-0.006	
1680		-0.006	
1740		-0.005	
1800		-0.005	

1860	-0.003
1920	0.002
1980	0.004
2040	0.002
2100	0.001
2160	0.001
2220	0.002
2280	0.002
2340	0.002
2400	0.002
2460	0.002
2520	0.002
2580	0.002
2640	0.002
2700	0.002
2760	0.002
2820	0.002
2880	0.003
2940	0.003
3000	0.003
3060	0.003
3120	0.004
3180	0.004
3240	0.004
3300	0.004
3360	0.005
3420	0.005
3480	0.005
3540	0.005
3600	0.005
3660	0.004
3720	0.003
3780	0.002
3840	0.002
3900	0.001
3960	0
4020	0
4080	0
4140	-0.001
4200	-0.001
4260	-0.001
4320	-0.002
4380	-0.001
4440	-0.002
4500	-0.002
4560	-0.002
4620	-0.002
4680	-0.002
4740	-0.002
4800	-0.002

4860	-0.002
4920	-0.002
4980	-0.002
5040	-0.001
5100	-0.001
5160	-0.001
5220	-0.001
5280	-0.001
5340	-0.001
5400	-0.001
5460	-0.001
5520	0
5580	0
5640	0
5700	-0.001
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	0.001
8580	0.005
8640	0.002
8700	0
8760	0
8820	0
8880	0
8940	0
9000	0
9060	0
9120	0
9180	0.001
9240	0.001
9300	0.001
9360	0
9420	0
9480	0.001
9540	0.001
9600	0.001
9660	0.001
9720	0
9780	0.001
9840	0
9900	0.001
9960	0.001
10020	0.001
10080	0.001
10140	0.001
10200	0
10260	0
10320	0
10380	0
10440	0
10500	0
10560	0.001
10620	0.001
10680	0
10740	0.001
10800	0

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
11580	0
11640	0
11700	0.001
11760	0.001
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	0.001
13980	0
14040	0
14100	0.001
14160	0.002
14220	0
14280	0
14340	0.001
14400	0
14460	0
14520	0.001
14580	0
14640	0.006
14700	0.014
14760	0.01
14820	0.016
14880	0.002
14940	0.002
15000	0.001
15060	0.002
15120	0.001
15180	0.001
15240	0.001
15300	0.001
15360	0.001
15420	0.001
15480	0.001
15540	0.001
15600	0.001
15660	0.001
15720	0
15780	0
15840	0
15900	0
15960	0.001
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	0.001
17100	0
17160	0
17220	0.001
17280	0
17340	0.001
17400	0.001
17460	0
17520	0.007
17580	0.001
17640	0
17700	0
17760	0
17820	0
17880	0
17940	0.001
18000	0
18060	0
18120	0
18180	0
18240	0
18300	0
18360	0.001
18420	0
18480	0.001
18540	0.001
18600	0
18660	0
18720	0
18780	0.001
18840	0
18900	0.001
18960	0.002
19020	0.001
19080	0.001
19140	0.002
19200	0.002
19260	0.002
19320	0.002
19380	0.002
19440	0.002
19500	0.003
19560	0.002
19620	0.003
19680	0.002
19740	0.003
19800	0.002

19860	0.002
19920	0.004
19980	0.002
20040	0.002
20100	0.002
20160	0.002
20220	0.002
20280	0.003
20340	0.003
20400	0.002
20460	0.003
20520	0.002
20580	0.003
20640	0.002
20700	0.003
20760	0.002
20820	0.002
20880	0.002
20940	0.002
21000	0.002
21060	0.002
21120	0.002
21180	0.003
21240	0.004
21300	0.002
21360	0.004
21420	0.005
21480	0.002
21540	0.002
21600	0.02
21660	0.006
21720	0.003
21780	0.003
21840	0.004
21900	0.005
21960	0.004
22020	0.002
22080	0.004
22140	0.004
22200	0.003
22260	0.003
22320	0.007
22380	0.003
22440	0.005
22500	0.005
22560	0.003
22620	0.003
22680	0.002
22740	0.003
22800	0.002

22860	0.002
22920	0.003
22980	0.002
23040	0.003
23100	0.002
23160	0.002
23220	0.003
23280	0.003
23340	0.001
23400	0.002
23460	0.001
23520	0.001
23580	0.005
23640	0.002
23700	0.001
23760	0.001
23820	0.001
23880	0.001
23940	0.001
24000	0.001
24060	0
24120	0
24180	0
24240	0
24300	0.002
24360	0
24420	0
24480	0
24540	0
24600	0
24660	0
24720	0
24780	0
24840	0
24900	0
24960	0
25020	0
25080	0.001
25140	0
25200	0
25260	0
25320	0
25380	0
25440	0
25500	0.001
25560	0.001
25620	0
25680	0
25740	0
25800	0

25860	0
25920	0
25980	0
26040	0
26100	0
26160	0
26220	0
26280	0
26340	0
26400	0.001
26460	0
26520	0.004
26580	0.001
26640	0
26700	0
26760	0
26820	0
26880	0.001
26940	0
27000	0
27060	0.001
27120	0.001
27180	0
27240	0.001
27300	0.001
27360	0.001
27420	0.001
27480	0.004
27540	0.002
27600	0.001
27660	0.001
27720	0.001
27780	0.001
27840	0.001
27900	0.001
27960	0.001
28020	0.001
28080	0.001
28140	0.001
28200	0
28260	0
28320	0.001
28380	0
28440	0.001
28500	0
28560	0
28620	0.001
28680	0.012
28740	0.001
28800	0.001

28860	0.001
28920	0.001
28980	0.001
29040	0.001
29100	0.001
29160	0.001
29220	0
29280	0.001
29340	0.001
29400	0.001
29460	0
29520	0.001
29580	0.001
29640	0.001
29700	0.001
29760	0.001
29820	0.001
29880	0.001
29940	0.001
30000	0.001
30060	0.001
30120	0.001
30180	0.001
30240	0.002
30300	0.001
30360	0.001
30420	0.001
30480	0.001
30540	0.001
30600	0.001
30660	0.001
30720	0.001
30780	0.001
30840	0.017
30900	0.022
30960	0.019
31020	0.017
31080	0.016
31140	0.014
31200	0.013
31260	0.014

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_026	
Test Start Time		7:08:45 AM
Test Start Date		12/15/2017
Test Length [D:H:M]		0:04:39
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.022
Mass Minimum [mg/m3]		-0.005
Mass Maximum [mg/m3]		0.534
Mass TWA [mg/m3]		0.013
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		279

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		-0.003	
120		-0.005	
180		-0.004	
240		-0.004	
300		-0.004	
360		-0.004	
420		-0.003	
480		-0.004	
540		-0.004	
600		0.039	
660		0.445	
720		0.534	
780		0.452	
840		0.201	
900		0.219	
960		0.093	
1020		0.038	
1080		0.028	
1140		0.027	
1200		0.026	
1260		0.025	
1320		0.024	
1380		0.02	
1440		0.018	
1500		0.017	
1560		0.015	
1620		0.014	
1680		0.014	
1740		0.023	
1800		0.121	

1860	0.117
1920	0.103
1980	0.089
2040	0.078
2100	0.069
2160	0.062
2220	0.055
2280	0.049
2340	0.045
2400	0.041
2460	0.036
2520	0.033
2580	0.03
2640	0.027
2700	0.026
2760	0.022
2820	0.021
2880	0.019
2940	0.018
3000	0.016
3060	0.014
3120	0.014
3180	0.014
3240	0.015
3300	0.013
3360	0.014
3420	0.013
3480	0.012
3540	0.012
3600	0.011
3660	0.011
3720	0.009
3780	0.009
3840	0.008
3900	0.008
3960	0.008
4020	0.007
4080	0.007
4140	0.006
4200	0.012
4260	0.014
4320	0.016
4380	0.004
4440	0.004
4500	0.009
4560	0.005
4620	0.009
4680	0.005
4740	0.004
4800	0.003

4860	0.004
4920	0.004
4980	0.005
5040	0.003
5100	0.003
5160	0.004
5220	0.004
5280	0.004
5340	0.005
5400	0.009
5460	0.049
5520	0.007
5580	0.009
5640	0.009
5700	0.007
5760	0.02
5820	0.01
5880	0.034
5940	0.099
6000	0.046
6060	0.05
6120	0.039
6180	0.009
6240	0.013
6300	0.007
6360	0.007
6420	0.01
6480	0.008
6540	0.007
6600	0.006
6660	0.006
6720	0.007
6780	0.007
6840	0.007
6900	0.008
6960	0.008
7020	0.008
7080	0.007
7140	0.008
7200	0.007
7260	0.007
7320	0.008
7380	0.007
7440	0.008
7500	0.008
7560	0.008
7620	0.008
7680	0.008
7740	0.008
7800	0.008

7860	0.053
7920	0.016
7980	0.009
8040	0.008
8100	0.008
8160	0.008
8220	0.008
8280	0.008
8340	0.008
8400	0.008
8460	0.008
8520	0.007
8580	0.007
8640	0.007
8700	0.007
8760	0.007
8820	0.007
8880	0.008
8940	0.008
9000	0.008
9060	0.007
9120	0.007
9180	0.007
9240	0.012
9300	0.017
9360	0.008
9420	0.007
9480	0.007
9540	0.012
9600	0.026
9660	0.01
9720	0.012
9780	0.047
9840	0.013
9900	0.031
9960	0.023
10020	0.01
10080	0.016
10140	0.029
10200	0.029
10260	0.017
10320	0.013
10380	0.008
10440	0.011
10500	0.009
10560	0.009
10620	0.008
10680	0.011
10740	0.011
10800	0.009

10860	0.013
10920	0.044
10980	0.025
11040	0.011
11100	0.009
11160	0.008
11220	0.008
11280	0.009
11340	0.008
11400	0.008
11460	0.01
11520	0.009
11580	0.009
11640	0.009
11700	0.009
11760	0.009
11820	0.008
11880	0.008
11940	0.009
12000	0.009
12060	0.009
12120	0.009
12180	0.009
12240	0.095
12300	0.032
12360	0.042
12420	0.021
12480	0.029
12540	0.014
12600	0.024
12660	0.021
12720	0.034
12780	0.032
12840	0.014
12900	0.009
12960	0.01
13020	0.01
13080	0.009
13140	0.009
13200	0.009
13260	0.009
13320	0.009
13380	0.009
13440	0.01
13500	0.009
13560	0.008
13620	0.009
13680	0.009
13740	0.009
13800	0.009

13860	0.008
13920	0.014
13980	0.015
14040	0.031
14100	0.031
14160	0.018
14220	0.016
14280	0.012
14340	0.011
14400	0.009
14460	0.008
14520	0.009
14580	0.01
14640	0.009
14700	0.01
14760	0.01
14820	0.009
14880	0.009
14940	0.009
15000	0.011
15060	0.011
15120	0.01
15180	0.01
15240	0.01
15300	0.009
15360	0.009
15420	0.008
15480	0.009
15540	0.007
15600	0.007
15660	0.007
15720	0.008
15780	0.01
15840	0.01
15900	0.01
15960	0.01
16020	0.01
16080	0.01
16140	0.011
16200	0.01
16260	0.009
16320	0.01
16380	0.01
16440	0.01
16500	0.01
16560	0.01
16620	0.01
16680	0.01
16740	0.009

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_027	
Test Start Time		7:26:30 AM
Test Start Date		12/18/2017
Test Length [D:H:M]		0:07:50
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.039
Mass Minimum [mg/m3]		0.024
Mass Maximum [mg/m3]		0.188
Mass TWA [mg/m3]		0.038
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		470

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.024	
120		0.024	
180		0.024	
240		0.025	
300		0.025	
360		0.026	
420		0.026	
480		0.027	
540		0.027	
600		0.027	
660		0.027	
720		0.027	
780		0.028	
840		0.028	
900		0.029	
960		0.028	
1020		0.029	
1080		0.029	
1140		0.029	
1200		0.029	
1260		0.029	
1320		0.03	
1380		0.03	
1440		0.03	
1500		0.03	
1560		0.031	
1620		0.03	
1680		0.046	
1740		0.034	
1800		0.034	

1860	0.033
1920	0.031
1980	0.031
2040	0.031
2100	0.031
2160	0.031
2220	0.032
2280	0.032
2340	0.032
2400	0.032
2460	0.031
2520	0.031
2580	0.032
2640	0.034
2700	0.032
2760	0.031
2820	0.033
2880	0.033
2940	0.033
3000	0.033
3060	0.032
3120	0.033
3180	0.034
3240	0.033
3300	0.038
3360	0.037
3420	0.035
3480	0.036
3540	0.034
3600	0.033
3660	0.032
3720	0.034
3780	0.034
3840	0.05
3900	0.035
3960	0.036
4020	0.037
4080	0.044
4140	0.043
4200	0.038
4260	0.04
4320	0.04
4380	0.039
4440	0.034
4500	0.042
4560	0.052
4620	0.034
4680	0.034
4740	0.034
4800	0.035

4860	0.036
4920	0.038
4980	0.037
5040	0.038
5100	0.038
5160	0.045
5220	0.045
5280	0.042
5340	0.045
5400	0.05
5460	0.038
5520	0.043
5580	0.042
5640	0.04
5700	0.037
5760	0.041
5820	0.041
5880	0.038
5940	0.037
6000	0.036
6060	0.037
6120	0.037
6180	0.036
6240	0.036
6300	0.036
6360	0.037
6420	0.038
6480	0.038
6540	0.038
6600	0.036
6660	0.039
6720	0.037
6780	0.036
6840	0.036
6900	0.048
6960	0.06
7020	0.064
7080	0.05
7140	0.036
7200	0.037
7260	0.047
7320	0.093
7380	0.069
7440	0.061
7500	0.049
7560	0.069
7620	0.04
7680	0.037
7740	0.04
7800	0.039

7860	0.04
7920	0.039
7980	0.037
8040	0.038
8100	0.038
8160	0.038
8220	0.036
8280	0.036
8340	0.04
8400	0.042
8460	0.094
8520	0.061
8580	0.066
8640	0.07
8700	0.086
8760	0.112
8820	0.051
8880	0.188
8940	0.081
9000	0.046
9060	0.036
9120	0.036
9180	0.036
9240	0.035
9300	0.035
9360	0.035
9420	0.035
9480	0.035
9540	0.037
9600	0.04
9660	0.037
9720	0.039
9780	0.041
9840	0.038
9900	0.036
9960	0.036
10020	0.037
10080	0.037
10140	0.036
10200	0.037
10260	0.036
10320	0.037
10380	0.037
10440	0.036
10500	0.036
10560	0.036
10620	0.036
10680	0.036
10740	0.036
10800	0.036

10860	0.036
10920	0.036
10980	0.036
11040	0.037
11100	0.037
11160	0.036
11220	0.037
11280	0.037
11340	0.038
11400	0.039
11460	0.038
11520	0.038
11580	0.038
11640	0.039
11700	0.04
11760	0.038
11820	0.039
11880	0.041
11940	0.038
12000	0.043
12060	0.059
12120	0.077
12180	0.053
12240	0.059
12300	0.041
12360	0.046
12420	0.06
12480	0.064
12540	0.053
12600	0.05
12660	0.057
12720	0.044
12780	0.04
12840	0.04
12900	0.046
12960	0.047
13020	0.054
13080	0.052
13140	0.082
13200	0.054
13260	0.054
13320	0.041
13380	0.068
13440	0.065
13500	0.04
13560	0.04
13620	0.042
13680	0.042
13740	0.043
13800	0.039

13860	0.039
13920	0.038
13980	0.037
14040	0.039
14100	0.041
14160	0.043
14220	0.039
14280	0.039
14340	0.045
14400	0.042
14460	0.043
14520	0.043
14580	0.044
14640	0.041
14700	0.04
14760	0.043
14820	0.042
14880	0.045
14940	0.043
15000	0.04
15060	0.039
15120	0.039
15180	0.038
15240	0.038
15300	0.04
15360	0.04
15420	0.04
15480	0.043
15540	0.042
15600	0.041
15660	0.04
15720	0.046
15780	0.04
15840	0.039
15900	0.038
15960	0.038
16020	0.038
16080	0.04
16140	0.038
16200	0.039
16260	0.039
16320	0.037
16380	0.038
16440	0.039
16500	0.038
16560	0.039
16620	0.039
16680	0.038
16740	0.037
16800	0.041

16860	0.038
16920	0.037
16980	0.038
17040	0.038
17100	0.037
17160	0.038
17220	0.039
17280	0.037
17340	0.038
17400	0.038
17460	0.037
17520	0.038
17580	0.038
17640	0.037
17700	0.037
17760	0.038
17820	0.038
17880	0.038
17940	0.038
18000	0.037
18060	0.037
18120	0.037
18180	0.036
18240	0.038
18300	0.04
18360	0.038
18420	0.047
18480	0.043
18540	0.045
18600	0.061
18660	0.042
18720	0.039
18780	0.04
18840	0.072
18900	0.06
18960	0.04
19020	0.037
19080	0.051
19140	0.039
19200	0.036
19260	0.036
19320	0.035
19380	0.034
19440	0.033
19500	0.034
19560	0.035
19620	0.035
19680	0.035
19740	0.035
19800	0.035

19860	0.035
19920	0.034
19980	0.034
20040	0.034
20100	0.034
20160	0.034
20220	0.033
20280	0.033
20340	0.032
20400	0.033
20460	0.033
20520	0.032
20580	0.032
20640	0.032
20700	0.031
20760	0.032
20820	0.032
20880	0.032
20940	0.032
21000	0.032
21060	0.032
21120	0.032
21180	0.031
21240	0.031
21300	0.03
21360	0.03
21420	0.03
21480	0.03
21540	0.03
21600	0.03
21660	0.03
21720	0.029
21780	0.029
21840	0.029
21900	0.029
21960	0.029
22020	0.029
22080	0.034
22140	0.032
22200	0.054
22260	0.043
22320	0.033
22380	0.029
22440	0.029
22500	0.029
22560	0.031
22620	0.029
22680	0.053
22740	0.038
22800	0.033

22860	0.03
22920	0.028
22980	0.028
23040	0.03
23100	0.04
23160	0.03
23220	0.028
23280	0.027
23340	0.032
23400	0.037
23460	0.053
23520	0.052
23580	0.048
23640	0.067
23700	0.036
23760	0.028
23820	0.034
23880	0.072
23940	0.036
24000	0.03
24060	0.03
24120	0.057
24180	0.029
24240	0.029
24300	0.052
24360	0.069
24420	0.086
24480	0.055
24540	0.049
24600	0.031
24660	0.033
24720	0.041
24780	0.054
24840	0.124
24900	0.053
24960	0.048
25020	0.035
25080	0.035
25140	0.037
25200	0.029
25260	0.027
25320	0.027
25380	0.03
25440	0.034
25500	0.061
25560	0.035
25620	0.027
25680	0.026
25740	0.025
25800	0.025

25860	0.025
25920	0.025
25980	0.026
26040	0.025
26100	0.026
26160	0.051
26220	0.028
26280	0.026
26340	0.025
26400	0.025
26460	0.025
26520	0.025
26580	0.026
26640	0.026
26700	0.026
26760	0.028
26820	0.027
26880	0.026
26940	0.027
27000	0.026
27060	0.026
27120	0.027
27180	0.029
27240	0.028
27300	0.029
27360	0.028
27420	0.028
27480	0.026
27540	0.027
27600	0.027
27660	0.026
27720	0.027
27780	0.027
27840	0.027
27900	0.028
27960	0.028
28020	0.028
28080	0.028
28140	0.029
28200	0.027

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_028	
Test Start Time		7:38:12 AM
Test Start Date		12/19/2017
Test Length [D:H:M]		0:08:24
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.016
Mass Minimum [mg/m3]		0.007
Mass Maximum [mg/m3]		0.047
Mass TWA [mg/m3]		0.016
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		504

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.008	
120		0.007	
180		0.008	
240		0.01	
300		0.015	
360		0.014	
420		0.014	
480		0.013	
540		0.044	
600		0.019	
660		0.014	
720		0.014	
780		0.014	
840		0.015	
900		0.015	
960		0.015	
1020		0.015	
1080		0.015	
1140		0.016	
1200		0.016	
1260		0.016	
1320		0.016	
1380		0.016	
1440		0.016	
1500		0.017	
1560		0.017	
1620		0.017	
1680		0.018	
1740		0.017	
1800		0.017	

1860	0.017
1920	0.017
1980	0.017
2040	0.018
2100	0.017
2160	0.017
2220	0.017
2280	0.017
2340	0.017
2400	0.018
2460	0.018
2520	0.018
2580	0.018
2640	0.018
2700	0.018
2760	0.019
2820	0.019
2880	0.019
2940	0.019
3000	0.019
3060	0.019
3120	0.019
3180	0.019
3240	0.019
3300	0.019
3360	0.019
3420	0.019
3480	0.019
3540	0.019
3600	0.019
3660	0.019
3720	0.019
3780	0.019
3840	0.019
3900	0.019
3960	0.019
4020	0.018
4080	0.019
4140	0.018
4200	0.018
4260	0.018
4320	0.018
4380	0.019
4440	0.031
4500	0.019
4560	0.018
4620	0.019
4680	0.018
4740	0.018
4800	0.018

4860	0.018
4920	0.018
4980	0.019
5040	0.02
5100	0.018
5160	0.019
5220	0.018
5280	0.018
5340	0.029
5400	0.019
5460	0.019
5520	0.021
5580	0.018
5640	0.019
5700	0.019
5760	0.018
5820	0.026
5880	0.021
5940	0.022
6000	0.019
6060	0.019
6120	0.021
6180	0.018
6240	0.018
6300	0.019
6360	0.018
6420	0.019
6480	0.018
6540	0.018
6600	0.018
6660	0.018
6720	0.018
6780	0.018
6840	0.018
6900	0.021
6960	0.018
7020	0.018
7080	0.018
7140	0.018
7200	0.018
7260	0.018
7320	0.018
7380	0.017
7440	0.018
7500	0.018
7560	0.025
7620	0.018
7680	0.018
7740	0.018
7800	0.018

7860	0.018
7920	0.018
7980	0.019
8040	0.018
8100	0.018
8160	0.018
8220	0.018
8280	0.018
8340	0.018
8400	0.017
8460	0.018
8520	0.018
8580	0.018
8640	0.018
8700	0.018
8760	0.017
8820	0.018
8880	0.018
8940	0.018
9000	0.017
9060	0.017
9120	0.017
9180	0.017
9240	0.017
9300	0.017
9360	0.02
9420	0.017
9480	0.022
9540	0.017
9600	0.017
9660	0.017
9720	0.019
9780	0.024
9840	0.017
9900	0.017
9960	0.017
10020	0.017
10080	0.016
10140	0.016
10200	0.016
10260	0.016
10320	0.016
10380	0.016
10440	0.019
10500	0.016
10560	0.016
10620	0.016
10680	0.019
10740	0.016
10800	0.018

10860	0.016
10920	0.016
10980	0.015
11040	0.015
11100	0.016
11160	0.015
11220	0.015
11280	0.015
11340	0.015
11400	0.015
11460	0.015
11520	0.015
11580	0.015
11640	0.015
11700	0.015
11760	0.015
11820	0.015
11880	0.035
11940	0.035
12000	0.018
12060	0.014
12120	0.024
12180	0.014
12240	0.015
12300	0.014
12360	0.014
12420	0.014
12480	0.014
12540	0.014
12600	0.014
12660	0.014
12720	0.014
12780	0.014
12840	0.015
12900	0.013
12960	0.016
13020	0.014
13080	0.013
13140	0.013
13200	0.013
13260	0.013
13320	0.013
13380	0.013
13440	0.013
13500	0.013
13560	0.013
13620	0.013
13680	0.013
13740	0.013
13800	0.013

13860	0.013
13920	0.013
13980	0.012
14040	0.013
14100	0.012
14160	0.013
14220	0.013
14280	0.013
14340	0.012
14400	0.012
14460	0.012
14520	0.013
14580	0.013
14640	0.012
14700	0.012
14760	0.012
14820	0.012
14880	0.012
14940	0.047
15000	0.015
15060	0.013
15120	0.013
15180	0.012
15240	0.012
15300	0.013
15360	0.013
15420	0.012
15480	0.012
15540	0.012
15600	0.012
15660	0.012
15720	0.012
15780	0.012
15840	0.012
15900	0.012
15960	0.012
16020	0.012
16080	0.012
16140	0.012
16200	0.014
16260	0.013
16320	0.018
16380	0.013
16440	0.012
16500	0.012
16560	0.012
16620	0.011
16680	0.012
16740	0.011
16800	0.011

16860	0.011
16920	0.011
16980	0.011
17040	0.011
17100	0.011
17160	0.011
17220	0.011
17280	0.011
17340	0.011
17400	0.012
17460	0.011
17520	0.011
17580	0.011
17640	0.01
17700	0.01
17760	0.011
17820	0.011
17880	0.011
17940	0.011
18000	0.01
18060	0.01
18120	0.01
18180	0.011
18240	0.011
18300	0.011
18360	0.011
18420	0.011
18480	0.011
18540	0.01
18600	0.011
18660	0.011
18720	0.011
18780	0.011
18840	0.01
18900	0.011
18960	0.01
19020	0.011
19080	0.011
19140	0.011
19200	0.011
19260	0.011
19320	0.011
19380	0.011
19440	0.012
19500	0.013
19560	0.012
19620	0.012
19680	0.012
19740	0.012
19800	0.012

19860	0.012
19920	0.012
19980	0.012
20040	0.013
20100	0.012
20160	0.012
20220	0.012
20280	0.012
20340	0.017
20400	0.02
20460	0.037
20520	0.014
20580	0.017
20640	0.018
20700	0.014
20760	0.013
20820	0.012
20880	0.021
20940	0.02
21000	0.014
21060	0.017
21120	0.014
21180	0.013
21240	0.013
21300	0.013
21360	0.014
21420	0.016
21480	0.015
21540	0.014
21600	0.013
21660	0.013
21720	0.013
21780	0.013
21840	0.014
21900	0.013
21960	0.013
22020	0.021
22080	0.014
22140	0.013
22200	0.015
22260	0.014
22320	0.014
22380	0.014
22440	0.015
22500	0.018
22560	0.015
22620	0.017
22680	0.016
22740	0.014
22800	0.014

22860	0.014
22920	0.014
22980	0.014
23040	0.019
23100	0.015
23160	0.014
23220	0.013
23280	0.015
23340	0.015
23400	0.014
23460	0.014
23520	0.015
23580	0.014
23640	0.015
23700	0.014
23760	0.014
23820	0.014
23880	0.014
23940	0.015
24000	0.014
24060	0.015
24120	0.014
24180	0.015
24240	0.015
24300	0.014
24360	0.015
24420	0.014
24480	0.015
24540	0.015
24600	0.015
24660	0.026
24720	0.016
24780	0.014
24840	0.039
24900	0.016
24960	0.015
25020	0.016
25080	0.015
25140	0.015
25200	0.018
25260	0.015
25320	0.017
25380	0.016
25440	0.018
25500	0.016
25560	0.015
25620	0.015
25680	0.015
25740	0.015
25800	0.015

25860	0.015
25920	0.018
25980	0.016
26040	0.015
26100	0.018
26160	0.015
26220	0.016
26280	0.034
26340	0.022
26400	0.016
26460	0.016
26520	0.016
26580	0.016
26640	0.016
26700	0.016
26760	0.021
26820	0.042
26880	0.018
26940	0.016
27000	0.016
27060	0.016
27120	0.017
27180	0.038
27240	0.023
27300	0.017
27360	0.016
27420	0.016
27480	0.016
27540	0.016
27600	0.016
27660	0.016
27720	0.017
27780	0.017
27840	0.016
27900	0.016
27960	0.022
28020	0.017
28080	0.017
28140	0.016
28200	0.02
28260	0.025
28320	0.023
28380	0.017
28440	0.017
28500	0.017
28560	0.017
28620	0.016
28680	0.017
28740	0.018
28800	0.016

28860	0.016
28920	0.016
28980	0.016
29040	0.02
29100	0.024
29160	0.025
29220	0.023
29280	0.017
29340	0.017
29400	0.017
29460	0.018
29520	0.023
29580	0.025
29640	0.023
29700	0.023
29760	0.022
29820	0.022
29880	0.021
29940	0.021
30000	0.02
30060	0.021
30120	0.022
30180	0.022
30240	0.022

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_029	
Test Start Time		8:05:32 AM
Test Start Date		12/20/2017
Test Length [D:H:M]		0:05:52
Test Interval [M:S]		1:00
Mass Average [mg/m3]		-0.002
Mass Minimum [mg/m3]		-0.006
Mass Maximum [mg/m3]		0.018
Mass TWA [mg/m3]		-0.002
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		352

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		-0.001	
120		0	
180		0	
240		0.001	
300		0.003	
360		0.003	
420		0.003	
480		0.002	
540		0.001	
600		0.001	
660		0	
720		0	
780		0	
840		0	
900		0	
960		-0.001	
1020		-0.001	
1080		-0.001	
1140		-0.001	
1200		-0.002	
1260		-0.002	
1320		-0.002	
1380		-0.002	
1440		-0.002	
1500		-0.006	
1560		-0.006	
1620		-0.006	
1680		-0.006	
1740		-0.006	
1800		-0.006	

1860	-0.006
1920	-0.006
1980	-0.006
2040	-0.006
2100	-0.006
2160	-0.005
2220	-0.005
2280	-0.005
2340	-0.005
2400	-0.005
2460	-0.005
2520	-0.005
2580	-0.005
2640	-0.005
2700	-0.005
2760	-0.005
2820	-0.005
2880	-0.005
2940	-0.005
3000	-0.005
3060	-0.005
3120	-0.005
3180	-0.005
3240	-0.005
3300	-0.004
3360	-0.005
3420	-0.004
3480	-0.004
3540	-0.004
3600	-0.004
3660	-0.004
3720	-0.004
3780	-0.004
3840	-0.004
3900	-0.004
3960	-0.004
4020	-0.004
4080	-0.004
4140	-0.004
4200	-0.004
4260	-0.004
4320	-0.004
4380	-0.004
4440	-0.004
4500	-0.004
4560	-0.004
4620	-0.004
4680	-0.004
4740	-0.004
4800	-0.004

4860	-0.004
4920	-0.003
4980	-0.004
5040	-0.004
5100	-0.003
5160	-0.003
5220	-0.003
5280	-0.003
5340	-0.003
5400	-0.003
5460	-0.003
5520	-0.003
5580	-0.003
5640	-0.003
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	-0.003
6300	-0.003
6360	-0.003
6420	-0.003
6480	-0.003
6540	-0.003
6600	-0.003
6660	-0.003
6720	-0.003
6780	-0.003
6840	-0.003
6900	-0.003
6960	-0.003
7020	-0.001
7080	0.018
7140	0.009
7200	-0.002
7260	-0.003
7320	-0.003
7380	-0.003
7440	-0.003
7500	-0.003
7560	-0.003
7620	-0.003
7680	-0.003
7740	-0.003
7800	-0.003

7860	-0.003
7920	-0.003
7980	-0.003
8040	-0.003
8100	-0.003
8160	-0.003
8220	-0.003
8280	-0.003
8340	-0.003
8400	-0.003
8460	-0.003
8520	-0.003
8580	-0.003
8640	-0.003
8700	-0.003
8760	-0.003
8820	-0.002
8880	-0.003
8940	-0.002
9000	-0.003
9060	-0.003
9120	-0.002
9180	-0.003
9240	-0.002
9300	-0.002
9360	-0.003
9420	-0.003
9480	-0.002
9540	-0.002
9600	-0.002
9660	-0.002
9720	-0.003
9780	-0.003
9840	-0.003
9900	-0.003
9960	-0.003
10020	-0.003
10080	-0.003
10140	-0.003
10200	-0.003
10260	-0.002
10320	-0.003
10380	-0.003
10440	-0.003
10500	-0.003
10560	-0.003
10620	-0.003
10680	-0.003
10740	-0.003
10800	-0.003

10860	-0.003
10920	-0.003
10980	-0.003
11040	-0.003
11100	-0.003
11160	-0.003
11220	-0.003
11280	-0.003
11340	-0.003
11400	-0.003
11460	-0.003
11520	-0.002
11580	-0.003
11640	-0.003
11700	-0.003
11760	-0.003
11820	-0.003
11880	-0.003
11940	-0.002
12000	-0.003
12060	-0.002
12120	-0.003
12180	-0.003
12240	-0.003
12300	-0.002
12360	-0.002
12420	-0.002
12480	-0.002
12540	-0.002
12600	-0.002
12660	-0.003
12720	-0.002
12780	-0.002
12840	-0.002
12900	-0.003
12960	-0.002
13020	0
13080	-0.002
13140	-0.002
13200	-0.002
13260	-0.002
13320	-0.002
13380	-0.002
13440	-0.002
13500	-0.002
13560	-0.002
13620	-0.002
13680	-0.002
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	-0.002
15000	-0.002
15060	-0.002
15120	-0.002
15180	-0.001
15240	-0.002
15300	-0.002
15360	-0.002
15420	-0.002
15480	-0.002
15540	-0.002
15600	-0.002
15660	-0.002
15720	-0.002
15780	-0.002
15840	-0.002
15900	-0.002
15960	-0.001
16020	-0.001
16080	-0.001
16140	-0.002
16200	-0.001
16260	0
16320	-0.001
16380	-0.001
16440	0
16500	0
16560	-0.001
16620	0
16680	0
16740	0
16800	-0.001

16860	0
16920	-0.001
16980	-0.002
17040	-0.002
17100	-0.002
17160	-0.002
17220	-0.002
17280	-0.002
17340	-0.002
17400	-0.002
17460	-0.002
17520	-0.002
17580	0
17640	0.001
17700	0
17760	0
17820	0
17880	-0.002
17940	-0.002
18000	-0.002
18060	-0.002
18120	-0.002
18180	-0.002
18240	-0.002
18300	-0.002
18360	-0.001
18420	-0.002
18480	-0.001
18540	-0.002
18600	-0.002
18660	-0.001
18720	-0.001
18780	-0.001
18840	-0.002
18900	-0.002
18960	-0.002
19020	-0.002
19080	-0.002
19140	-0.002
19200	-0.002
19260	-0.002
19320	-0.002
19380	-0.002
19440	-0.002
19500	-0.002
19560	-0.002
19620	-0.002
19680	-0.002
19740	-0.002
19800	-0.002

19860	-0.002
19920	-0.002
19980	-0.002
20040	-0.002
20100	-0.002
20160	0.002
20220	-0.002
20280	-0.002
20340	-0.002
20400	-0.002
20460	-0.002
20520	-0.002
20580	-0.002
20640	-0.002
20700	-0.002
20760	-0.001
20820	-0.002
20880	-0.002
20940	-0.002
21000	-0.001
21060	-0.002
21120	0.002

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_030	
Test Start Time		8:11:03 AM
Test Start Date		12/21/2017
Test Length [D:H:M]		0:07:07
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.024
Mass Minimum [mg/m3]		-0.003
Mass Maximum [mg/m3]		0.247
Mass TWA [mg/m3]		0.021
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		427

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.01	
120		0.021	
180		0	
240		-0.001	
300		-0.003	
360		-0.003	
420		-0.003	
480		0.017	
540		0.03	
600		0.012	
660		0.005	
720		0.026	
780		0.021	
840		0.042	
900		0.097	
960		0.064	
1020		0.071	
1080		0.025	
1140		0.012	
1200		0.044	
1260		0.054	
1320		0.071	
1380		0.055	
1440		0.059	
1500		0.045	
1560		0.034	
1620		0.009	
1680		0.051	
1740		0.017	
1800		0.128	

1860	0.031
1920	0.04
1980	0.008
2040	0.04
2100	0.016
2160	0.044
2220	0.019
2280	0.012
2340	0.041
2400	0.02
2460	0.033
2520	0.004
2580	0.048
2640	0.016
2700	0.082
2760	0
2820	0.012
2880	0.025
2940	0.019
3000	0.082
3060	0.091
3120	0.021
3180	0.05
3240	0.044
3300	0.03
3360	0
3420	0.018
3480	0.057
3540	0.02
3600	0.003
3660	0.042
3720	0.009
3780	0.009
3840	0.112
3900	0
3960	0
4020	0.007
4080	0.055
4140	0.038
4200	0.067
4260	0.01
4320	0
4380	0.001
4440	0.001
4500	0.008
4560	0.001
4620	0.012
4680	0.001
4740	0
4800	0

4860	0
4920	0.008
4980	0
5040	0.008
5100	0.025
5160	0.036
5220	0.08
5280	0.002
5340	0.092
5400	0.032
5460	0.06
5520	0.057
5580	0.036
5640	0.168
5700	0.066
5760	0.002
5820	0
5880	0
5940	0.039
6000	0.085
6060	0.233
6120	0.007
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	0.001
7140	0
7200	0
7260	0
7320	0.001
7380	0
7440	0
7500	0
7560	0
7620	0
7680	0
7740	0
7800	0

7860	0
7920	0.001
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	0.001
9120	0.156
9180	0.018
9240	0.064
9300	0.048
9360	0.008
9420	0.049
9480	0.058
9540	0.069
9600	0.032
9660	0.082
9720	0.014
9780	0.041
9840	0.025
9900	0.001
9960	0
10020	0
10080	0.008
10140	0.008
10200	0.003
10260	0.076
10320	0.161
10380	0.141
10440	0.059
10500	0.071
10560	0.009
10620	0.006
10680	0.008
10740	0.001
10800	0.001

10860	0.001
10920	0.012
10980	0.065
11040	0.038
11100	0.004
11160	0.01
11220	0.085
11280	0.006
11340	0.02
11400	0.02
11460	0.019
11520	0.004
11580	0.014
11640	0.062
11700	0.057
11760	0.001
11820	0.025
11880	0.061
11940	0.247
12000	0.126
12060	0.013
12120	0.001
12180	0
12240	0
12300	0.001
12360	0.014
12420	0
12480	0
12540	0.001
12600	0.025
12660	0.003
12720	0.006
12780	0.052
12840	0.003
12900	0.013
12960	0.006
13020	0.017
13080	0.001
13140	0.001
13200	0.002
13260	0.002
13320	0.001
13380	0.001
13440	0.001
13500	0.001
13560	0.001
13620	0.006
13680	0.024
13740	0.014
13800	0.076

13860	0.096
13920	0.097
13980	0.095
14040	0.126
14100	0.107
14160	0.038
14220	0.009
14280	0.022
14340	0.004
14400	0.014
14460	0.004
14520	0.001
14580	0.014
14640	0.013
14700	0.002
14760	0.042
14820	0.025
14880	0.077
14940	0.036
15000	0.007
15060	0.018
15120	0.018
15180	0.037
15240	0.019
15300	0.001
15360	0.002
15420	0.002
15480	0.002
15540	0.001
15600	0.001
15660	0.001
15720	0.001
15780	0.001
15840	0.002
15900	0.001
15960	0.001
16020	0.001
16080	0.001
16140	0.001
16200	0.001
16260	0.001
16320	0.001
16380	0.001
16440	0.001
16500	0.001
16560	0.001
16620	0.002
16680	0.002
16740	0.002
16800	0.001

16860	0.001
16920	0.001
16980	0.001
17040	0.001
17100	0.001
17160	0.002
17220	0.002
17280	0.002
17340	0.001
17400	0.001
17460	0.001
17520	0.002
17580	0.002
17640	0.002
17700	0.002
17760	0.002
17820	0.002
17880	0.002
17940	0.002
18000	0.002
18060	0.002
18120	0.002
18180	0.002
18240	0.002
18300	0.002
18360	0.002
18420	0.002
18480	0.002
18540	0.002
18600	0.002
18660	0.06
18720	0.021
18780	0.026
18840	0.045
18900	0.065
18960	0.034
19020	0.021
19080	0.019
19140	0.015
19200	0.026
19260	0.029
19320	0.055
19380	0.086
19440	0.012
19500	0.119
19560	0.02
19620	0.015
19680	0.017
19740	0.032
19800	0.112

19860	0.018
19920	0.011
19980	0.003
20040	0.002
20100	0.007
20160	0.003
20220	0.002
20280	0.002
20340	0.008
20400	0.014
20460	0.005
20520	0.002
20580	0.002
20640	0.002
20700	0.04
20760	0.005
20820	0.003
20880	0.05
20940	0.148
21000	0.036
21060	0.102
21120	0.021
21180	0.056
21240	0.103
21300	0.013
21360	0.021
21420	0.044
21480	0.107
21540	0.084
21600	0.105
21660	0.024
21720	0.013
21780	0.003
21840	0.02
21900	0.017
21960	0.045
22020	0.003
22080	0.003
22140	0.002
22200	0.003
22260	0.01
22320	0.025
22380	0.028
22440	0.051
22500	0.07
22560	0.186
22620	0.045
22680	0.035
22740	0.068
22800	0.03

22860	0.01
22920	0.004
22980	0.003
23040	0.003
23100	0.003
23160	0.003
23220	0.003
23280	0.003
23340	0.004
23400	0.009
23460	0.021
23520	0.02
23580	0.014
23640	0.019
23700	0.042
23760	0.011
23820	0.009
23880	0.022
23940	0.011
24000	0.023
24060	0.029
24120	0.011
24180	0.006
24240	0.012
24300	0.005
24360	0.003
24420	0.003
24480	0.005
24540	0.016
24600	0.014
24660	0.083
24720	0.039
24780	0.035
24840	0.058
24900	0.061
24960	0.027
25020	0.047
25080	0.035
25140	0.042
25200	0.052
25260	0.007
25320	0.004
25380	0.004
25440	0.01
25500	0.01
25560	0.044
25620	0.023

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530151509
Firmware Version	3.3
Calibration Date	4/8/2015
Test Name	MANUAL_031
Test Start Time	8:37:13 AM
Test Start Date	1/2/2018
Test Length [D:H:M]	0:06:59
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.011
Mass Minimum [mg/m3]	-0.001
Mass Maximum [mg/m3]	0.307
Mass TWA [mg/m3]	0.01
Photometric User Cal	0.9
Flow User Cal	0
Errors	
Number of Samples	419

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.307		
120	0.002		
180	0.002		
240	0.055		
300	0.032		
360	-0.001		
420	-0.001		
480	-0.001		
540	0		
600	-0.001		
660	0		
720	-0.001		
780	0.001		
840	0.031		
900	0.003		
960	0.006		
1020	0.004		
1080	0		
1140	0		
1200	0		
1260	0		
1320	0		
1380	0		
1440	0.001		
1500	0.002		
1560	0.014		
1620	0.001		
1680	0		
1740	0		
1800	0.008		

1860	0.003
1920	0.004
1980	0
2040	0.014
2100	0
2160	0.011
2220	0.005
2280	0.004
2340	0.003
2400	0.003
2460	0.004
2520	0.006
2580	0.001
2640	0.003
2700	0.006
2760	0.002
2820	0.005
2880	0.003
2940	0.001
3000	0.002
3060	0.003
3120	0.001
3180	0.004
3240	0.001
3300	0.001
3360	0.007
3420	0.002
3480	0.002
3540	0.001
3600	0.009
3660	0.001
3720	0
3780	0.001
3840	0.007
3900	0.001
3960	0.002
4020	0
4080	0.002
4140	0.008
4200	0
4260	0.006
4320	0.006
4380	0.008
4440	0.013
4500	0.003
4560	0.003
4620	0
4680	0.005
4740	0.016
4800	0.004

4860	0.003
4920	0.002
4980	0.002
5040	0.001
5100	0.001
5160	0.001
5220	0.003
5280	0.001
5340	0.004
5400	0.002
5460	0.005
5520	0.001
5580	0.001
5640	0.001
5700	0.001
5760	0.001
5820	0.001
5880	0.001
5940	0.001
6000	0.001
6060	0.001
6120	0.002
6180	0.001
6240	0.001
6300	0.002
6360	0.001
6420	0.001
6480	0.004
6540	0.003
6600	0.002
6660	0.003
6720	0.003
6780	0.004
6840	0.004
6900	0.004
6960	0.006
7020	0.009
7080	0.005
7140	0.009
7200	0.007
7260	0.003
7320	0.004
7380	0.004
7440	0.005
7500	0.007
7560	0.004
7620	0.006
7680	0.004
7740	0.005
7800	0.006

7860	0.007
7920	0.006
7980	0.014
8040	0.011
8100	0.005
8160	0.004
8220	0.004
8280	0.009
8340	0.007
8400	0.005
8460	0.009
8520	0.006
8580	0.008
8640	0.005
8700	0.009
8760	0.006
8820	0.011
8880	0.006
8940	0.009
9000	0.006
9060	0.007
9120	0.006
9180	0.007
9240	0.012
9300	0.022
9360	0.01
9420	0.01
9480	0.011
9540	0.036
9600	0.036
9660	0.012
9720	0.009
9780	0.01
9840	0.017
9900	0.008
9960	0.007
10020	0.006
10080	0.013
10140	0.008
10200	0.009
10260	0.008
10320	0.008
10380	0.007
10440	0.007
10500	0.009
10560	0.012
10620	0.02
10680	0.018
10740	0.011
10800	0.007

10860	0.009
10920	0.007
10980	0.009
11040	0.006
11100	0.006
11160	0.006
11220	0.006
11280	0.013
11340	0.011
11400	0.05
11460	0.031
11520	0.007
11580	0.007
11640	0.006
11700	0.007
11760	0.006
11820	0.036
11880	0.011
11940	0.007
12000	0.022
12060	0.011
12120	0.008
12180	0.007
12240	0.006
12300	0.007
12360	0.007
12420	0.007
12480	0.009
12540	0.009
12600	0.008
12660	0.009
12720	0.01
12780	0.008
12840	0.009
12900	0.007
12960	0.014
13020	0.013
13080	0.011
13140	0.024
13200	0.013
13260	0.009
13320	0.01
13380	0.01
13440	0.009
13500	0.045
13560	0.018
13620	0.014
13680	0.015
13740	0.012
13800	0.008

13860	0.05
13920	0.014
13980	0.008
14040	0.008
14100	0.008
14160	0.009
14220	0.008
14280	0.008
14340	0.008
14400	0.008
14460	0.017
14520	0.106
14580	0.015
14640	0.015
14700	0.015
14760	0.012
14820	0.009
14880	0.032
14940	0.026
15000	0.019
15060	0.007
15120	0.008
15180	0.007
15240	0.009
15300	0.109
15360	0.011
15420	0.008
15480	0.009
15540	0.01
15600	0.036
15660	0.012
15720	0.018
15780	0.013
15840	0.008
15900	0.009
15960	0.008
16020	0.008
16080	0.008
16140	0.007
16200	0.008
16260	0.008
16320	0.008
16380	0.01
16440	0.008
16500	0.008
16560	0.023
16620	0.03
16680	0.009
16740	0.008
16800	0.008

16860	0.009
16920	0.016
16980	0.009
17040	0.008
17100	0.036
17160	0.017
17220	0.008
17280	0.008
17340	0.008
17400	0.008
17460	0.008
17520	0.013
17580	0.017
17640	0.021
17700	0.039
17760	0.013
17820	0.008
17880	0.016
17940	0.079
18000	0.022
18060	0.013
18120	0.035
18180	0.023
18240	0.01
18300	0.009
18360	0.008
18420	0.009
18480	0.012
18540	0.051
18600	0.016
18660	0.009
18720	0.008
18780	0.011
18840	0.011
18900	0.012
18960	0.009
19020	0.009
19080	0.012
19140	0.011
19200	0.007
19260	0.007
19320	0.012
19380	0.008
19440	0.014
19500	0.013
19560	0.014
19620	0.01
19680	0.008
19740	0.008
19800	0.013

19860	0.009
19920	0.016
19980	0.009
20040	0.009
20100	0.008
20160	0.008
20220	0.009
20280	0.009
20340	0.012
20400	0.012
20460	0.021
20520	0.011
20580	0.046
20640	0.026
20700	0.036
20760	0.024
20820	0.009
20880	0.009
20940	0.072
21000	0.02
21060	0.013
21120	0.011
21180	0.016
21240	0.026
21300	0.053
21360	0.044
21420	0.013
21480	0.008
21540	0.01
21600	0.008
21660	0.007
21720	0.007
21780	0.007
21840	0.008
21900	0.015
21960	0.011
22020	0.008
22080	0.009
22140	0.011
22200	0.012
22260	0.038
22320	0.011
22380	0.011
22440	0.018
22500	0.009
22560	0.014
22620	0.018
22680	0.013
22740	0.009
22800	0.013

22860	0.017
22920	0.011
22980	0.011
23040	0.012
23100	0.015
23160	0.008
23220	0.008
23280	0.008
23340	0.008
23400	0.015
23460	0.01
23520	0.015
23580	0.033
23640	0.023
23700	0.02
23760	0.01
23820	0.009
23880	0.01
23940	0.016
24000	0.008
24060	0.008
24120	0.012
24180	0.009
24240	0.011
24300	0.014
24360	0.009
24420	0.023
24480	0.013
24540	0.009
24600	0.011
24660	0.013
24720	0.008
24780	0.008
24840	0.008
24900	0.011
24960	0.008
25020	0.009
25080	0.012
25140	0.011

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_032	
Test Start Time		7:11:40 AM
Test Start Date		1/3/2018
Test Length [D:H:M]		0:08:11
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.014
Mass Minimum [mg/m3]		0.002
Mass Maximum [mg/m3]		0.336
Mass TWA [mg/m3]		0.014
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		491

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.003	
120		0.003	
180		0.005	
240		0.003	
300		0.003	
360		0.003	
420		0.004	
480		0.004	
540		0.005	
600		0.018	
660		0.146	
720		0.336	
780		0.061	
840		0.08	
900		0.027	
960		0.013	
1020		0.014	
1080		0.015	
1140		0.028	
1200		0.015	
1260		0.009	
1320		0.024	
1380		0.014	
1440		0.008	
1500		0.004	
1560		0.005	
1620		0.004	
1680		0.005	
1740		0.006	
1800		0.006	

1860	0.009
1920	0.01
1980	0.022
2040	0.011
2100	0.011
2160	0.019
2220	0.016
2280	0.031
2340	0.033
2400	0.033
2460	0.017
2520	0.021
2580	0.034
2640	0.012
2700	0.007
2760	0.006
2820	0.006
2880	0.006
2940	0.006
3000	0.006
3060	0.006
3120	0.007
3180	0.007
3240	0.011
3300	0.007
3360	0.009
3420	0.008
3480	0.011
3540	0.009
3600	0.012
3660	0.017
3720	0.012
3780	0.011
3840	0.01
3900	0.007
3960	0.007
4020	0.009
4080	0.008
4140	0.007
4200	0.007
4260	0.007
4320	0.007
4380	0.009
4440	0.007
4500	0.007
4560	0.006
4620	0.007
4680	0.008
4740	0.007
4800	0.007

4860	0.007
4920	0.007
4980	0.011
5040	0.006
5100	0.008
5160	0.006
5220	0.006
5280	0.013
5340	0.006
5400	0.007
5460	0.009
5520	0.006
5580	0.006
5640	0.006
5700	0.006
5760	0.006
5820	0.006
5880	0.006
5940	0.006
6000	0.006
6060	0.006
6120	0.007
6180	0.016
6240	0.03
6300	0.053
6360	0.024
6420	0.016
6480	0.075
6540	0.016
6600	0.011
6660	0.075
6720	0.04
6780	0.029
6840	0.016
6900	0.011
6960	0.016
7020	0.008
7080	0.008
7140	0.007
7200	0.009
7260	0.007
7320	0.006
7380	0.007
7440	0.006
7500	0.006
7560	0.006
7620	0.006
7680	0.007
7740	0.007
7800	0.007

7860	0.007
7920	0.007
7980	0.006
8040	0.006
8100	0.006
8160	0.007
8220	0.007
8280	0.007
8340	0.008
8400	0.007
8460	0.007
8520	0.007
8580	0.007
8640	0.007
8700	0.006
8760	0.007
8820	0.006
8880	0.007
8940	0.009
9000	0.007
9060	0.007
9120	0.011
9180	0.051
9240	0.057
9300	0.018
9360	0.023
9420	0.016
9480	0.127
9540	0.124
9600	0.122
9660	0.118
9720	0.05
9780	0.029
9840	0.013
9900	0.015
9960	0.008
10020	0.009
10080	0.009
10140	0.007
10200	0.007
10260	0.007
10320	0.007
10380	0.007
10440	0.007
10500	0.007
10560	0.007
10620	0.007
10680	0.008
10740	0.008
10800	0.008

10860	0.008
10920	0.008
10980	0.007
11040	0.007
11100	0.008
11160	0.007
11220	0.007
11280	0.009
11340	0.01
11400	0.008
11460	0.007
11520	0.007
11580	0.007
11640	0.007
11700	0.007
11760	0.007
11820	0.007
11880	0.007
11940	0.007
12000	0.007
12060	0.007
12120	0.007
12180	0.008
12240	0.007
12300	0.008
12360	0.008
12420	0.007
12480	0.007
12540	0.008
12600	0.008
12660	0.007
12720	0.007
12780	0.007
12840	0.006
12900	0.006
12960	0.007
13020	0.007
13080	0.008
13140	0.01
13200	0.008
13260	0.007
13320	0.008
13380	0.025
13440	0.022
13500	0.013
13560	0.049
13620	0.05
13680	0.091
13740	0.036
13800	0.028

13860	0.022
13920	0.058
13980	0.028
14040	0.044
14100	0.028
14160	0.022
14220	0.019
14280	0.014
14340	0.017
14400	0.023
14460	0.015
14520	0.021
14580	0.011
14640	0.021
14700	0.011
14760	0.008
14820	0.012
14880	0.013
14940	0.011
15000	0.011
15060	0.009
15120	0.009
15180	0.007
15240	0.007
15300	0.009
15360	0.008
15420	0.008
15480	0.007
15540	0.007
15600	0.008
15660	0.008
15720	0.007
15780	0.007
15840	0.007
15900	0.006
15960	0.008
16020	0.008
16080	0.01
16140	0.015
16200	0.011
16260	0.012
16320	0.023
16380	0.033
16440	0.012
16500	0.023
16560	0.01
16620	0.032
16680	0.035
16740	0.011
16800	0.009

16860	0.039
16920	0.022
16980	0.024
17040	0.011
17100	0.01
17160	0.008
17220	0.011
17280	0.009
17340	0.008
17400	0.007
17460	0.007
17520	0.007
17580	0.007
17640	0.007
17700	0.006
17760	0.007
17820	0.008
17880	0.009
17940	0.008
18000	0.007
18060	0.007
18120	0.008
18180	0.073
18240	0.089
18300	0.057
18360	0.043
18420	0.025
18480	0.02
18540	0.025
18600	0.037
18660	0.009
18720	0.012
18780	0.016
18840	0.014
18900	0.013
18960	0.007
19020	0.009
19080	0.012
19140	0.01
19200	0.01
19260	0.012
19320	0.008
19380	0.01
19440	0.008
19500	0.012
19560	0.008
19620	0.009
19680	0.013
19740	0.006
19800	0.006

19860	0.006
19920	0.006
19980	0.007
20040	0.006
20100	0.006
20160	0.006
20220	0.006
20280	0.006
20340	0.006
20400	0.005
20460	0.005
20520	0.005
20580	0.006
20640	0.006
20700	0.006
20760	0.005
20820	0.005
20880	0.005
20940	0.006
21000	0.006
21060	0.005
21120	0.005
21180	0.006
21240	0.005
21300	0.005
21360	0.005
21420	0.07
21480	0.082
21540	0.017
21600	0.037
21660	0.065
21720	0.034
21780	0.019
21840	0.014
21900	0.022
21960	0.009
22020	0.01
22080	0.006
22140	0.009
22200	0.008
22260	0.013
22320	0.02
22380	0.023
22440	0.012
22500	0.009
22560	0.006
22620	0.007
22680	0.008
22740	0.008
22800	0.007

22860	0.006
22920	0.005
22980	0.006
23040	0.005
23100	0.005
23160	0.005
23220	0.005
23280	0.005
23340	0.004
23400	0.005
23460	0.005
23520	0.004
23580	0.004
23640	0.004
23700	0.004
23760	0.004
23820	0.004
23880	0.004
23940	0.004
24000	0.004
24060	0.004
24120	0.004
24180	0.004
24240	0.004
24300	0.004
24360	0.004
24420	0.011
24480	0.022
24540	0.038
24600	0.023
24660	0.017
24720	0.011
24780	0.02
24840	0.022
24900	0.033
24960	0.007
25020	0.009
25080	0.006
25140	0.006
25200	0.005
25260	0.006
25320	0.004
25380	0.007
25440	0.007
25500	0.004
25560	0.003
25620	0.007
25680	0.006
25740	0.003
25800	0.004

25860	0.003
25920	0.005
25980	0.004
26040	0.003
26100	0.003
26160	0.003
26220	0.003
26280	0.004
26340	0.004
26400	0.003
26460	0.003
26520	0.003
26580	0.003
26640	0.002
26700	0.003
26760	0.003
26820	0.003
26880	0.003
26940	0.003
27000	0.003
27060	0.002
27120	0.002
27180	0.002
27240	0.002
27300	0.002
27360	0.002
27420	0.002
27480	0.002
27540	0.005
27600	0.002
27660	0.012
27720	0.042
27780	0.114
27840	0.028
27900	0.053
27960	0.007
28020	0.006
28080	0.003
28140	0.026
28200	0.008
28260	0.007
28320	0.007
28380	0.004
28440	0.007
28500	0.004
28560	0.004
28620	0.004
28680	0.003
28740	0.003
28800	0.002

28860	0.002
28920	0.003
28980	0.002
29040	0.003
29100	0.002
29160	0.002
29220	0.004
29280	0.003
29340	0.004
29400	0.004
29460	0.004

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_033	
Test Start Time		7:34:37 AM
Test Start Date		1/4/2018
Test Length [D:H:M]		0:07:42
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.019
Mass Minimum [mg/m3]		0.002
Mass Maximum [mg/m3]		0.055
Mass TWA [mg/m3]		0.018
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		462

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.031	
120		0.013	
180		0.012	
240		0.012	
300		0.012	
360		0.011	
420		0.011	
480		0.011	
540		0.01	
600		0.009	
660		0.009	
720		0.008	
780		0.009	
840		0.008	
900		0.008	
960		0.007	
1020		0.007	
1080		0.007	
1140		0.007	
1200		0.006	
1260		0.006	
1320		0.006	
1380		0.006	
1440		0.006	
1500		0.005	
1560		0.006	
1620		0.005	
1680		0.005	
1740		0.005	
1800		0.005	

1860	0.005
1920	0.004
1980	0.035
2040	0.026
2100	0.032
2160	0.026
2220	0.027
2280	0.029
2340	0.027
2400	0.027
2460	0.027
2520	0.028
2580	0.03
2640	0.029
2700	0.029
2760	0.034
2820	0.033
2880	0.03
2940	0.031
3000	0.031
3060	0.032
3120	0.034
3180	0.032
3240	0.033
3300	0.033
3360	0.032
3420	0.033
3480	0.052
3540	0.035
3600	0.038
3660	0.04
3720	0.037
3780	0.035
3840	0.035
3900	0.036
3960	0.037
4020	0.037
4080	0.04
4140	0.042
4200	0.043
4260	0.051
4320	0.038
4380	0.039
4440	0.046
4500	0.04
4560	0.04
4620	0.041
4680	0.041
4740	0.04
4800	0.04

4860	0.039
4920	0.04
4980	0.041
5040	0.041
5100	0.042
5160	0.041
5220	0.04
5280	0.055
5340	0.041
5400	0.04
5460	0.041
5520	0.042
5580	0.041
5640	0.042
5700	0.042
5760	0.041
5820	0.041
5880	0.04
5940	0.04
6000	0.051
6060	0.042
6120	0.041
6180	0.041
6240	0.05
6300	0.041
6360	0.04
6420	0.041
6480	0.042
6540	0.041
6600	0.041
6660	0.04
6720	0.04
6780	0.041
6840	0.041
6900	0.041
6960	0.042
7020	0.039
7080	0.04
7140	0.041
7200	0.04
7260	0.043
7320	0.043
7380	0.04
7440	0.042
7500	0.047
7560	0.04
7620	0.041
7680	0.041
7740	0.041
7800	0.04

7860	0.04
7920	0.047
7980	0.04
8040	0.041
8100	0.04
8160	0.04
8220	0.041
8280	0.04
8340	0.04
8400	0.04
8460	0.041
8520	0.041
8580	0.04
8640	0.04
8700	0.039
8760	0.04
8820	0.039
8880	0.039
8940	0.039
9000	0.039
9060	0.039
9120	0.038
9180	0.038
9240	0.038
9300	0.038
9360	0.038
9420	0.039
9480	0.039
9540	0.039
9600	0.039
9660	0.039
9720	0.038
9780	0.038
9840	0.039
9900	0.039
9960	0.039
10020	0.039
10080	0.039
10140	0.039
10200	0.039
10260	0.039
10320	0.039
10380	0.038
10440	0.039
10500	0.039
10560	0.039
10620	0.038
10680	0.038
10740	0.039
10800	0.038

10860	0.038
10920	0.037
10980	0.037
11040	0.036
11100	0.035
11160	0.035
11220	0.035
11280	0.034
11340	0.034
11400	0.035
11460	0.034
11520	0.035
11580	0.033
11640	0.033
11700	0.032
11760	0.035
11820	0.034
11880	0.033
11940	0.032
12000	0.032
12060	0.032
12120	0.03
12180	0.029
12240	0.028
12300	0.029
12360	0.029
12420	0.026
12480	0.025
12540	0.025
12600	0.029
12660	0.028
12720	0.022
12780	0.021
12840	0.02
12900	0.022
12960	0.02
13020	0.02
13080	0.02
13140	0.02
13200	0.02
13260	0.019
13320	0.019
13380	0.019
13440	0.019
13500	0.018
13560	0.018
13620	0.018
13680	0.018
13740	0.017
13800	0.016

13860	0.016
13920	0.014
13980	0.014
14040	0.014
14100	0.013
14160	0.013
14220	0.013
14280	0.013
14340	0.013
14400	0.013
14460	0.013
14520	0.013
14580	0.014
14640	0.012
14700	0.019
14760	0.011
14820	0.011
14880	0.014
14940	0.011
15000	0.011
15060	0.011
15120	0.011
15180	0.011
15240	0.01
15300	0.01
15360	0.01
15420	0.01
15480	0.009
15540	0.009
15600	0.009
15660	0.008
15720	0.008
15780	0.008
15840	0.008
15900	0.007
15960	0.008
16020	0.007
16080	0.007
16140	0.007
16200	0.007
16260	0.006
16320	0.006
16380	0.006
16440	0.006
16500	0.006
16560	0.006
16620	0.006
16680	0.006
16740	0.006
16800	0.006

16860	0.006
16920	0.006
16980	0.006
17040	0.006
17100	0.006
17160	0.006
17220	0.006
17280	0.006
17340	0.006
17400	0.006
17460	0.006
17520	0.006
17580	0.006
17640	0.006
17700	0.006
17760	0.006
17820	0.006
17880	0.006
17940	0.006
18000	0.006
18060	0.006
18120	0.006
18180	0.006
18240	0.005
18300	0.005
18360	0.005
18420	0.005
18480	0.004
18540	0.003
18600	0.003
18660	0.003
18720	0.004
18780	0.003
18840	0.003
18900	0.003
18960	0.003
19020	0.003
19080	0.003
19140	0.003
19200	0.003
19260	0.003
19320	0.003
19380	0.003
19440	0.003
19500	0.003
19560	0.003
19620	0.003
19680	0.003
19740	0.002
19800	0.003

19860	0.003
19920	0.002
19980	0.003
20040	0.003
20100	0.003
20160	0.003
20220	0.003
20280	0.003
20340	0.003
20400	0.003
20460	0.003
20520	0.003
20580	0.005
20640	0.017
20700	0.003
20760	0.003
20820	0.003
20880	0.003
20940	0.003
21000	0.003
21060	0.003
21120	0.002
21180	0.002
21240	0.002
21300	0.002
21360	0.003
21420	0.002
21480	0.002
21540	0.003
21600	0.003
21660	0.004
21720	0.003
21780	0.003
21840	0.003
21900	0.003
21960	0.003
22020	0.003
22080	0.003
22140	0.003
22200	0.003
22260	0.003
22320	0.004
22380	0.004
22440	0.004
22500	0.004
22560	0.004
22620	0.004
22680	0.004
22740	0.004
22800	0.004

22860	0.007
22920	0.004
22980	0.004
23040	0.005
23100	0.006
23160	0.018
23220	0.021
23280	0.006
23340	0.004
23400	0.004
23460	0.004
23520	0.004
23580	0.004
23640	0.005
23700	0.005
23760	0.008
23820	0.006
23880	0.004
23940	0.005
24000	0.006
24060	0.004
24120	0.006
24180	0.004
24240	0.004
24300	0.007
24360	0.004
24420	0.004
24480	0.004
24540	0.004
24600	0.004
24660	0.004
24720	0.005
24780	0.005
24840	0.004
24900	0.004
24960	0.004
25020	0.004
25080	0.004
25140	0.004
25200	0.005
25260	0.004
25320	0.005
25380	0.005
25440	0.007
25500	0.005
25560	0.005
25620	0.006
25680	0.006
25740	0.02
25800	0.006

25860	0.006
25920	0.009
25980	0.006
26040	0.006
26100	0.006
26160	0.006
26220	0.006
26280	0.006
26340	0.006
26400	0.009
26460	0.007
26520	0.007
26580	0.007
26640	0.007
26700	0.007
26760	0.007
26820	0.007
26880	0.007
26940	0.007
27000	0.008
27060	0.008
27120	0.007
27180	0.008
27240	0.007
27300	0.007
27360	0.007
27420	0.008
27480	0.008
27540	0.008
27600	0.007
27660	0.013
27720	0.01

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_034	
Test Start Time		8:20:40 AM
Test Start Date		1/8/2018
Test Length [D:H:M]		0:06:51
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.005
Mass Minimum [mg/m3]		0
Mass Maximum [mg/m3]		0.021
Mass TWA [mg/m3]		0.005
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		411

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.007	
120		0.005	
180		0.011	
240		0.005	
300		0.004	
360		0.004	
420		0.004	
480		0.004	
540		0.004	
600		0.005	
660		0.005	
720		0.005	
780		0.005	
840		0.005	
900		0.005	
960		0.005	
1020		0.005	
1080		0.005	
1140		0.005	
1200		0.005	
1260		0.005	
1320		0.005	
1380		0.005	
1440		0.005	
1500		0.006	
1560		0.005	
1620		0.006	
1680		0.006	
1740		0.006	
1800		0.005	

1860	0.006
1920	0.006
1980	0.006
2040	0.006
2100	0.012
2160	0.006
2220	0.006
2280	0.006
2340	0.006
2400	0.007
2460	0.006
2520	0.006
2580	0.006
2640	0.006
2700	0.006
2760	0.006
2820	0.006
2880	0.006
2940	0.006
3000	0.007
3060	0.007
3120	0.007
3180	0.006
3240	0.007
3300	0.007
3360	0.007
3420	0.007
3480	0.007
3540	0.007
3600	0.007
3660	0.007
3720	0.007
3780	0.007
3840	0.007
3900	0.007
3960	0.008
4020	0.007
4080	0.007
4140	0.007
4200	0.012
4260	0.008
4320	0.012
4380	0.008
4440	0.009
4500	0.014
4560	0.008
4620	0.009
4680	0.008
4740	0.008
4800	0.008

4860	0.008
4920	0.008
4980	0.008
5040	0.008
5100	0.008
5160	0.008
5220	0.008
5280	0.008
5340	0.008
5400	0.008
5460	0.008
5520	0.008
5580	0.008
5640	0.008
5700	0.008
5760	0.008
5820	0.008
5880	0.008
5940	0.008
6000	0.008
6060	0.008
6120	0.008
6180	0.008
6240	0.008
6300	0.007
6360	0.008
6420	0.008
6480	0.008
6540	0.008
6600	0.008
6660	0.008
6720	0.008
6780	0.008
6840	0.008
6900	0.009
6960	0.009
7020	0.009
7080	0.008
7140	0.008
7200	0.008
7260	0.008
7320	0.008
7380	0.008
7440	0.008
7500	0.008
7560	0.008
7620	0.008
7680	0.008
7740	0.008
7800	0.008

7860	0.008
7920	0.008
7980	0.008
8040	0.008
8100	0.008
8160	0.008
8220	0.008
8280	0.008
8340	0.008
8400	0.008
8460	0.008
8520	0.008
8580	0.008
8640	0.007
8700	0.007
8760	0.007
8820	0.007
8880	0.007
8940	0.007
9000	0.007
9060	0.007
9120	0.007
9180	0.007
9240	0.007
9300	0.008
9360	0.007
9420	0.007
9480	0.007
9540	0.007
9600	0.007
9660	0.007
9720	0.007
9780	0.007
9840	0.007
9900	0.007
9960	0.007
10020	0.007
10080	0.007
10140	0.007
10200	0.007
10260	0.007
10320	0.007
10380	0.007
10440	0.007
10500	0.006
10560	0.007
10620	0.007
10680	0.007
10740	0.007
10800	0.006

10860	0.006
10920	0.007
10980	0.007
11040	0.007
11100	0.007
11160	0.007
11220	0.007
11280	0.007
11340	0.007
11400	0.007
11460	0.007
11520	0.007
11580	0.007
11640	0.007
11700	0.007
11760	0.007
11820	0.007
11880	0.007
11940	0.007
12000	0.007
12060	0.007
12120	0.007
12180	0.007
12240	0.007
12300	0.007
12360	0.007
12420	0.007
12480	0.007
12540	0.007
12600	0.007
12660	0.007
12720	0.007
12780	0.007
12840	0.007
12900	0.007
12960	0.007
13020	0.007
13080	0.013
13140	0.007
13200	0.01
13260	0.007
13320	0.007
13380	0.007
13440	0.007
13500	0.011
13560	0.007
13620	0.008
13680	0.008
13740	0.008
13800	0.007

13860	0.007
13920	0.007
13980	0.007
14040	0.007
14100	0.013
14160	0.021
14220	0.007
14280	0.007
14340	0.007
14400	0.009
14460	0.007
14520	0.007
14580	0.007
14640	0.007
14700	0.007
14760	0.008
14820	0.008
14880	0.008
14940	0.007
15000	0.007
15060	0.007
15120	0.007
15180	0.007
15240	0.007
15300	0.007
15360	0.008
15420	0.007
15480	0.007
15540	0.003
15600	0.003
15660	0.003
15720	0.003
15780	0.003
15840	0.003
15900	0.003
15960	0.003
16020	0.003
16080	0.003
16140	0.003
16200	0.003
16260	0.003
16320	0.003
16380	0.003
16440	0.003
16500	0.003
16560	0.003
16620	0.003
16680	0.003
16740	0.003
16800	0.003

16860	0.003
16920	0.003
16980	0.003
17040	0.003
17100	0.003
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	0.003
18060	0.002
18120	0.002
18180	0.002
18240	0.002
18300	0.002
18360	0.002
18420	0.002
18480	0.003
18540	0.002
18600	0.002
18660	0.002
18720	0.002
18780	0.002
18840	0.002
18900	0.002
18960	0.002
19020	0.002
19080	0.002
19140	0.002
19200	0.002
19260	0.002
19320	0.002
19380	0.002
19440	0.002
19500	0.001
19560	0.002
19620	0.002
19680	0.001
19740	0.001
19800	0.001

19860	0.001
19920	0.001
19980	0.001
20040	0.001
20100	0.001
20160	0.001
20220	0.019
20280	0.002
20340	0.001
20400	0.001
20460	0.002
20520	0.001
20580	0.002
20640	0.001
20700	0.002
20760	0.001
20820	0.001
20880	0.001
20940	0.012
21000	0.012
21060	0.001
21120	0.001
21180	0.001
21240	0.001
21300	0
21360	0.001
21420	0.001
21480	0.001
21540	0.001
21600	0.001
21660	0.001
21720	0.001
21780	0.004
21840	0.007
21900	0.001
21960	0.001
22020	0.001
22080	0.001
22140	0.001
22200	0.001
22260	0.001
22320	0.001
22380	0.001
22440	0.001
22500	0.001
22560	0.001
22620	0.001
22680	0.001
22740	0.001
22800	0.001

22860	0.001
22920	0.001
22980	0.001
23040	0.001
23100	0.001
23160	0.001
23220	0.001
23280	0.001
23340	0.001
23400	0.002
23460	0.002
23520	0.002
23580	0.002
23640	0.002
23700	0.002
23760	0.002
23820	0.002
23880	0.002
23940	0.003
24000	0.003
24060	0.003
24120	0.002
24180	0.002
24240	0.002
24300	0.002
24360	0.002
24420	0.003
24480	0.003
24540	0.007
24600	0.006
24660	0.005

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_035	
Test Start Time		9:53:49 AM
Test Start Date		1/9/2018
Test Length [D:H:M]		0:05:20
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.035
Mass Minimum [mg/m3]		0.009
Mass Maximum [mg/m3]		0.059
Mass TWA [mg/m3]		0.024
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		320

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.01	
120		0.009	
180		0.029	
240		0.04	
300		0.042	
360		0.042	
420		0.043	
480		0.043	
540		0.044	
600		0.044	
660		0.045	
720		0.045	
780		0.046	
840		0.046	
900		0.047	
960		0.048	
1020		0.047	
1080		0.049	
1140		0.048	
1200		0.048	
1260		0.048	
1320		0.049	
1380		0.049	
1440		0.05	
1500		0.05	
1560		0.049	
1620		0.05	
1680		0.05	
1740		0.05	
1800		0.051	

1860	0.051
1920	0.052
1980	0.052
2040	0.053
2100	0.053
2160	0.053
2220	0.053
2280	0.053
2340	0.054
2400	0.054
2460	0.054
2520	0.053
2580	0.053
2640	0.053
2700	0.052
2760	0.052
2820	0.052
2880	0.052
2940	0.052
3000	0.052
3060	0.052
3120	0.052
3180	0.052
3240	0.052
3300	0.052
3360	0.052
3420	0.052
3480	0.052
3540	0.052
3600	0.052
3660	0.052
3720	0.053
3780	0.053
3840	0.053
3900	0.053
3960	0.053
4020	0.054
4080	0.054
4140	0.054
4200	0.054
4260	0.054
4320	0.054
4380	0.054
4440	0.054
4500	0.055
4560	0.055
4620	0.055
4680	0.055
4740	0.055
4800	0.055

4860	0.055
4920	0.055
4980	0.056
5040	0.056
5100	0.054
5160	0.054
5220	0.054
5280	0.054
5340	0.054
5400	0.054
5460	0.054
5520	0.054
5580	0.057
5640	0.053
5700	0.053
5760	0.054
5820	0.053
5880	0.053
5940	0.053
6000	0.053
6060	0.053
6120	0.053
6180	0.052
6240	0.05
6300	0.047
6360	0.05
6420	0.05
6480	0.05
6540	0.05
6600	0.05
6660	0.05
6720	0.049
6780	0.049
6840	0.05
6900	0.049
6960	0.049
7020	0.049
7080	0.049
7140	0.049
7200	0.049
7260	0.05
7320	0.052
7380	0.049
7440	0.049
7500	0.057
7560	0.05
7620	0.049
7680	0.048
7740	0.048
7800	0.047

7860	0.059
7920	0.047
7980	0.047
8040	0.047
8100	0.047
8160	0.046
8220	0.045
8280	0.045
8340	0.045
8400	0.045
8460	0.044
8520	0.044
8580	0.044
8640	0.046
8700	0.043
8760	0.043
8820	0.041
8880	0.05
8940	0.043
9000	0.043
9060	0.044
9120	0.043
9180	0.043
9240	0.043
9300	0.041
9360	0.041
9420	0.041
9480	0.04
9540	0.038
9600	0.038
9660	0.037
9720	0.037
9780	0.037
9840	0.037
9900	0.037
9960	0.036
10020	0.036
10080	0.036
10140	0.036
10200	0.036
10260	0.036
10320	0.036
10380	0.036
10440	0.036
10500	0.036
10560	0.036
10620	0.036
10680	0.036
10740	0.036
10800	0.035

10860	0.035
10920	0.035
10980	0.035
11040	0.035
11100	0.035
11160	0.035
11220	0.035
11280	0.035
11340	0.035
11400	0.035
11460	0.032
11520	0.032
11580	0.032
11640	0.031
11700	0.03
11760	0.029
11820	0.029
11880	0.028
11940	0.028
12000	0.028
12060	0.028
12120	0.027
12180	0.027
12240	0.027
12300	0.026
12360	0.025
12420	0.025
12480	0.025
12540	0.025
12600	0.025
12660	0.025
12720	0.025
12780	0.024
12840	0.024
12900	0.023
12960	0.023
13020	0.022
13080	0.022
13140	0.021
13200	0.021
13260	0.021
13320	0.02
13380	0.02
13440	0.02
13500	0.02
13560	0.019
13620	0.018
13680	0.017
13740	0.017
13800	0.015

13860	0.015
13920	0.015
13980	0.014
14040	0.014
14100	0.013
14160	0.014
14220	0.014
14280	0.014
14340	0.014
14400	0.015
14460	0.015
14520	0.015
14580	0.015
14640	0.015
14700	0.015
14760	0.015
14820	0.015
14880	0.015
14940	0.015
15000	0.016
15060	0.016
15120	0.016
15180	0.015
15240	0.016
15300	0.016
15360	0.016
15420	0.016
15480	0.015
15540	0.015
15600	0.015
15660	0.016
15720	0.015
15780	0.014
15840	0.015
15900	0.014
15960	0.014
16020	0.014
16080	0.014
16140	0.014
16200	0.014
16260	0.014
16320	0.014
16380	0.014
16440	0.014
16500	0.014
16560	0.014
16620	0.014
16680	0.013
16740	0.016
16800	0.015

16860	0.014
16920	0.014
16980	0.014
17040	0.014
17100	0.014
17160	0.014
17220	0.014
17280	0.014
17340	0.014
17400	0.015
17460	0.015
17520	0.016
17580	0.016
17640	0.015
17700	0.015
17760	0.015
17820	0.015
17880	0.017
17940	0.015
18000	0.015
18060	0.015
18120	0.016
18180	0.026
18240	0.017
18300	0.017
18360	0.017
18420	0.017
18480	0.017
18540	0.017
18600	0.017
18660	0.016
18720	0.016
18780	0.016
18840	0.016
18900	0.016
18960	0.015
19020	0.015
19080	0.015
19140	0.015
19200	0.016

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_036	
Test Start Time		7:17:31 AM
Test Start Date		1/10/2018
Test Length [D:H:M]		0:03:43
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.021
Mass Minimum [mg/m3]		0.008
Mass Maximum [mg/m3]		0.073
Mass TWA [mg/m3]		0.01
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		223

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.008	
120		0.008	
180		0.008	
240		0.008	
300		0.009	
360		0.008	
420		0.009	
480		0.009	
540		0.01	
600		0.01	
660		0.029	
720		0.017	
780		0.016	
840		0.018	
900		0.017	
960		0.015	
1020		0.017	
1080		0.016	
1140		0.013	
1200		0.013	
1260		0.013	
1320		0.013	
1380		0.012	
1440		0.013	
1500		0.013	
1560		0.013	
1620		0.013	
1680		0.014	
1740		0.013	
1800		0.014	

1860	0.014
1920	0.013
1980	0.014
2040	0.013
2100	0.013
2160	0.014
2220	0.014
2280	0.014
2340	0.015
2400	0.015
2460	0.016
2520	0.017
2580	0.019
2640	0.016
2700	0.017
2760	0.017
2820	0.016
2880	0.018
2940	0.017
3000	0.015
3060	0.016
3120	0.014
3180	0.014
3240	0.015
3300	0.016
3360	0.017
3420	0.018
3480	0.018
3540	0.014
3600	0.015
3660	0.013
3720	0.015
3780	0.015
3840	0.018
3900	0.018
3960	0.021
4020	0.022
4080	0.024
4140	0.015
4200	0.022
4260	0.017
4320	0.021
4380	0.014
4440	0.013
4500	0.023
4560	0.036
4620	0.014
4680	0.025
4740	0.015
4800	0.021

4860	0.017
4920	0.015
4980	0.015
5040	0.014
5100	0.014
5160	0.014
5220	0.014
5280	0.017
5340	0.014
5400	0.014
5460	0.016
5520	0.015
5580	0.017
5640	0.033
5700	0.019
5760	0.017
5820	0.017
5880	0.021
5940	0.015
6000	0.02
6060	0.015
6120	0.016
6180	0.019
6240	0.023
6300	0.016
6360	0.028
6420	0.019
6480	0.017
6540	0.031
6600	0.018
6660	0.032
6720	0.018
6780	0.016
6840	0.018
6900	0.018
6960	0.019
7020	0.018
7080	0.019
7140	0.023
7200	0.049
7260	0.021
7320	0.049
7380	0.025
7440	0.019
7500	0.02
7560	0.021
7620	0.02
7680	0.024
7740	0.022
7800	0.017

7860	0.023
7920	0.019
7980	0.019
8040	0.018
8100	0.068
8160	0.019
8220	0.019
8280	0.019
8340	0.02
8400	0.023
8460	0.022
8520	0.04
8580	0.022
8640	0.024
8700	0.027
8760	0.024
8820	0.025
8880	0.023
8940	0.02
9000	0.02
9060	0.02
9120	0.019
9180	0.017
9240	0.019
9300	0.02
9360	0.023
9420	0.023
9480	0.019
9540	0.018
9600	0.018
9660	0.018
9720	0.018
9780	0.022
9840	0.02
9900	0.019
9960	0.018
10020	0.019
10080	0.02
10140	0.019
10200	0.019
10260	0.019
10320	0.021
10380	0.021
10440	0.018
10500	0.018
10560	0.018
10620	0.02
10680	0.019
10740	0.021
10800	0.02

10860	0.018
10920	0.036
10980	0.065
11040	0.017
11100	0.037
11160	0.065
11220	0.027
11280	0.021
11340	0.033
11400	0.02
11460	0.017
11520	0.017
11580	0.016
11640	0.068
11700	0.046
11760	0.016
11820	0.051
11880	0.035
11940	0.017
12000	0.022
12060	0.054
12120	0.021
12180	0.018
12240	0.018
12300	0.073
12360	0.037
12420	0.018
12480	0.021
12540	0.053
12600	0.036
12660	0.022
12720	0.018
12780	0.017
12840	0.021
12900	0.021
12960	0.02
13020	0.02
13080	0.05
13140	0.02
13200	0.018
13260	0.018
13320	0.026
13380	0.022

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_037	
Test Start Time		7:24:05 AM
Test Start Date		1/11/2018
Test Length [D:H:M]		0:07:47
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.022
Mass Minimum [mg/m3]		0.004
Mass Maximum [mg/m3]		0.088
Mass TWA [mg/m3]		0.022
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		467

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.088	
120		0.019	
180		0.027	
240		0.028	
300		0.027	
360		0.029	
420		0.029	
480		0.03	
540		0.029	
600		0.029	
660		0.029	
720		0.03	
780		0.03	
840		0.03	
900		0.03	
960		0.03	
1020		0.031	
1080		0.031	
1140		0.031	
1200		0.031	
1260		0.031	
1320		0.031	
1380		0.031	
1440		0.031	
1500		0.031	
1560		0.031	
1620		0.031	
1680		0.031	
1740		0.031	
1800		0.031	

1860	0.031
1920	0.032
1980	0.033
2040	0.032
2100	0.032
2160	0.032
2220	0.033
2280	0.032
2340	0.032
2400	0.031
2460	0.032
2520	0.031
2580	0.031
2640	0.031
2700	0.031
2760	0.033
2820	0.035
2880	0.034
2940	0.032
3000	0.031
3060	0.032
3120	0.032
3180	0.033
3240	0.032
3300	0.032
3360	0.032
3420	0.032
3480	0.032
3540	0.033
3600	0.032
3660	0.033
3720	0.033
3780	0.033
3840	0.033
3900	0.033
3960	0.035
4020	0.033
4080	0.033
4140	0.039
4200	0.034
4260	0.034
4320	0.033
4380	0.035
4440	0.034
4500	0.034
4560	0.034
4620	0.034
4680	0.034
4740	0.034
4800	0.034

4860	0.034
4920	0.034
4980	0.034
5040	0.034
5100	0.034
5160	0.034
5220	0.034
5280	0.034
5340	0.034
5400	0.034
5460	0.034
5520	0.034
5580	0.034
5640	0.034
5700	0.034
5760	0.035
5820	0.034
5880	0.035
5940	0.035
6000	0.036
6060	0.035
6120	0.034
6180	0.036
6240	0.043
6300	0.037
6360	0.035
6420	0.044
6480	0.034
6540	0.035
6600	0.034
6660	0.034
6720	0.034
6780	0.035
6840	0.035
6900	0.033
6960	0.033
7020	0.033
7080	0.033
7140	0.033
7200	0.033
7260	0.033
7320	0.034
7380	0.035
7440	0.034
7500	0.034
7560	0.033
7620	0.033
7680	0.034
7740	0.034
7800	0.034

7860	0.033
7920	0.033
7980	0.032
8040	0.033
8100	0.032
8160	0.033
8220	0.033
8280	0.033
8340	0.034
8400	0.032
8460	0.033
8520	0.033
8580	0.033
8640	0.034
8700	0.033
8760	0.034
8820	0.033
8880	0.032
8940	0.032
9000	0.032
9060	0.032
9120	0.032
9180	0.031
9240	0.032
9300	0.032
9360	0.032
9420	0.032
9480	0.033
9540	0.032
9600	0.032
9660	0.032
9720	0.032
9780	0.032
9840	0.032
9900	0.032
9960	0.032
10020	0.032
10080	0.032
10140	0.033
10200	0.032
10260	0.032
10320	0.033
10380	0.032
10440	0.032
10500	0.032
10560	0.032
10620	0.032
10680	0.032
10740	0.032
10800	0.032

10860	0.032
10920	0.032
10980	0.032
11040	0.032
11100	0.032
11160	0.032
11220	0.032
11280	0.031
11340	0.032
11400	0.031
11460	0.031
11520	0.031
11580	0.032
11640	0.031
11700	0.031
11760	0.031
11820	0.043
11880	0.033
11940	0.033
12000	0.032
12060	0.033
12120	0.032
12180	0.03
12240	0.03
12300	0.03
12360	0.03
12420	0.033
12480	0.03
12540	0.03
12600	0.029
12660	0.029
12720	0.033
12780	0.03
12840	0.03
12900	0.03
12960	0.03
13020	0.029
13080	0.029
13140	0.029
13200	0.028
13260	0.029
13320	0.03
13380	0.028
13440	0.028
13500	0.028
13560	0.028
13620	0.028
13680	0.028
13740	0.027
13800	0.027

13860	0.027
13920	0.027
13980	0.027
14040	0.028
14100	0.028
14160	0.027
14220	0.027
14280	0.027
14340	0.027
14400	0.027
14460	0.026
14520	0.026
14580	0.026
14640	0.026
14700	0.026
14760	0.026
14820	0.026
14880	0.026
14940	0.025
15000	0.025
15060	0.025
15120	0.024
15180	0.024
15240	0.025
15300	0.024
15360	0.024
15420	0.024
15480	0.023
15540	0.023
15600	0.023
15660	0.022
15720	0.022
15780	0.022
15840	0.022
15900	0.021
15960	0.021
16020	0.02
16080	0.02
16140	0.02
16200	0.02
16260	0.02
16320	0.02
16380	0.019
16440	0.02
16500	0.019
16560	0.02
16620	0.019
16680	0.019
16740	0.02
16800	0.019

16860	0.019
16920	0.019
16980	0.019
17040	0.02
17100	0.019
17160	0.019
17220	0.018
17280	0.018
17340	0.018
17400	0.017
17460	0.017
17520	0.017
17580	0.017
17640	0.016
17700	0.017
17760	0.017
17820	0.018
17880	0.017
17940	0.017
18000	0.016
18060	0.016
18120	0.016
18180	0.015
18240	0.015
18300	0.015
18360	0.015
18420	0.015
18480	0.014
18540	0.014
18600	0.015
18660	0.016
18720	0.014
18780	0.015
18840	0.015
18900	0.014
18960	0.014
19020	0.014
19080	0.013
19140	0.013
19200	0.012
19260	0.012
19320	0.012
19380	0.012
19440	0.011
19500	0.012
19560	0.012
19620	0.011
19680	0.011
19740	0.011
19800	0.011

19860	0.011
19920	0.011
19980	0.011
20040	0.011
20100	0.011
20160	0.011
20220	0.011
20280	0.01
20340	0.01
20400	0.01
20460	0.011
20520	0.012
20580	0.01
20640	0.01
20700	0.011
20760	0.01
20820	0.01
20880	0.009
20940	0.01
21000	0.01
21060	0.01
21120	0.01
21180	0.01
21240	0.01
21300	0.009
21360	0.009
21420	0.009
21480	0.009
21540	0.008
21600	0.008
21660	0.008
21720	0.009
21780	0.009
21840	0.008
21900	0.009
21960	0.009
22020	0.008
22080	0.009
22140	0.009
22200	0.009
22260	0.008
22320	0.007
22380	0.008
22440	0.01
22500	0.01
22560	0.008
22620	0.008
22680	0.008
22740	0.008
22800	0.008

22860	0.008
22920	0.008
22980	0.007
23040	0.007
23100	0.007
23160	0.007
23220	0.007
23280	0.008
23340	0.007
23400	0.006
23460	0.006
23520	0.006
23580	0.006
23640	0.006
23700	0.006
23760	0.006
23820	0.006
23880	0.007
23940	0.006
24000	0.006
24060	0.006
24120	0.006
24180	0.005
24240	0.005
24300	0.006
24360	0.005
24420	0.005
24480	0.005
24540	0.005
24600	0.006
24660	0.006
24720	0.005
24780	0.006
24840	0.005
24900	0.006
24960	0.005
25020	0.005
25080	0.005
25140	0.005
25200	0.004
25260	0.004
25320	0.004
25380	0.004
25440	0.004
25500	0.004
25560	0.004
25620	0.004
25680	0.004
25740	0.004
25800	0.004

25860	0.004
25920	0.004
25980	0.004
26040	0.005
26100	0.005
26160	0.004
26220	0.004
26280	0.005
26340	0.004
26400	0.004
26460	0.004
26520	0.004
26580	0.005
26640	0.004
26700	0.004
26760	0.004
26820	0.005
26880	0.005
26940	0.005
27000	0.005
27060	0.004
27120	0.004
27180	0.004
27240	0.004
27300	0.004
27360	0.005
27420	0.005
27480	0.004
27540	0.005
27600	0.005
27660	0.007
27720	0.007
27780	0.007
27840	0.006
27900	0.005
27960	0.005
28020	0.005

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_038	
Test Start Time		8:30:36 AM
Test Start Date		1/12/2018
Test Length [D:H:M]		0:04:29
Test Interval [M:S]		1:00
Mass Average [mg/m3]		-0.001
Mass Minimum [mg/m3]		-0.006
Mass Maximum [mg/m3]		0.214
Mass TWA [mg/m3]		-0.001
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		269

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0	
120		0	
180		0.002	
240		-0.001	
300		-0.004	
360		-0.004	
420		-0.004	
480		-0.004	
540		-0.004	
600		-0.005	
660		-0.004	
720		-0.005	
780		-0.005	
840		-0.005	
900		-0.005	
960		-0.005	
1020		-0.003	
1080		-0.003	
1140		-0.005	
1200		-0.005	
1260		-0.005	
1320		-0.005	
1380		-0.005	
1440		-0.005	
1500		-0.005	
1560		-0.005	
1620		-0.005	
1680		-0.005	
1740		-0.005	
1800		-0.005	

1860	-0.005
1920	-0.005
1980	-0.005
2040	-0.005
2100	-0.005
2160	-0.006
2220	-0.005
2280	-0.005
2340	-0.005
2400	-0.005
2460	-0.005
2520	-0.005
2580	-0.005
2640	-0.005
2700	-0.005
2760	-0.005
2820	-0.005
2880	-0.005
2940	-0.005
3000	-0.005
3060	-0.005
3120	-0.005
3180	-0.005
3240	-0.006
3300	-0.005
3360	-0.005
3420	-0.005
3480	-0.005
3540	-0.005
3600	-0.005
3660	-0.005
3720	-0.005
3780	-0.005
3840	-0.005
3900	-0.005
3960	-0.006
4020	-0.005
4080	-0.005
4140	-0.005
4200	-0.005
4260	-0.006
4320	-0.006
4380	-0.005
4440	-0.005
4500	-0.005
4560	-0.005
4620	-0.005
4680	-0.006
4740	-0.005
4800	-0.005

4860	-0.005
4920	-0.005
4980	-0.005
5040	-0.005
5100	-0.005
5160	-0.005
5220	-0.005
5280	-0.005
5340	-0.005
5400	0.004
5460	-0.002
5520	-0.005
5580	-0.005
5640	-0.005
5700	-0.005
5760	-0.005
5820	-0.004
5880	-0.005
5940	-0.005
6000	-0.005
6060	-0.005
6120	-0.005
6180	-0.005
6240	-0.005
6300	-0.005
6360	-0.005
6420	-0.005
6480	-0.005
6540	-0.005
6600	-0.005
6660	-0.005
6720	-0.005
6780	-0.005
6840	-0.004
6900	-0.005
6960	-0.005
7020	-0.005
7080	-0.005
7140	-0.003
7200	-0.003
7260	-0.004
7320	-0.004
7380	-0.004
7440	-0.004
7500	-0.005
7560	-0.005
7620	-0.004
7680	-0.005
7740	-0.005
7800	-0.004

7860	-0.004
7920	-0.005
7980	-0.005
8040	-0.005
8100	-0.005
8160	-0.005
8220	-0.005
8280	-0.005
8340	-0.005
8400	-0.005
8460	-0.005
8520	-0.005
8580	-0.005
8640	-0.005
8700	-0.005
8760	-0.005
8820	-0.005
8880	-0.005
8940	-0.004
9000	-0.005
9060	-0.005
9120	-0.005
9180	-0.005
9240	-0.005
9300	-0.005
9360	-0.005
9420	-0.005
9480	-0.005
9540	-0.004
9600	-0.004
9660	-0.005
9720	-0.005
9780	-0.005
9840	-0.005
9900	-0.005
9960	-0.005
10020	-0.005
10080	-0.005
10140	-0.005
10200	-0.005
10260	-0.005
10320	-0.005
10380	-0.005
10440	-0.005
10500	-0.004
10560	-0.005
10620	-0.006
10680	-0.006
10740	-0.006
10800	-0.005

10860	-0.006
10920	-0.006
10980	-0.006
11040	-0.006
11100	-0.006
11160	-0.006
11220	-0.006
11280	-0.006
11340	-0.005
11400	-0.005
11460	-0.005
11520	-0.005
11580	0.02
11640	0.119
11700	0.214
11760	0.072
11820	0.001
11880	-0.002
11940	-0.002
12000	0.036
12060	0.046
12120	0.032
12180	0.059
12240	0.013
12300	0.024
12360	0.006
12420	-0.004
12480	0.022
12540	-0.003
12600	-0.004
12660	-0.004
12720	-0.004
12780	0
12840	-0.004
12900	-0.003
12960	-0.002
13020	-0.001
13080	-0.004
13140	-0.003
13200	-0.002
13260	-0.004
13320	-0.003
13380	-0.004
13440	-0.004
13500	-0.004
13560	-0.003
13620	-0.003
13680	0
13740	-0.001
13800	0

13860	-0.001
13920	-0.001
13980	0
14040	-0.001
14100	-0.002
14160	-0.004
14220	-0.004
14280	-0.004
14340	-0.001
14400	-0.003
14460	-0.004
14520	-0.003
14580	-0.003
14640	-0.003
14700	-0.003
14760	0
14820	0
14880	0.001
14940	0.011
15000	0.004
15060	0.011
15120	0.016
15180	0.032
15240	0.007
15300	0.007
15360	0.003
15420	0.003
15480	0
15540	0
15600	0.001
15660	0
15720	0
15780	0
15840	0
15900	-0.002
15960	-0.003
16020	-0.002
16080	-0.003
16140	0.006

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_039	
Test Start Time		8:52:40 AM
Test Start Date		1/16/2018
Test Length [D:H:M]		0:05:46
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.029
Mass Minimum [mg/m3]		0.01
Mass Maximum [mg/m3]		0.432
Mass TWA [mg/m3]		0.021
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		346

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.012	
120		0.013	
180		0.017	
240		0.017	
300		0.016	
360		0.015	
420		0.014	
480		0.014	
540		0.015	
600		0.014	
660		0.018	
720		0.019	
780		0.018	
840		0.015	
900		0.014	
960		0.014	
1020		0.014	
1080		0.013	
1140		0.012	
1200		0.015	
1260		0.017	
1320		0.016	
1380		0.013	
1440		0.012	
1500		0.011	
1560		0.01	
1620		0.015	
1680		0.018	
1740		0.019	
1800		0.019	

1860	0.019
1920	0.019
1980	0.019
2040	0.02
2100	0.02
2160	0.02
2220	0.021
2280	0.021
2340	0.021
2400	0.021
2460	0.021
2520	0.021
2580	0.022
2640	0.023
2700	0.023
2760	0.023
2820	0.024
2880	0.024
2940	0.024
3000	0.025
3060	0.025
3120	0.024
3180	0.024
3240	0.025
3300	0.023
3360	0.025
3420	0.024
3480	0.025
3540	0.026
3600	0.026
3660	0.026
3720	0.026
3780	0.028
3840	0.029
3900	0.028
3960	0.026
4020	0.045
4080	0.061
4140	0.038
4200	0.047
4260	0.03
4320	0.026
4380	0.029
4440	0.432
4500	0.188
4560	0.073
4620	0.033
4680	0.03
4740	0.031
4800	0.035

4860	0.029
4920	0.031
4980	0.03
5040	0.028
5100	0.027
5160	0.029
5220	0.029
5280	0.034
5340	0.03
5400	0.031
5460	0.031
5520	0.029
5580	0.029
5640	0.028
5700	0.028
5760	0.029
5820	0.03
5880	0.03
5940	0.029
6000	0.029
6060	0.03
6120	0.029
6180	0.03
6240	0.029
6300	0.03
6360	0.03
6420	0.03
6480	0.031
6540	0.031
6600	0.03
6660	0.031
6720	0.029
6780	0.029
6840	0.03
6900	0.031
6960	0.03
7020	0.031
7080	0.031
7140	0.033
7200	0.036
7260	0.03
7320	0.031
7380	0.03
7440	0.03
7500	0.029
7560	0.03
7620	0.03
7680	0.038
7740	0.034
7800	0.031

7860	0.035
7920	0.044
7980	0.036
8040	0.034
8100	0.04
8160	0.034
8220	0.04
8280	0.036
8340	0.034
8400	0.034
8460	0.034
8520	0.035
8580	0.035
8640	0.034
8700	0.032
8760	0.031
8820	0.033
8880	0.034
8940	0.033
9000	0.032
9060	0.033
9120	0.033
9180	0.033
9240	0.033
9300	0.034
9360	0.032
9420	0.033
9480	0.031
9540	0.029
9600	0.031
9660	0.03
9720	0.03
9780	0.031
9840	0.034
9900	0.036
9960	0.035
10020	0.032
10080	0.033
10140	0.033
10200	0.032
10260	0.032
10320	0.032
10380	0.031
10440	0.03
10500	0.028
10560	0.028
10620	0.029
10680	0.029
10740	0.029
10800	0.029

10860	0.028
10920	0.029
10980	0.084
11040	0.066
11100	0.086
11160	0.093
11220	0.057
11280	0.075
11340	0.048
11400	0.062
11460	0.115
11520	0.066
11580	0.049
11640	0.044
11700	0.037
11760	0.036
11820	0.041
11880	0.156
11940	0.116
12000	0.07
12060	0.039
12120	0.035
12180	0.041
12240	0.031
12300	0.027
12360	0.027
12420	0.028
12480	0.028
12540	0.029
12600	0.031
12660	0.029
12720	0.029
12780	0.028
12840	0.028
12900	0.027
12960	0.028
13020	0.027
13080	0.027
13140	0.027
13200	0.027
13260	0.027
13320	0.027
13380	0.025
13440	0.025
13500	0.025
13560	0.026
13620	0.027
13680	0.026
13740	0.026
13800	0.026

13860	0.026
13920	0.025
13980	0.026
14040	0.026
14100	0.038
14160	0.036
14220	0.035
14280	0.038
14340	0.026
14400	0.026
14460	0.025
14520	0.026
14580	0.024
14640	0.024
14700	0.024
14760	0.022
14820	0.022
14880	0.023
14940	0.024
15000	0.024
15060	0.023
15120	0.023
15180	0.026
15240	0.024
15300	0.023
15360	0.023
15420	0.023
15480	0.023
15540	0.023
15600	0.023
15660	0.023
15720	0.022
15780	0.023
15840	0.022
15900	0.023
15960	0.023
16020	0.021
16080	0.019
16140	0.02
16200	0.017
16260	0.017
16320	0.021
16380	0.016
16440	0.016
16500	0.016
16560	0.028
16620	0.018
16680	0.016
16740	0.016
16800	0.016

16860	0.016
16920	0.016
16980	0.022
17040	0.035
17100	0.041
17160	0.021
17220	0.038
17280	0.045
17340	0.024
17400	0.023
17460	0.024
17520	0.025
17580	0.024
17640	0.022
17700	0.017
17760	0.028
17820	0.02
17880	0.017
17940	0.022
18000	0.021
18060	0.021
18120	0.028
18180	0.018
18240	0.017
18300	0.016
18360	0.016
18420	0.016
18480	0.015
18540	0.015
18600	0.014
18660	0.016
18720	0.014
18780	0.013
18840	0.013
18900	0.013
18960	0.013
19020	0.014
19080	0.014
19140	0.013
19200	0.013
19260	0.013
19320	0.012
19380	0.011
19440	0.011
19500	0.012
19560	0.012
19620	0.013
19680	0.013
19740	0.012
19800	0.013

19860	0.014
19920	0.013
19980	0.014
20040	0.013
20100	0.013
20160	0.014
20220	0.013
20280	0.013
20340	0.013
20400	0.012
20460	0.011
20520	0.011
20580	0.012
20640	0.013
20700	0.01
20760	0.012

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_040	
Test Start Time		8:37:35 AM
Test Start Date		1/17/2018
Test Length [D:H:M]		0:06:47
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.031
Mass Minimum [mg/m3]		0.021
Mass Maximum [mg/m3]		0.141
Mass TWA [mg/m3]		0.027
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		407

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.031	
120		0.033	
180		0.034	
240		0.063	
300		0.055	
360		0.04	
420		0.035	
480		0.038	
540		0.03	
600		0.03	
660		0.034	
720		0.032	
780		0.034	
840		0.041	
900		0.043	
960		0.029	
1020		0.055	
1080		0.055	
1140		0.033	
1200		0.039	
1260		0.029	
1320		0.027	
1380		0.03	
1440		0.037	
1500		0.029	
1560		0.031	
1620		0.028	
1680		0.027	
1740		0.027	
1800		0.027	

1860	0.027
1920	0.03
1980	0.028
2040	0.028
2100	0.031
2160	0.036
2220	0.036
2280	0.028
2340	0.028
2400	0.029
2460	0.031
2520	0.033
2580	0.028
2640	0.028
2700	0.029
2760	0.029
2820	0.03
2880	0.03
2940	0.031
3000	0.031
3060	0.031
3120	0.031
3180	0.032
3240	0.032
3300	0.033
3360	0.033
3420	0.032
3480	0.032
3540	0.033
3600	0.033
3660	0.035
3720	0.033
3780	0.032
3840	0.033
3900	0.034
3960	0.034
4020	0.034
4080	0.035
4140	0.037
4200	0.035
4260	0.044
4320	0.036
4380	0.049
4440	0.141
4500	0.081
4560	0.093
4620	0.092
4680	0.045
4740	0.046
4800	0.044

4860	0.042
4920	0.05
4980	0.042
5040	0.048
5100	0.044
5160	0.036
5220	0.037
5280	0.035
5340	0.036
5400	0.04
5460	0.034
5520	0.035
5580	0.034
5640	0.034
5700	0.033
5760	0.032
5820	0.033
5880	0.033
5940	0.033
6000	0.033
6060	0.031
6120	0.03
6180	0.03
6240	0.031
6300	0.032
6360	0.031
6420	0.031
6480	0.03
6540	0.03
6600	0.031
6660	0.031
6720	0.031
6780	0.03
6840	0.03
6900	0.03
6960	0.03
7020	0.03
7080	0.031
7140	0.03
7200	0.031
7260	0.033
7320	0.06
7380	0.034
7440	0.037
7500	0.038
7560	0.035
7620	0.033
7680	0.031
7740	0.03
7800	0.031

7860	0.031
7920	0.03
7980	0.03
8040	0.031
8100	0.032
8160	0.035
8220	0.03
8280	0.031
8340	0.031
8400	0.03
8460	0.03
8520	0.03
8580	0.031
8640	0.036
8700	0.033
8760	0.033
8820	0.032
8880	0.032
8940	0.032
9000	0.032
9060	0.031
9120	0.031
9180	0.03
9240	0.031
9300	0.03
9360	0.031
9420	0.032
9480	0.031
9540	0.032
9600	0.032
9660	0.031
9720	0.032
9780	0.033
9840	0.034
9900	0.032
9960	0.032
10020	0.032
10080	0.032
10140	0.031
10200	0.032
10260	0.033
10320	0.032
10380	0.032
10440	0.033
10500	0.032
10560	0.032
10620	0.033
10680	0.033
10740	0.033
10800	0.032

10860	0.036
10920	0.034
10980	0.034
11040	0.032
11100	0.031
11160	0.032
11220	0.032
11280	0.032
11340	0.032
11400	0.033
11460	0.032
11520	0.032
11580	0.032
11640	0.033
11700	0.033
11760	0.032
11820	0.033
11880	0.033
11940	0.033
12000	0.032
12060	0.033
12120	0.033
12180	0.033
12240	0.034
12300	0.032
12360	0.033
12420	0.033
12480	0.033
12540	0.035
12600	0.033
12660	0.033
12720	0.032
12780	0.033
12840	0.034
12900	0.034
12960	0.032
13020	0.032
13080	0.032
13140	0.032
13200	0.035
13260	0.037
13320	0.032
13380	0.032
13440	0.033
13500	0.031
13560	0.032
13620	0.031
13680	0.031
13740	0.03
13800	0.031

13860	0.031
13920	0.032
13980	0.03
14040	0.031
14100	0.031
14160	0.03
14220	0.031
14280	0.03
14340	0.03
14400	0.031
14460	0.03
14520	0.029
14580	0.03
14640	0.03
14700	0.03
14760	0.03
14820	0.029
14880	0.03
14940	0.03
15000	0.03
15060	0.029
15120	0.029
15180	0.029
15240	0.029
15300	0.029
15360	0.029
15420	0.028
15480	0.029
15540	0.03
15600	0.029
15660	0.029
15720	0.029
15780	0.029
15840	0.029
15900	0.029
15960	0.03
16020	0.03
16080	0.028
16140	0.028
16200	0.027
16260	0.028
16320	0.028
16380	0.028
16440	0.028
16500	0.027
16560	0.028
16620	0.028
16680	0.029
16740	0.029
16800	0.03

16860	0.028
16920	0.027
16980	0.027
17040	0.042
17100	0.028
17160	0.027
17220	0.028
17280	0.027
17340	0.027
17400	0.026
17460	0.028
17520	0.026
17580	0.026
17640	0.027
17700	0.027
17760	0.028
17820	0.027
17880	0.027
17940	0.027
18000	0.027
18060	0.027
18120	0.028
18180	0.029
18240	0.027
18300	0.027
18360	0.027
18420	0.028
18480	0.029
18540	0.028
18600	0.027
18660	0.028
18720	0.028
18780	0.028
18840	0.027
18900	0.029
18960	0.028
19020	0.028
19080	0.029
19140	0.028
19200	0.028
19260	0.029
19320	0.029
19380	0.029
19440	0.029
19500	0.028
19560	0.029
19620	0.03
19680	0.031
19740	0.031
19800	0.032

19860	0.032
19920	0.032
19980	0.031
20040	0.031
20100	0.031
20160	0.031
20220	0.032
20280	0.031
20340	0.031
20400	0.031
20460	0.032
20520	0.031
20580	0.031
20640	0.032
20700	0.03
20760	0.029
20820	0.03
20880	0.029
20940	0.028
21000	0.027
21060	0.027
21120	0.025
21180	0.025
21240	0.024
21300	0.023
21360	0.023
21420	0.023
21480	0.023
21540	0.023
21600	0.024
21660	0.023
21720	0.024
21780	0.024
21840	0.024
21900	0.024
21960	0.023
22020	0.024
22080	0.023
22140	0.023
22200	0.023
22260	0.023
22320	0.023
22380	0.023
22440	0.024
22500	0.024
22560	0.024
22620	0.024
22680	0.024
22740	0.026
22800	0.025

22860	0.025
22920	0.026
22980	0.025
23040	0.024
23100	0.023
23160	0.023
23220	0.022
23280	0.021
23340	0.021
23400	0.022
23460	0.023
23520	0.022
23580	0.022
23640	0.022
23700	0.022
23760	0.023
23820	0.023
23880	0.023
23940	0.023
24000	0.024
24060	0.023
24120	0.026
24180	0.026
24240	0.027
24300	0.022
24360	0.022
24420	0.023

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_041	
Test Start Time		10:02:23 AM
Test Start Date		1/18/2018
Test Length [D:H:M]		0:05:00
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.032
Mass Minimum [mg/m3]		0.021
Mass Maximum [mg/m3]		0.035
Mass TWA [mg/m3]		0.02
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		300

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.027	
120		0.027	
180		0.027	
240		0.122	
300		0.028	
360		0.028	
420		0.029	
480		0.028	
540		0.027	
600		0.027	
660		0.028	
720		0.028	
780		0.029	
840		0.029	
900		0.03	
960		0.029	
1020		0.029	
1080		0.029	
1140		0.03	
1200		0.031	
1260		0.032	
1320		0.031	
1380		0.031	
1440		0.031	
1500		0.031	
1560		0.031	
1620		0.031	
1680		0.031	
1740		0.03	
1800		0.03	

1860	0.03
1920	0.031
1980	0.031
2040	0.031
2100	0.031
2160	0.03
2220	0.031
2280	0.031
2340	0.03
2400	0.03
2460	0.03
2520	0.03
2580	0.031
2640	0.031
2700	0.031
2760	0.03
2820	0.03
2880	0.03
2940	0.03
3000	0.03
3060	0.03
3120	0.031
3180	0.03
3240	0.031
3300	0.031
3360	0.031
3420	0.031
3480	0.03
3540	0.03
3600	0.03
3660	0.03
3720	0.03
3780	0.03
3840	0.03
3900	0.031
3960	0.031
4020	0.03
4080	0.031
4140	0.03
4200	0.031
4260	0.031
4320	0.031
4380	0.03
4440	0.031
4500	0.031
4560	0.031
4620	0.031
4680	0.031
4740	0.03
4800	0.03

4860	0.03
4920	0.03
4980	0.03
5040	0.03
5100	0.03
5160	0.031
5220	0.032
5280	0.031
5340	0.032
5400	0.032
5460	0.032
5520	0.031
5580	0.031
5640	0.031
5700	0.031
5760	0.031
5820	0.031
5880	0.031
5940	0.031
6000	0.031
6060	0.031
6120	0.031
6180	0.031
6240	0.031
6300	0.031
6360	0.031
6420	0.032
6480	0.032
6540	0.031
6600	0.032
6660	0.032
6720	0.032
6780	0.032
6840	0.031
6900	0.032
6960	0.032
7020	0.032
7080	0.032
7140	0.032
7200	0.033
7260	0.033
7320	0.033
7380	0.033
7440	0.033
7500	0.033
7560	0.033
7620	0.033
7680	0.033
7740	0.033
7800	0.032

7860	0.033
7920	0.033
7980	0.034
8040	0.033
8100	0.033
8160	0.033
8220	0.033
8280	0.033
8340	0.033
8400	0.033
8460	0.033
8520	0.033
8580	0.034
8640	0.033
8700	0.033
8760	0.033
8820	0.034
8880	0.034
8940	0.034
9000	0.034
9060	0.034
9120	0.033
9180	0.033
9240	0.033
9300	0.033
9360	0.034
9420	0.033
9480	0.033
9540	0.033
9600	0.033
9660	0.033
9720	0.033
9780	0.034
9840	0.034
9900	0.034
9960	0.034
10020	0.033
10080	0.033
10140	0.033
10200	0.033
10260	0.033
10320	0.033
10380	0.033
10440	0.033
10500	0.033
10560	0.033
10620	0.033
10680	0.033
10740	0.033
10800	0.033

10860	0.033
10920	0.034
10980	0.033
11040	0.033
11100	0.033
11160	0.033
11220	0.033
11280	0.033
11340	0.033
11400	0.034
11460	0.034
11520	0.035
11580	0.034
11640	0.034
11700	0.033
11760	0.033
11820	0.033
11880	0.033
11940	0.033
12000	0.034
12060	0.033
12120	0.034
12180	0.033
12240	0.033
12300	0.032
12360	0.033
12420	0.032
12480	0.033
12540	0.034
12600	0.034
12660	0.033
12720	0.033
12780	0.033
12840	0.033
12900	0.033
12960	0.033
13020	0.033
13080	0.034
13140	0.034
13200	0.033
13260	0.033
13320	0.033
13380	0.033
13440	0.033
13500	0.033
13560	0.033
13620	0.032
13680	0.032
13740	0.032
13800	0.031

13860	0.032
13920	0.033
13980	0.033
14040	0.032
14100	0.031
14160	0.031
14220	0.031
14280	0.032
14340	0.032
14400	0.032
14460	0.032
14520	0.032
14580	0.032
14640	0.032
14700	0.032
14760	0.031
14820	0.032
14880	0.031
14940	0.031
15000	0.031
15060	0.031
15120	0.031
15180	0.031
15240	0.032
15300	0.032
15360	0.032
15420	0.032
15480	0.031
15540	0.032
15600	0.03
15660	0.031
15720	0.031
15780	0.031
15840	0.031
15900	0.03
15960	0.031
16020	0.032
16080	0.032
16140	0.032
16200	0.032
16260	0.031
16320	0.031
16380	0.032
16440	0.033
16500	0.032
16560	0.032
16620	0.032
16680	0.032
16740	0.032
16800	0.031

16860	0.032
16920	0.031
16980	0.031
17040	0.032
17100	0.033
17160	0.033
17220	0.032
17280	0.031
17340	0.032
17400	0.031
17460	0.031
17520	0.033
17580	0.033
17640	0.032
17700	0.029
17760	0.029
17820	0.029
17880	0.027
17940	0.023
18000	0.021

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_042	
Test Start Time		9:14:47 AM
Test Start Date		1/19/2018
Test Length [D:H:M]		0:04:51
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.035
Mass Minimum [mg/m3]		0.011
Mass Maximum [mg/m3]		0.173
Mass TWA [mg/m3]		0.021
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		291

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.011	
120		0.017	
180		0.03	
240		0.122	
300		0.031	
360		0.031	
420		0.031	
480		0.031	
540		0.032	
600		0.032	
660		0.031	
720		0.031	
780		0.032	
840		0.031	
900		0.031	
960		0.031	
1020		0.031	
1080		0.036	
1140		0.038	
1200		0.036	
1260		0.032	
1320		0.038	
1380		0.047	
1440		0.038	
1500		0.035	
1560		0.031	
1620		0.032	
1680		0.034	
1740		0.034	
1800		0.037	

1860	0.033
1920	0.034
1980	0.034
2040	0.034
2100	0.032
2160	0.032
2220	0.032
2280	0.031
2340	0.03
2400	0.031
2460	0.032
2520	0.033
2580	0.034
2640	0.035
2700	0.035
2760	0.035
2820	0.035
2880	0.034
2940	0.033
3000	0.033
3060	0.032
3120	0.031
3180	0.032
3240	0.033
3300	0.034
3360	0.035
3420	0.037
3480	0.039
3540	0.039
3600	0.041
3660	0.033
3720	0.032
3780	0.033
3840	0.035
3900	0.035
3960	0.034
4020	0.035
4080	0.035
4140	0.034
4200	0.034
4260	0.034
4320	0.036
4380	0.035
4440	0.033
4500	0.034
4560	0.033
4620	0.032
4680	0.033
4740	0.033
4800	0.036

4860	0.035
4920	0.035
4980	0.035
5040	0.034
5100	0.034
5160	0.035
5220	0.035
5280	0.034
5340	0.035
5400	0.035
5460	0.035
5520	0.034
5580	0.034
5640	0.033
5700	0.032
5760	0.032
5820	0.05
5880	0.039
5940	0.036
6000	0.034
6060	0.035
6120	0.044
6180	0.089
6240	0.173
6300	0.098
6360	0.063
6420	0.042
6480	0.036
6540	0.039
6600	0.04
6660	0.034
6720	0.034
6780	0.034
6840	0.034
6900	0.039
6960	0.031
7020	0.031
7080	0.03
7140	0.032
7200	0.051
7260	0.046
7320	0.044
7380	0.046
7440	0.062
7500	0.041
7560	0.03
7620	0.03
7680	0.029
7740	0.031
7800	0.03

7860	0.032
7920	0.03
7980	0.033
8040	0.031
8100	0.041
8160	0.033
8220	0.03
8280	0.03
8340	0.029
8400	0.029
8460	0.029
8520	0.028
8580	0.029
8640	0.031
8700	0.058
8760	0.041
8820	0.04
8880	0.035
8940	0.045
9000	0.031
9060	0.031
9120	0.031
9180	0.029
9240	0.029
9300	0.03
9360	0.03
9420	0.031
9480	0.033
9540	0.031
9600	0.029
9660	0.036
9720	0.029
9780	0.028
9840	0.029
9900	0.029
9960	0.029
10020	0.036
10080	0.031
10140	0.029
10200	0.028
10260	0.028
10320	0.029
10380	0.028
10440	0.028
10500	0.028
10560	0.028
10620	0.028
10680	0.028
10740	0.028
10800	0.028

10860	0.028
10920	0.029
10980	0.03
11040	0.03
11100	0.03
11160	0.029
11220	0.028
11280	0.028
11340	0.029
11400	0.029
11460	0.03
11520	0.031
11580	0.03
11640	0.029
11700	0.029
11760	0.029
11820	0.029
11880	0.03
11940	0.031
12000	0.03
12060	0.029
12120	0.029
12180	0.029
12240	0.029
12300	0.029
12360	0.028
12420	0.029
12480	0.029
12540	0.028
12600	0.028
12660	0.027
12720	0.028
12780	0.027
12840	0.03
12900	0.037
12960	0.054
13020	0.035
13080	0.04
13140	0.035
13200	0.029
13260	0.099
13320	0.062
13380	0.036
13440	0.036
13500	0.059
13560	0.041
13620	0.03
13680	0.032
13740	0.035
13800	0.047

13860	0.041
13920	0.035
13980	0.034
14040	0.036
14100	0.033
14160	0.03
14220	0.028
14280	0.028
14340	0.032
14400	0.028
14460	0.029
14520	0.028
14580	0.028
14640	0.028
14700	0.033
14760	0.031
14820	0.031
14880	0.039
14940	0.031
15000	0.047
15060	0.048
15120	0.034
15180	0.034
15240	0.029
15300	0.032
15360	0.038
15420	0.05
15480	0.036
15540	0.04
15600	0.056
15660	0.038
15720	0.041
15780	0.031
15840	0.033
15900	0.03
15960	0.043
16020	0.059
16080	0.041
16140	0.042
16200	0.055
16260	0.07
16320	0.049
16380	0.03
16440	0.048
16500	0.036
16560	0.031
16620	0.03
16680	0.031
16740	0.03
16800	0.03

16860	0.028
16920	0.028
16980	0.029
17040	0.027
17100	0.026
17160	0.025
17220	0.026
17280	0.027
17340	0.027
17400	0.027
17460	0.027

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_043	
Test Start Time		8:10:19 AM
Test Start Date		1/22/2018
Test Length [D:H:M]		0:06:37
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.057
Mass Minimum [mg/m3]		0.024
Mass Maximum [mg/m3]		1.14
Mass TWA [mg/m3]		0.047
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		397

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.035	
120		0.034	
180		0.035	
240		0.122	
300		0.032	
360		0.033	
420		0.036	
480		0.035	
540		0.032	
600		0.03	
660		0.031	
720		0.03	
780		0.033	
840		0.032	
900		0.031	
960		0.03	
1020		0.03	
1080		0.029	
1140		0.029	
1200		0.029	
1260		0.029	
1320		0.028	
1380		0.031	
1440		0.039	
1500		0.039	
1560		0.039	
1620		0.04	
1680		0.043	
1740		0.045	
1800		0.046	

1860	0.045
1920	0.048
1980	0.048
2040	0.048
2100	0.049
2160	0.05
2220	0.063
2280	0.062
2340	0.053
2400	0.055
2460	0.055
2520	0.059
2580	0.074
2640	0.097
2700	0.079
2760	0.075
2820	0.067
2880	0.077
2940	0.072
3000	0.073
3060	0.082
3120	0.054
3180	0.056
3240	0.057
3300	0.058
3360	0.093
3420	0.058
3480	0.093
3540	0.058
3600	0.057
3660	0.057
3720	0.064
3780	0.09
3840	0.061
3900	0.066
3960	0.06
4020	0.072
4080	0.101
4140	0.128
4200	0.092
4260	0.095
4320	0.119
4380	0.107
4440	0.067
4500	0.062
4560	0.062
4620	0.062
4680	0.066
4740	0.069
4800	0.08

4860	0.098
4920	0.094
4980	0.09
5040	0.073
5100	0.077
5160	0.068
5220	0.089
5280	0.08
5340	0.087
5400	0.089
5460	0.104
5520	0.085
5580	0.076
5640	0.074
5700	0.07
5760	0.068
5820	0.066
5880	0.065
5940	0.065
6000	0.065
6060	0.064
6120	0.063
6180	0.064
6240	0.063
6300	0.063
6360	0.064
6420	0.064
6480	0.063
6540	0.063
6600	0.063
6660	0.063
6720	0.063
6780	0.061
6840	0.06
6900	0.059
6960	0.059
7020	0.059
7080	0.058
7140	0.058
7200	0.058
7260	0.058
7320	0.058
7380	0.058
7440	0.058
7500	0.058
7560	0.058
7620	0.057
7680	0.059
7740	0.057
7800	0.057

7860	0.056
7920	0.057
7980	0.055
8040	0.055
8100	0.055
8160	0.056
8220	0.064
8280	0.072
8340	0.065
8400	0.067
8460	0.057
8520	0.056
8580	0.054
8640	0.053
8700	0.052
8760	0.051
8820	0.05
8880	0.049
8940	0.049
9000	0.048
9060	0.049
9120	0.048
9180	0.048
9240	0.048
9300	0.049
9360	0.053
9420	0.056
9480	0.056
9540	0.055
9600	0.056
9660	0.055
9720	0.055
9780	0.053
9840	0.052
9900	0.05
9960	0.049
10020	0.049
10080	0.049
10140	0.047
10200	0.046
10260	0.045
10320	0.045
10380	0.044
10440	0.044
10500	0.044
10560	0.057
10620	0.046
10680	0.046
10740	0.044
10800	0.043

10860	0.053
10920	0.052
10980	0.05
11040	0.049
11100	0.048
11160	0.048
11220	0.047
11280	0.046
11340	0.046
11400	0.045
11460	0.042
11520	0.042
11580	0.04
11640	0.039
11700	0.038
11760	0.038
11820	0.037
11880	0.038
11940	0.039
12000	0.043
12060	0.042
12120	0.041
12180	0.04
12240	0.039
12300	0.039
12360	0.039
12420	0.039
12480	0.039
12540	0.038
12600	0.036
12660	0.035
12720	0.036
12780	0.046
12840	0.06
12900	0.037
12960	0.036
13020	0.037
13080	0.037
13140	0.037
13200	0.038
13260	0.04
13320	0.044
13380	0.041
13440	0.039
13500	0.04
13560	0.04
13620	0.04
13680	0.039
13740	0.039
13800	0.041

13860	0.039
13920	0.038
13980	0.039
14040	0.04
14100	0.04
14160	0.04
14220	0.04
14280	0.04
14340	0.04
14400	0.04
14460	0.04
14520	0.04
14580	0.039
14640	0.039
14700	0.04
14760	0.039
14820	0.039
14880	0.039
14940	0.038
15000	0.038
15060	0.037
15120	0.037
15180	0.037
15240	0.037
15300	0.037
15360	0.037
15420	0.036
15480	0.036
15540	0.036
15600	0.035
15660	0.035
15720	0.034
15780	0.034
15840	0.034
15900	0.034
15960	0.034
16020	0.034
16080	0.034
16140	0.034
16200	0.034
16260	0.033
16320	0.033
16380	0.033
16440	0.034
16500	0.036
16560	0.034
16620	0.033
16680	0.033
16740	0.033
16800	0.032

16860	0.032
16920	0.031
16980	0.032
17040	0.034
17100	0.035
17160	0.034
17220	0.033
17280	0.032
17340	0.032
17400	0.038
17460	0.038
17520	0.037
17580	0.035
17640	0.035
17700	0.036
17760	0.035
17820	0.034
17880	0.109
17940	0.047
18000	0.036
18060	0.037
18120	0.037
18180	0.031
18240	1.14
18300	0.432
18360	0.223
18420	0.189
18480	0.824
18540	0.895
18600	0.308
18660	0.133
18720	0.124
18780	0.069
18840	0.075
18900	0.062
18960	0.045
19020	0.044
19080	0.042
19140	0.04
19200	0.04
19260	0.037
19320	0.036
19380	0.034
19440	0.033
19500	0.032
19560	0.032
19620	0.032
19680	0.033
19740	0.032
19800	0.034

19860	0.033
19920	0.034
19980	0.031
20040	0.03
20100	0.031
20160	0.032
20220	0.033
20280	0.032
20340	0.033
20400	0.033
20460	0.034
20520	0.034
20580	0.033
20640	0.035
20700	0.034
20760	0.033
20820	0.032
20880	0.032
20940	0.031
21000	0.031
21060	0.031
21120	0.031
21180	0.03
21240	0.036
21300	0.037
21360	0.03
21420	0.03
21480	0.032
21540	0.031
21600	0.032
21660	0.032
21720	0.034
21780	0.034
21840	0.033
21900	0.033
21960	0.033
22020	0.032
22080	0.032
22140	0.032
22200	0.032
22260	0.032
22320	0.035
22380	0.036
22440	0.033
22500	0.032
22560	0.032
22620	0.03
22680	0.028
22740	0.029
22800	0.03

22860	0.03
22920	0.032
22980	0.033
23040	0.033
23100	0.035
23160	0.035
23220	0.034
23280	0.033
23340	0.033
23400	0.034
23460	0.033
23520	0.031
23580	0.03
23640	0.03
23700	0.029
23760	0.031
23820	0.024

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_044	
Test Start Time		7:48:55 AM
Test Start Date		1/23/2018
Test Length [D:H:M]		0:07:28
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.02
Mass Minimum [mg/m3]		-0.005
Mass Maximum [mg/m3]		0.238
Mass TWA [mg/m3]		0.018
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		448

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.022	
120		0.008	
180		0.025	
240		0.122	
300		0.012	
360		0.013	
420		0.018	
480		0.018	
540		0.018	
600		0.019	
660		0.018	
720		0.018	
780		0.017	
840		0.017	
900		0.016	
960		0.015	
1020		0.014	
1080		0.013	
1140		0.012	
1200		0.017	
1260		0.016	
1320		0.014	
1380		0.013	
1440		0.013	
1500		0.014	
1560		0.016	
1620		0.015	
1680		0.015	
1740		0.017	
1800		0.017	

1860	0.017
1920	0.017
1980	0.017
2040	0.016
2100	0.016
2160	0.016
2220	0.016
2280	0.016
2340	0.016
2400	0.016
2460	0.016
2520	0.015
2580	0.015
2640	0.016
2700	0.018
2760	0.017
2820	0.016
2880	0.014
2940	0.014
3000	0.014
3060	0.02
3120	0.025
3180	0.028
3240	0.026
3300	0.026
3360	0.028
3420	0.027
3480	0.026
3540	0.026
3600	0.026
3660	0.026
3720	0.027
3780	0.027
3840	0.027
3900	0.028
3960	0.028
4020	0.028
4080	0.029
4140	0.031
4200	0.031
4260	0.031
4320	0.031
4380	0.03
4440	0.03
4500	0.03
4560	0.03
4620	0.033
4680	0.055
4740	0.042
4800	0.044

4860	0.114
4920	0.091
4980	0.114
5040	0.238
5100	0.161
5160	0.172
5220	0.215
5280	0.06
5340	0.131
5400	0.037
5460	0.173
5520	0.053
5580	0.037
5640	0.07
5700	0.041
5760	0.038
5820	0.038
5880	0.176
5940	0.092
6000	0.038
6060	0.041
6120	0.036
6180	0.036
6240	0.036
6300	0.037
6360	0.038
6420	0.038
6480	0.038
6540	0.037
6600	0.037
6660	0.037
6720	0.037
6780	0.036
6840	0.037
6900	0.036
6960	0.037
7020	0.037
7080	0.037
7140	0.038
7200	0.039
7260	0.038
7320	0.037
7380	0.038
7440	0.042
7500	0.039
7560	0.038
7620	0.038
7680	0.038
7740	0.037
7800	0.036

7860	0.036
7920	0.036
7980	0.037
8040	0.037
8100	0.037
8160	0.037
8220	0.036
8280	0.036
8340	0.035
8400	0.035
8460	0.035
8520	0.035
8580	0.035
8640	0.035
8700	0.034
8760	0.034
8820	0.042
8880	0.035
8940	0.033
9000	0.034
9060	0.034
9120	0.034
9180	0.033
9240	0.033
9300	0.033
9360	0.033
9420	0.032
9480	0.032
9540	0.032
9600	0.031
9660	0.031
9720	0.031
9780	0.032
9840	0.032
9900	0.032
9960	0.031
10020	0.032
10080	0.032
10140	0.032
10200	0.031
10260	0.031
10320	0.031
10380	0.031
10440	0.03
10500	0.03
10560	0.029
10620	0.029
10680	0.029
10740	0.03
10800	0.031

10860	0.031
10920	0.03
10980	0.03
11040	0.03
11100	0.028
11160	0.027
11220	0.026
11280	0.03
11340	0.03
11400	0.028
11460	0.027
11520	0.026
11580	0.026
11640	0.025
11700	0.026
11760	0.025
11820	0.025
11880	0.026
11940	0.026
12000	0.025
12060	0.025
12120	0.026
12180	0.027
12240	0.026
12300	0.026
12360	0.026
12420	0.025
12480	0.026
12540	0.026
12600	0.025
12660	0.024
12720	0.024
12780	0.024
12840	0.023
12900	0.023
12960	0.022
13020	0.021
13080	0.02
13140	0.02
13200	0.019
13260	0.017
13320	0.018
13380	0.017
13440	0.015
13500	0.015
13560	0.014
13620	0.014
13680	0.014
13740	0.014
13800	0.015

13860	0.014
13920	0.013
13980	0.013
14040	0.013
14100	0.013
14160	0.013
14220	0.012
14280	0.012
14340	0.012
14400	0.012
14460	0.012
14520	0.012
14580	0.013
14640	0.015
14700	0.016
14760	0.016
14820	0.016
14880	0.016
14940	0.017
15000	0.017
15060	0.017
15120	0.016
15180	0.016
15240	0.016
15300	0.015
15360	0.015
15420	0.014
15480	0.013
15540	0.013
15600	0.011
15660	0.01
15720	0.009
15780	0.01
15840	0.009
15900	0.009
15960	0.009
16020	0.009
16080	0.008
16140	0.019
16200	0.013
16260	0.012
16320	0.026
16380	0.016
16440	0.014
16500	0.013
16560	0.012
16620	0.011
16680	0.011
16740	0.01
16800	0.008

16860	0.008
16920	0.007
16980	0.007
17040	0.007
17100	0.007
17160	0.009
17220	0.008
17280	0.007
17340	0.005
17400	0.008
17460	0.01
17520	0.011
17580	0.011
17640	0.01
17700	0.011
17760	0.011
17820	0.011
17880	0.01
17940	0.01
18000	0.01
18060	0.01
18120	0.01
18180	0.011
18240	0.011
18300	0.012
18360	0.012
18420	0.011
18480	0.01
18540	0.01
18600	0.01
18660	0.01
18720	0.01
18780	0.01
18840	0.01
18900	0.01
18960	0.01
19020	0.01
19080	0.009
19140	0.008
19200	0.008
19260	0.008
19320	0.009
19380	0.008
19440	0.007
19500	0.007
19560	0.006
19620	0.005
19680	0.005
19740	0.006
19800	0.006

19860	0.006
19920	0.005
19980	0.005
20040	0.005
20100	0.004
20160	0.004
20220	0.004
20280	0.004
20340	0.004
20400	0.005
20460	0.005
20520	0.005
20580	0.007
20640	0.007
20700	0
20760	-0.002
20820	-0.004
20880	-0.004
20940	-0.005
21000	-0.005
21060	-0.005
21120	-0.005
21180	-0.005
21240	-0.005
21300	-0.005
21360	-0.004
21420	-0.004
21480	-0.004
21540	-0.004
21600	-0.004
21660	-0.004
21720	-0.004
21780	-0.004
21840	-0.004
21900	-0.003
21960	-0.003
22020	-0.003
22080	-0.003
22140	-0.003
22200	-0.003
22260	-0.003
22320	-0.003
22380	-0.003
22440	-0.003
22500	-0.002
22560	-0.002
22620	-0.002
22680	-0.002
22740	-0.002
22800	-0.002

22860	-0.002
22920	-0.002
22980	-0.002
23040	-0.002
23100	-0.002
23160	-0.002
23220	-0.001
23280	-0.002
23340	-0.001
23400	-0.001
23460	-0.001
23520	-0.001
23580	-0.001
23640	-0.001
23700	-0.001
23760	-0.001
23820	-0.001
23880	-0.001
23940	-0.001
24000	-0.001
24060	0
24120	0
24180	0
24240	-0.001
24300	-0.001
24360	0
24420	0
24480	0
24540	0
24600	0
24660	0
24720	0
24780	0
24840	0
24900	0
24960	0
25020	0.001
25080	0.001
25140	0.001
25200	0.001
25260	0.001
25320	0.001
25380	0.001
25440	0.001
25500	0.001
25560	0.001
25620	0.002
25680	0.002
25740	0.001
25800	0.001

25860	0.001
25920	0.002
25980	0.001
26040	0.001
26100	0.002
26160	0.002
26220	0.002
26280	0.002
26340	0.002
26400	0.002
26460	0.002
26520	0.002
26580	0.003
26640	0.002
26700	0.002
26760	0.002
26820	0.002
26880	0.003

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_045	
Test Start Time		7:50:53 AM
Test Start Date		1/24/2018
Test Length [D:H:M]		0:07:34
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.001
Mass Minimum [mg/m3]		-0.003
Mass Maximum [mg/m3]		0.018
Mass TWA [mg/m3]		0.001
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		454

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.007	
120		0.005	
180		0.006	
240		0.122	
300		0.004	
360		0.005	
420		0.004	
480		0.003	
540		0.004	
600		0.003	
660		0.003	
720		0.003	
780		0.002	
840		0.002	
900		0.002	
960		0.001	
1020		0.001	
1080		0	
1140		0.001	
1200		0	
1260		0.001	
1320		0.001	
1380		0.001	
1440		0.004	
1500		0.004	
1560		0.006	
1620		0.004	
1680		0.005	
1740		0.006	
1800		0.006	

1860	0.005
1920	0.005
1980	0.005
2040	0.006
2100	0.007
2160	0.008
2220	0.01
2280	0.012
2340	0.011
2400	0.011
2460	0.01
2520	0.01
2580	0.01
2640	0.01
2700	0.008
2760	0.015
2820	0.012
2880	0.012
2940	0.001
3000	-0.002
3060	-0.003
3120	-0.002
3180	-0.001
3240	-0.002
3300	-0.002
3360	-0.001
3420	-0.001
3480	-0.001
3540	-0.001
3600	-0.001
3660	-0.001
3720	-0.001
3780	0
3840	-0.001
3900	-0.001
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	0.001
4920	0.001
4980	0.001
5040	0.001
5100	0.001
5160	0.001
5220	0.002
5280	0.002
5340	0.003
5400	0.003
5460	0.002
5520	0.002
5580	0.002
5640	0.002
5700	0.002
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	0.002
6300	0.002
6360	0.002
6420	0.002
6480	0.002
6540	0.002
6600	0.002
6660	0.002
6720	0.002
6780	0.002
6840	0.002
6900	0.002
6960	0.002
7020	0.002
7080	0.002
7140	0.002
7200	0.002
7260	0.001
7320	0.001
7380	0.001
7440	0.001
7500	0.001
7560	0.001
7620	0.001
7680	0.001
7740	0.001
7800	0.001

7860	0.001
7920	0.002
7980	0.002
8040	0.002
8100	0.002
8160	0.001
8220	0.001
8280	0.001
8340	0.001
8400	0.001
8460	0.001
8520	0.001
8580	0.008
8640	0.016
8700	0.005
8760	0.002
8820	0.001
8880	0.001
8940	0.001
9000	0
9060	0.001
9120	0.001
9180	0.001
9240	0.001
9300	0
9360	0
9420	0
9480	0
9540	0
9600	0
9660	0
9720	0
9780	0
9840	0.001
9900	0
9960	0
10020	0
10080	0
10140	0
10200	0.001
10260	0
10320	0
10380	0.001
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	0.001
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	0.001
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	0.001
18540	0.001
18600	0.003
18660	0.002
18720	0.001
18780	0.003
18840	0.001
18900	0.001
18960	0.001
19020	0.001
19080	0.001
19140	0.001
19200	0.001
19260	0.001
19320	0.001
19380	0.001
19440	0.001
19500	0.001
19560	0.001
19620	0.001
19680	0.001
19740	0.001
19800	0.001

19860	0.001
19920	0.001
19980	0.001
20040	0.001
20100	0.001
20160	0.001
20220	0.001
20280	0.001
20340	0.001
20400	0.002
20460	0.001
20520	0.001
20580	0.001
20640	0.001
20700	0.001
20760	0.001
20820	0.001
20880	0.001
20940	0.001
21000	0.001
21060	0.001
21120	0.001
21180	0.001
21240	0.001
21300	0.001
21360	0.001
21420	0.001
21480	0.001
21540	0.002
21600	0.001
21660	0.001
21720	0.001
21780	0.001
21840	0.001
21900	0.001
21960	0.001
22020	0.001
22080	0.001
22140	0.001
22200	0.001
22260	0.001
22320	0.001
22380	0.001
22440	0.001
22500	0.001
22560	0.001
22620	0.003
22680	0.001
22740	0.001
22800	0.001

22860	0.001
22920	0.001
22980	0.001
23040	0.001
23100	0.001
23160	0.001
23220	0.001
23280	0.001
23340	0.001
23400	0.001
23460	0.001
23520	0.001
23580	0.001
23640	0.001
23700	0.002
23760	0.001
23820	0.001
23880	0.001
23940	0.001
24000	0.001
24060	0.001
24120	0.002
24180	0.001
24240	0.001
24300	0.001
24360	0.001
24420	0.002
24480	0.002
24540	0.001
24600	0.001
24660	0.002
24720	0.002
24780	0.002
24840	0.002
24900	0.002
24960	0.002
25020	0.002
25080	0.002
25140	0.001
25200	0.001
25260	0.001
25320	0.001
25380	0.001
25440	0.001
25500	0.001
25560	0.002
25620	0.002
25680	0.002
25740	0.002
25800	0.002

25860	0.002
25920	0.002
25980	0.002
26040	0.002
26100	0.002
26160	0.002
26220	0.002
26280	0.002
26340	0.002
26400	0.002
26460	0.002
26520	0.002
26580	0.002
26640	0.002
26700	0.002
26760	0.002
26820	0.002
26880	0.002
26940	0.002
27000	0.002
27060	0.002
27120	0.002
27180	0.002
27240	0.018

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_046	
Test Start Time		7:33:50 AM
Test Start Date		1/25/2018
Test Length [D:H:M]		0:07:30
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.036
Mass Minimum [mg/m3]		-0.003
Mass Maximum [mg/m3]		0.755
Mass TWA [mg/m3]		0.034
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		450

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.02	
120		0.018	
180		0.017	
240		0.122	
300		0.016	
360		0.014	
420		0.013	
480		0.011	
540		0.01	
600		0.009	
660		0.008	
720		0.007	
780		0.007	
840		0.007	
900		0.007	
960		0.005	
1020		0.006	
1080		0.005	
1140		0.008	
1200		0.009	
1260		0.008	
1320		0.006	
1380		0.005	
1440		0.005	
1500		0.004	
1560		0.003	
1620		0.002	
1680		0.002	
1740		0.001	
1800		0.002	

1860	0.001
1920	0.011
1980	0.002
2040	-0.001
2100	-0.003
2160	-0.003
2220	-0.003
2280	-0.002
2340	-0.001
2400	-0.003
2460	-0.003
2520	-0.001
2580	0
2640	-0.001
2700	-0.001
2760	0
2820	-0.002
2880	0.002
2940	0
3000	0.001
3060	0.006
3120	0.031
3180	0.014
3240	0.004
3300	-0.001
3360	0
3420	0.004
3480	0.275
3540	0.109
3600	0.079
3660	0.148
3720	0.018
3780	0.037
3840	0.14
3900	0.034
3960	0.009
4020	0.014
4080	0.004
4140	0.034
4200	0.038
4260	0.006
4320	0.006
4380	0.003
4440	0.02
4500	0.01
4560	0.013
4620	0.057
4680	0.435
4740	0.029
4800	0.016

4860	0.266
4920	0.109
4980	0.108
5040	0.018
5100	0.022
5160	0.034
5220	0.13
5280	0.155
5340	0.237
5400	0.077
5460	0.143
5520	0.084
5580	0.318
5640	0.05
5700	0.052
5760	0.077
5820	0.05
5880	0.306
5940	0.038
6000	0.11
6060	0.053
6120	0.186
6180	0.236
6240	0.013
6300	0.01
6360	0.085
6420	0.112
6480	0.127
6540	0.045
6600	0.004
6660	0.088
6720	0.047
6780	0.011
6840	0.008
6900	0.015
6960	0.129
7020	0.029
7080	0.032
7140	0.018
7200	0.024
7260	0.056
7320	0.116
7380	0.191
7440	0.02
7500	0
7560	0.002
7620	0
7680	0
7740	0
7800	0

7860	0.001
7920	0
7980	0
8040	0
8100	0
8160	0
8220	0
8280	0.001
8340	0.001
8400	0
8460	0
8520	0
8580	0
8640	0
8700	0
8760	0.004
8820	0.002
8880	0.001
8940	0
9000	0.002
9060	0.003
9120	0.004
9180	0.003
9240	0.004
9300	0.001
9360	0.001
9420	0.002
9480	0.002
9540	0.004
9600	0.001
9660	0.015
9720	0.013
9780	0.007
9840	0.004
9900	0.001
9960	0.001
10020	0.001
10080	0
10140	0.004
10200	0.001
10260	0.002
10320	0
10380	0.004
10440	0.004
10500	0.001
10560	0.002
10620	0
10680	0
10740	0.002
10800	0.007

10860	0.006
10920	0.001
10980	0
11040	0.001
11100	0.004
11160	0.009
11220	0.05
11280	0.029
11340	0.029
11400	0.01
11460	0.002
11520	0
11580	0.015
11640	0.072
11700	0.021
11760	0.018
11820	0.008
11880	0.09
11940	0.051
12000	0.075
12060	0.042
12120	0.029
12180	0.089
12240	0.062
12300	0.032
12360	0.027
12420	0.028
12480	0.047
12540	0.006
12600	0.022
12660	0.394
12720	0.124
12780	0.02
12840	0.007
12900	0.08
12960	0.065
13020	0.094
13080	0.071
13140	0.15
13200	0.149
13260	0.116
13320	0.129
13380	0.211
13440	0.026
13500	0.027
13560	0.068
13620	0.041
13680	0.036
13740	0.01
13800	0.056

13860	0.301
13920	0.224
13980	0.536
14040	0.287
14100	0.07
14160	0.21
14220	0.129
14280	0.002
14340	0
14400	0
14460	0.001
14520	0
14580	0
14640	0.003
14700	0.004
14760	0
14820	0
14880	0.073
14940	0.01
15000	0.003
15060	0.071
15120	0.005
15180	0.074
15240	0.45
15300	0.007
15360	0.034
15420	0.136
15480	0.028
15540	0.002
15600	0.031
15660	0.155
15720	0.003
15780	0.001
15840	0.182
15900	0.267
15960	0.186
16020	0.039
16080	0.001
16140	0.098
16200	0.002
16260	0.001
16320	0.358
16380	0.004
16440	0.001
16500	0.001
16560	0.001
16620	0.001
16680	0.001
16740	0.001
16800	0.002

16860	0.001
16920	0.001
16980	0.001
17040	0.001
17100	0.001
17160	0.001
17220	0.001
17280	0.001
17340	0.002
17400	0.002
17460	0.001
17520	0.001
17580	0.001
17640	0.001
17700	0.002
17760	0.002
17820	0.002
17880	0.001
17940	0.001
18000	0.001
18060	0.001
18120	0.002
18180	0.001
18240	0.002
18300	0.003
18360	0.002
18420	0.002
18480	0.001
18540	0.003
18600	0.001
18660	0.002
18720	0.001
18780	0.003
18840	0.002
18900	0.001
18960	0.001
19020	0.001
19080	0.001
19140	0.001
19200	0.001
19260	0.001
19320	0.003
19380	0.002
19440	0.001
19500	0.003
19560	0.002
19620	0.003
19680	0.016
19740	0.016
19800	0.045

19860	0.11
19920	0.115
19980	0.106
20040	0.031
20100	0.052
20160	0.038
20220	0.009
20280	0.001
20340	0.001
20400	0.001
20460	0.002
20520	0.002
20580	0.001
20640	0.05
20700	0.133
20760	0.057
20820	0.003
20880	0.005
20940	0.015
21000	0.033
21060	0.002
21120	0.001
21180	0.001
21240	0.001
21300	0.003
21360	0.02
21420	0.101
21480	0.216
21540	0.01
21600	0.011
21660	0.002
21720	0.093
21780	0.003
21840	0.007
21900	0.007
21960	0.009
22020	0.002
22080	0.001
22140	0.001
22200	0.024
22260	0.002
22320	0.001
22380	0.001
22440	0.001
22500	0.001
22560	0.003
22620	0.001
22680	0.001
22740	0.001
22800	0.002

22860	0.012
22920	0.001
22980	0.003
23040	0.002
23100	0.001
23160	0.001
23220	0.002
23280	0.001
23340	0.076
23400	0.755
23460	0.452
23520	0.011
23580	0.025
23640	0.084
23700	0.012
23760	0.057
23820	0.011
23880	0.001
23940	0.003
24000	0.006
24060	0.001
24120	0.001
24180	0.007
24240	0.001
24300	0.007
24360	0.002
24420	0.002
24480	0.001
24540	0.001
24600	0.009
24660	0.006
24720	0.011
24780	0.007
24840	0.002
24900	0.002
24960	0.002
25020	0.001
25080	0.003
25140	0.001
25200	0.002
25260	0.001
25320	0.001
25380	0.001
25440	0.001
25500	0.001
25560	0.001
25620	0.002
25680	0.006
25740	0.031
25800	0.009

25860	0.057
25920	0.017
25980	0.004
26040	0.024
26100	0.111
26160	0.095
26220	0.002
26280	0.001
26340	0.001
26400	0.001
26460	0.001
26520	0.003
26580	0.001
26640	0.001
26700	0.001
26760	0.002
26820	0.001
26880	0.005
26940	0.008
27000	0.017

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_047	
Test Start Time		8:18:02 AM
Test Start Date		1/26/2018
Test Length [D:H:M]		0:05:14
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.015
Mass Minimum [mg/m3]		0.012
Mass Maximum [mg/m3]		0.121
Mass TWA [mg/m3]		0.01
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		314

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.121	
120		0.082	
180		0.016	
240		0.122	
300		0.012	
360		0.013	
420		0.014	
480		0.015	
540		0.014	
600		0.013	
660		0.014	
720		0.014	
780		0.014	
840		0.014	
900		0.014	
960		0.014	
1020		0.014	
1080		0.015	
1140		0.014	
1200		0.014	
1260		0.014	
1320		0.014	
1380		0.014	
1440		0.014	
1500		0.015	
1560		0.014	
1620		0.015	
1680		0.015	
1740		0.015	
1800		0.015	

1860	0.015
1920	0.015
1980	0.014
2040	0.014
2100	0.015
2160	0.015
2220	0.015
2280	0.015
2340	0.015
2400	0.015
2460	0.015
2520	0.015
2580	0.018
2640	0.015
2700	0.019
2760	0.019
2820	0.015
2880	0.015
2940	0.015
3000	0.016
3060	0.016
3120	0.016
3180	0.016
3240	0.017
3300	0.016
3360	0.017
3420	0.017
3480	0.017
3540	0.016
3600	0.016
3660	0.018
3720	0.017
3780	0.016
3840	0.016
3900	0.016
3960	0.017
4020	0.017
4080	0.017
4140	0.017
4200	0.017
4260	0.017
4320	0.017
4380	0.017
4440	0.017
4500	0.017
4560	0.017
4620	0.017
4680	0.016
4740	0.016
4800	0.016

4860	0.017
4920	0.016
4980	0.016
5040	0.016
5100	0.016
5160	0.015
5220	0.015
5280	0.015
5340	0.015
5400	0.016
5460	0.019
5520	0.016
5580	0.015
5640	0.015
5700	0.016
5760	0.015
5820	0.016
5880	0.017
5940	0.016
6000	0.019
6060	0.018
6120	0.016
6180	0.016
6240	0.016
6300	0.015
6360	0.015
6420	0.015
6480	0.016
6540	0.015
6600	0.014
6660	0.014
6720	0.014
6780	0.014
6840	0.014
6900	0.014
6960	0.015
7020	0.014
7080	0.016
7140	0.015
7200	0.014
7260	0.013
7320	0.014
7380	0.014
7440	0.014
7500	0.014
7560	0.014
7620	0.014
7680	0.013
7740	0.013
7800	0.014

7860	0.014
7920	0.013
7980	0.014
8040	0.015
8100	0.015
8160	0.015
8220	0.014
8280	0.013
8340	0.013
8400	0.014
8460	0.014
8520	0.015
8580	0.014
8640	0.014
8700	0.012
8760	0.013
8820	0.013
8880	0.013
8940	0.014
9000	0.013
9060	0.013
9120	0.013
9180	0.013
9240	0.013
9300	0.014
9360	0.017
9420	0.015
9480	0.016
9540	0.016
9600	0.014
9660	0.015
9720	0.02
9780	0.016
9840	0.014
9900	0.013
9960	0.014
10020	0.015
10080	0.013
10140	0.013
10200	0.013
10260	0.014
10320	0.013
10380	0.013
10440	0.013
10500	0.016
10560	0.014
10620	0.014
10680	0.013
10740	0.014
10800	0.014

10860	0.017
10920	0.015
10980	0.014
11040	0.014
11100	0.013
11160	0.014
11220	0.014
11280	0.018
11340	0.014
11400	0.014
11460	0.018
11520	0.014
11580	0.014
11640	0.015
11700	0.014
11760	0.013
11820	0.013
11880	0.013
11940	0.013
12000	0.014
12060	0.013
12120	0.014
12180	0.013
12240	0.013
12300	0.013
12360	0.012
12420	0.013
12480	0.013
12540	0.013
12600	0.014
12660	0.014
12720	0.014
12780	0.013
12840	0.014
12900	0.014
12960	0.014
13020	0.015
13080	0.014
13140	0.013
13200	0.013
13260	0.014
13320	0.013
13380	0.013
13440	0.014
13500	0.015
13560	0.014
13620	0.014
13680	0.014
13740	0.014
13800	0.013

13860	0.014
13920	0.015
13980	0.016
14040	0.015
14100	0.014
14160	0.014
14220	0.015
14280	0.014
14340	0.014
14400	0.015
14460	0.014
14520	0.015
14580	0.014
14640	0.015
14700	0.015
14760	0.014
14820	0.015
14880	0.014
14940	0.015
15000	0.015
15060	0.014
15120	0.014
15180	0.015
15240	0.015
15300	0.015
15360	0.014
15420	0.015
15480	0.014
15540	0.014
15600	0.013
15660	0.013
15720	0.014
15780	0.014
15840	0.02
15900	0.021
15960	0.015
16020	0.015
16080	0.014
16140	0.017
16200	0.016
16260	0.015
16320	0.015
16380	0.019
16440	0.017
16500	0.017
16560	0.017
16620	0.018
16680	0.017
16740	0.016
16800	0.015

16860	0.016
16920	0.015
16980	0.015
17040	0.015
17100	0.015
17160	0.014
17220	0.015
17280	0.014
17340	0.014
17400	0.014
17460	0.014
17520	0.015
17580	0.014
17640	0.015
17700	0.015
17760	0.015
17820	0.015
17880	0.015
17940	0.015
18000	0.015
18060	0.014
18120	0.015
18180	0.016
18240	0.015
18300	0.015
18360	0.015
18420	0.015
18480	0.015
18540	0.014
18600	0.016
18660	0.015
18720	0.015
18780	0.016
18840	0.035

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_048	
Test Start Time		7:42:22 AM
Test Start Date		1/29/2018
Test Length [D:H:M]		0:07:08
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.015
Mass Minimum [mg/m3]		0
Mass Maximum [mg/m3]		0.137
Mass TWA [mg/m3]		0.013
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		428

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.137	
120		0.13	
180		0.127	
240		0.122	
300		0.12	
360		0.117	
420		0.098	
480		0.094	
540		0.088	
600		0.085	
660		0.082	
720		0.08	
780		0.08	
840		0.075	
900		0.071	
960		0.071	
1020		0.066	
1080		0.063	
1140		0.069	
1200		0.07	
1260		0.075	
1320		0.075	
1380		0.069	
1440		0.065	
1500		0.064	
1560		0.061	
1620		0.062	
1680		0.055	
1740		0.053	
1800		0.052	

1860	0.05
1920	0.049
1980	0.05
2040	0.008
2100	0.002
2160	0.001
2220	0
2280	0.001
2340	0
2400	0
2460	0.001
2520	0.001
2580	0.001
2640	0.001
2700	0.001
2760	0.002
2820	0.001
2880	0.002
2940	0.002
3000	0.002
3060	0.01
3120	0.005
3180	0.004
3240	0.002
3300	0.002
3360	0.002
3420	0.004
3480	0.004
3540	0.003
3600	0.002
3660	0.002
3720	0.003
3780	0.006
3840	0.041
3900	0.003
3960	0.003
4020	0.003
4080	0.003
4140	0.011
4200	0.003
4260	0.003
4320	0.004
4380	0.042
4440	0.015
4500	0.004
4560	0.003
4620	0.004
4680	0.005
4740	0.004
4800	0.004

4860	0.004
4920	0.004
4980	0.004
5040	0.005
5100	0.006
5160	0.005
5220	0.005
5280	0.005
5340	0.004
5400	0.004
5460	0.004
5520	0.005
5580	0.005
5640	0.004
5700	0.004
5760	0.004
5820	0.004
5880	0.004
5940	0.004
6000	0.004
6060	0.006
6120	0.005
6180	0.005
6240	0.005
6300	0.005
6360	0.005
6420	0.005
6480	0.005
6540	0.005
6600	0.005
6660	0.005
6720	0.006
6780	0.006
6840	0.006
6900	0.006
6960	0.006
7020	0.006
7080	0.007
7140	0.007
7200	0.007
7260	0.008
7320	0.007
7380	0.007
7440	0.008
7500	0.008
7560	0.009
7620	0.009
7680	0.008
7740	0.008
7800	0.007

7860	0.007
7920	0.007
7980	0.008
8040	0.008
8100	0.009
8160	0.007
8220	0.007
8280	0.007
8340	0.008
8400	0.007
8460	0.007
8520	0.007
8580	0.007
8640	0.007
8700	0.007
8760	0.007
8820	0.008
8880	0.007
8940	0.007
9000	0.007
9060	0.007
9120	0.007
9180	0.007
9240	0.007
9300	0.007
9360	0.007
9420	0.007
9480	0.007
9540	0.007
9600	0.007
9660	0.007
9720	0.008
9780	0.007
9840	0.007
9900	0.007
9960	0.007
10020	0.007
10080	0.008
10140	0.042
10200	0.135
10260	0.018
10320	0.007
10380	0.007
10440	0.005
10500	0.006
10560	0.006
10620	0.006
10680	0.006
10740	0.006
10800	0.006

10860	0.006
10920	0.006
10980	0.006
11040	0.006
11100	0.006
11160	0.006
11220	0.007
11280	0.006
11340	0.007
11400	0.007
11460	0.008
11520	0.007
11580	0.006
11640	0.005
11700	0.005
11760	0.006
11820	0.006
11880	0.006
11940	0.006
12000	0.011
12060	0.048
12120	0.096
12180	0.007
12240	0.006
12300	0.006
12360	0.006
12420	0.006
12480	0.006
12540	0.006
12600	0.006
12660	0.006
12720	0.006
12780	0.009
12840	0.008
12900	0.012
12960	0.009
13020	0.007
13080	0.007
13140	0.006
13200	0.006
13260	0.007
13320	0.007
13380	0.008
13440	0.008
13500	0.007
13560	0.007
13620	0.007
13680	0.007
13740	0.007
13800	0.006

13860	0.008
13920	0.007
13980	0.007
14040	0.007
14100	0.007
14160	0.006
14220	0.006
14280	0.007
14340	0.007
14400	0.007
14460	0.007
14520	0.007
14580	0.008
14640	0.023
14700	0.026
14760	0.028
14820	0.023
14880	0.008
14940	0.008
15000	0.008
15060	0.008
15120	0.009
15180	0.008
15240	0.008
15300	0.008
15360	0.008
15420	0.008
15480	0.009
15540	0.012
15600	0.009
15660	0.012
15720	0.009
15780	0.008
15840	0.009
15900	0.009
15960	0.009
16020	0.009
16080	0.009
16140	0.009
16200	0.009
16260	0.009
16320	0.009
16380	0.009
16440	0.009
16500	0.009
16560	0.01
16620	0.01
16680	0.01
16740	0.01
16800	0.01

16860	0.009
16920	0.01
16980	0.01
17040	0.01
17100	0.01
17160	0.01
17220	0.01
17280	0.01
17340	0.011
17400	0.01
17460	0.01
17520	0.011
17580	0.011
17640	0.011
17700	0.011
17760	0.01
17820	0.01
17880	0.01
17940	0.011
18000	0.012
18060	0.012
18120	0.011
18180	0.011
18240	0.011
18300	0.011
18360	0.012
18420	0.015
18480	0.016
18540	0.016
18600	0.014
18660	0.01
18720	0.01
18780	0.009
18840	0.009
18900	0.01
18960	0.01
19020	0.01
19080	0.009
19140	0.009
19200	0.009
19260	0.01
19320	0.01
19380	0.01
19440	0.01
19500	0.009
19560	0.01
19620	0.009
19680	0.009
19740	0.009
19800	0.009

19860	0.009
19920	0.009
19980	0.009
20040	0.01
20100	0.011
20160	0.011
20220	0.024
20280	0.015
20340	0.044
20400	0.011
20460	0.01
20520	0.01
20580	0.01
20640	0.011
20700	0.01
20760	0.01
20820	0.01
20880	0.01
20940	0.01
21000	0.01
21060	0.01
21120	0.012
21180	0.01
21240	0.01
21300	0.01
21360	0.01
21420	0.01
21480	0.01
21540	0.009
21600	0.009
21660	0.01
21720	0.009
21780	0.009
21840	0.01
21900	0.01
21960	0.01
22020	0.01
22080	0.01
22140	0.01
22200	0.01
22260	0.01
22320	0.01
22380	0.009
22440	0.01
22500	0.01
22560	0.011
22620	0.011
22680	0.011
22740	0.01
22800	0.01

22860	0.01
22920	0.01
22980	0.011
23040	0.01
23100	0.01
23160	0.01
23220	0.011
23280	0.011
23340	0.011
23400	0.012
23460	0.012
23520	0.011
23580	0.01
23640	0.011
23700	0.01
23760	0.011
23820	0.011
23880	0.011
23940	0.011
24000	0.011
24060	0.012
24120	0.011
24180	0.012
24240	0.012
24300	0.011
24360	0.012
24420	0.012
24480	0.012
24540	0.012
24600	0.012
24660	0.012
24720	0.013
24780	0.014
24840	0.012
24900	0.013
24960	0.012
25020	0.013
25080	0.013
25140	0.012
25200	0.013
25260	0.013
25320	0.012
25380	0.013
25440	0.014
25500	0.014
25560	0.015
25620	0.013
25680	0.019

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_049	
Test Start Time		8:24:59 AM
Test Start Date		1/30/2018
Test Length [D:H:M]		0:06:18
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.006
Mass Minimum [mg/m3]		-0.002
Mass Maximum [mg/m3]		0.148
Mass TWA [mg/m3]		0.005
Photometric User Cal		0.9
Flow User Cal		0
Errors	Flow Error	
Number of Samples		378

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.032	
120		0.005	
180		0.001	
240		0.122	
300		0.046	
360		0.025	
420		0.027	
480		0.01	
540		0.006	
600		0.008	
660		0.006	
720		0.043	
780		0.008	
840		0.014	
900		0.009	
960		0.003	
1020		0.058	
1080		0.019	
1140		0.016	
1200		0.007	
1260		0.006	
1320		0.012	
1380		0.005	
1440		0.007	
1500		0.02	
1560		0.007	
1620		0.004	
1680		0.005	
1740		0.023	
1800		0.011	

1860	0.004
1920	0.012
1980	0.004
2040	0.013
2100	0.007
2160	0.013
2220	0.006
2280	0.006
2340	0.012
2400	0.007
2460	0.009
2520	0.004
2580	0.003
2640	0.034
2700	0.019
2760	0.014
2820	0.004
2880	0.005
2940	0.011
3000	0.007
3060	0.006
3120	0.071
3180	0.148
3240	0.088
3300	0.011
3360	0.006
3420	0.005
3480	0.008
3540	0.004
3600	0.004
3660	0.004
3720	0.004
3780	0.004
3840	0.003
3900	0.004
3960	0.004
4020	0.003
4080	0.005
4140	0.004
4200	0.004
4260	0.004
4320	0.004
4380	0.004
4440	0.003
4500	0.003
4560	0.004
4620	0.005
4680	0.006
4740	0.006
4800	0.005

4860	0.003
4920	0.004
4980	0.004
5040	0.005
5100	0.004
5160	0.004
5220	0.003
5280	0.003
5340	0.004
5400	0.004
5460	0.005
5520	0.004
5580	0.003
5640	0.003
5700	0.003
5760	0.003
5820	0.003
5880	0.003
5940	0.005
6000	0.003
6060	0.003
6120	0.003
6180	0.003
6240	0.002
6300	0.003
6360	0.003
6420	0.005
6480	0.003
6540	0.004
6600	0.003
6660	0.003
6720	0.002
6780	0.004
6840	0.004
6900	0.002
6960	0.003
7020	0.003
7080	0.012
7140	0.006
7200	0.006
7260	0.005
7320	0.005
7380	0.006
7440	0.011
7500	0.003
7560	0.008
7620	0.004
7680	0.005
7740	0.006
7800	0.004

7860	0.004
7920	0.004
7980	0.009
8040	0.006
8100	0.007
8160	0.004
8220	0.006
8280	0.003
8340	0.003
8400	0.009
8460	0.005
8520	0.006
8580	0.005
8640	0.004
8700	0.004
8760	0.005
8820	0.003
8880	0.003
8940	0.006
9000	0.003
9060	0.003
9120	0.004
9180	0.005
9240	0.005
9300	0.005
9360	0.005
9420	0.004
9480	0.01
9540	0.005
9600	0.005
9660	0.005
9720	0.004
9780	0.003
9840	0.005
9900	0.005
9960	0.003
10020	0.003
10080	0.003
10140	0.003
10200	0.004
10260	0.005
10320	0.003
10380	0.003
10440	0.003
10500	0.003
10560	0.003
10620	0.005
10680	0.003
10740	0.002
10800	0.003

10860	0.002
10920	0.002
10980	0.002
11040	0.002
11100	0.005
11160	0.004
11220	0.002
11280	0.004
11340	0.003
11400	0.002
11460	0.002
11520	0.002
11580	0.003
11640	0.001
11700	0.003
11760	0.002
11820	0.002
11880	0.002
11940	0.002
12000	0.035
12060	0.02
12120	0.028
12180	0.017
12240	0.003
12300	0.014
12360	0.012
12420	0.005
12480	0.003
12540	0.005
12600	0.01
12660	0.003
12720	0.005
12780	0.007
12840	0.007
12900	0.002
12960	0.013
13020	0.026
13080	0.004
13140	0.002
13200	0.002
13260	0.002
13320	0.002
13380	0.003
13440	0.004
13500	0.003
13560	0.003
13620	0.002
13680	0.002
13740	0.002
13800	0.002

13860	0.003
13920	0.002
13980	0.002
14040	0.002
14100	0.003
14160	0.002
14220	0.001
14280	0.001
14340	0.001
14400	0.002
14460	0.001
14520	0.001
14580	0.001
14640	0.001
14700	0.001
14760	0.002
14820	0.001
14880	0.001
14940	0.001
15000	0.002
15060	0.001
15120	0.002
15180	0.001
15240	0.002
15300	0.001
15360	0.001
15420	0.001
15480	0.001
15540	0.001
15600	0.001
15660	0.002
15720	0.002
15780	0.002
15840	0.002
15900	0.002
15960	0.002
16020	0.001
16080	0.002
16140	0.001
16200	0.001
16260	0.002
16320	0.002
16380	0.004
16440	0.004
16500	0.003
16560	0.003
16620	0.005
16680	0.002
16740	0.004
16800	0.005

16860	0.002
16920	0.001
16980	0.007
17040	0.006
17100	0.001
17160	0.001
17220	0.002
17280	0.005
17340	0.005
17400	0.002
17460	0.001
17520	0.005
17580	0.003
17640	0.002
17700	0.003
17760	0.003
17820	0.003
17880	0.003
17940	0.003
18000	0.003
18060	0.007
18120	0.009
18180	0.002
18240	0.006
18300	0.007
18360	0.009
18420	0.004
18480	0.003
18540	0.004
18600	0.006
18660	0.004
18720	0.004
18780	0.006
18840	0.003
18900	0.005
18960	0.006
19020	0.004
19080	0.002
19140	0.003
19200	0.004
19260	0.002
19320	0.013
19380	0.005
19440	0.004
19500	0.005
19560	0.009
19620	0.008
19680	0.005
19740	0.005
19800	0.007

19860	0.005	
19920	0.005	
19980	0.005	
20040	0.007	
20100	0.007	
20160	0.007	
20220	0.007	
20280	0.007	
20340	0.006	
20400	0.006	
20460	0.006	
20520	0.005	
20580	0.006	
20640	0.007	
20700	0.006	
20760	0.006	
20820	0.006	
20880	0.008	
20940	0.006	
21000	0.006	
21060	0.006	
21120	0.006	
21180	0.005	
21240	0.006	
21300	0.006	
21360	0.006	
21420	0.007	
21480	0.006	
21540	0.007	
21600	0.007	
21660	0.006	
21720	0.007	
21780	0.005	
21840	0.007	
21900	0.006	
21960	0.007	
22020	0.002	Flow Error
22080	0	Flow Error
22140	-0.001	Flow Error
22200	-0.001	Flow Error
22260	-0.002	Flow Error
22320	-0.002	Flow Error
22380	-0.001	Flow Error
22440	-0.002	Flow Error
22500	-0.002	Flow Error
22560	-0.002	Flow Error
22620	-0.002	Flow Error
22680	-0.002	Flow Error

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_050	
Test Start Time		8:05:38 AM
Test Start Date		1/31/2018
Test Length [D:H:M]		0:06:04
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.009
Mass Minimum [mg/m3]		0.001
Mass Maximum [mg/m3]		0.037
Mass TWA [mg/m3]		0.007
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		364

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.011	
120		0.005	
180		0.007	
240		0.122	
300		0.009	
360		0.008	
420		0.009	
480		0.01	
540		0.005	
600		0.01	
660		0.003	
720		0.008	
780		0.003	
840		0.005	
900		0.005	
960		0.002	
1020		0.003	
1080		0.002	
1140		0.006	
1200		0.003	
1260		0.003	
1320		0.011	
1380		0.016	
1440		0.03	
1500		0.009	
1560		0.021	
1620		0.021	
1680		0.037	
1740		0.01	
1800		0.019	

1860	0.01
1920	0.001
1980	0.001
2040	0.022
2100	0.007
2160	0.001
2220	0.002
2280	0.006
2340	0.01
2400	0.014
2460	0.003
2520	0.002
2580	0.002
2640	0.003
2700	0.002
2760	0.002
2820	0.002
2880	0.002
2940	0.002
3000	0.002
3060	0.003
3120	0.002
3180	0.004
3240	0.002
3300	0.002
3360	0.003
3420	0.003
3480	0.003
3540	0.003
3600	0.006
3660	0.011
3720	0.018
3780	0.016
3840	0.007
3900	0.016
3960	0.019
4020	0.019
4080	0.016
4140	0.013
4200	0.006
4260	0.002
4320	0.002
4380	0.003
4440	0.003
4500	0.003
4560	0.004
4620	0.003
4680	0.004
4740	0.004
4800	0.004

4860	0.004
4920	0.004
4980	0.005
5040	0.005
5100	0.008
5160	0.006
5220	0.005
5280	0.005
5340	0.005
5400	0.005
5460	0.005
5520	0.005
5580	0.006
5640	0.007
5700	0.008
5760	0.008
5820	0.006
5880	0.007
5940	0.006
6000	0.008
6060	0.007
6120	0.006
6180	0.007
6240	0.006
6300	0.006
6360	0.008
6420	0.012
6480	0.01
6540	0.009
6600	0.008
6660	0.006
6720	0.015
6780	0.008
6840	0.008
6900	0.007
6960	0.007
7020	0.009
7080	0.01
7140	0.007
7200	0.007
7260	0.007
7320	0.008
7380	0.01
7440	0.007
7500	0.01
7560	0.008
7620	0.008
7680	0.009
7740	0.01
7800	0.01

7860	0.009
7920	0.012
7980	0.008
8040	0.009
8100	0.009
8160	0.01
8220	0.012
8280	0.008
8340	0.008
8400	0.008
8460	0.008
8520	0.008
8580	0.008
8640	0.01
8700	0.009
8760	0.009
8820	0.01
8880	0.009
8940	0.009
9000	0.009
9060	0.008
9120	0.01
9180	0.008
9240	0.008
9300	0.009
9360	0.01
9420	0.01
9480	0.009
9540	0.008
9600	0.008
9660	0.008
9720	0.007
9780	0.008
9840	0.009
9900	0.008
9960	0.008
10020	0.008
10080	0.008
10140	0.008
10200	0.008
10260	0.01
10320	0.008
10380	0.007
10440	0.008
10500	0.008
10560	0.008
10620	0.007
10680	0.01
10740	0.008
10800	0.008

10860	0.009
10920	0.008
10980	0.008
11040	0.009
11100	0.007
11160	0.007
11220	0.007
11280	0.007
11340	0.007
11400	0.007
11460	0.007
11520	0.009
11580	0.008
11640	0.007
11700	0.008
11760	0.01
11820	0.008
11880	0.008
11940	0.007
12000	0.008
12060	0.008
12120	0.007
12180	0.007
12240	0.008
12300	0.008
12360	0.007
12420	0.008
12480	0.007
12540	0.007
12600	0.007
12660	0.008
12720	0.007
12780	0.007
12840	0.007
12900	0.007
12960	0.007
13020	0.007
13080	0.008
13140	0.008
13200	0.007
13260	0.008
13320	0.008
13380	0.007
13440	0.008
13500	0.008
13560	0.008
13620	0.008
13680	0.008
13740	0.008
13800	0.009

13860	0.009
13920	0.009
13980	0.009
14040	0.008
14100	0.008
14160	0.008
14220	0.009
14280	0.009
14340	0.008
14400	0.009
14460	0.009
14520	0.008
14580	0.008
14640	0.008
14700	0.008
14760	0.008
14820	0.008
14880	0.008
14940	0.009
15000	0.009
15060	0.009
15120	0.009
15180	0.008
15240	0.009
15300	0.012
15360	0.009
15420	0.012
15480	0.01
15540	0.011
15600	0.01
15660	0.01
15720	0.009
15780	0.01
15840	0.011
15900	0.01
15960	0.01
16020	0.01
16080	0.01
16140	0.01
16200	0.01
16260	0.01
16320	0.01
16380	0.01
16440	0.01
16500	0.01
16560	0.01
16620	0.01
16680	0.01
16740	0.011
16800	0.01

16860	0.011
16920	0.011
16980	0.011
17040	0.011
17100	0.011
17160	0.011
17220	0.011
17280	0.01
17340	0.01
17400	0.01
17460	0.011
17520	0.014
17580	0.013
17640	0.011
17700	0.015
17760	0.011
17820	0.011
17880	0.011
17940	0.011
18000	0.011
18060	0.01
18120	0.011
18180	0.01
18240	0.01
18300	0.01
18360	0.01
18420	0.01
18480	0.01
18540	0.011
18600	0.01
18660	0.01
18720	0.01
18780	0.01
18840	0.01
18900	0.01
18960	0.011
19020	0.011
19080	0.011
19140	0.011
19200	0.011
19260	0.011
19320	0.011
19380	0.012
19440	0.012
19500	0.012
19560	0.012
19620	0.012
19680	0.012
19740	0.012
19800	0.011

19860	0.011
19920	0.011
19980	0.011
20040	0.011
20100	0.011
20160	0.011
20220	0.011
20280	0.011
20340	0.011
20400	0.011
20460	0.011
20520	0.011
20580	0.011
20640	0.011
20700	0.011
20760	0.011
20820	0.011
20880	0.012
20940	0.011
21000	0.011
21060	0.011
21120	0.011
21180	0.012
21240	0.011
21300	0.011
21360	0.012
21420	0.012
21480	0.012
21540	0.011
21600	0.011
21660	0.012
21720	0.012
21780	0.013
21840	0.013

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_051	
Test Start Time		7:52:21 AM
Test Start Date		2/1/2018
Test Length [D:H:M]		0:06:38
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.023
Mass Minimum [mg/m3]		0.005
Mass Maximum [mg/m3]		0.816
Mass TWA [mg/m3]		0.019
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		398

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.005	
120		0.013	
180		0.008	
240		0.122	
300		0.008	
360		0.008	
420		0.067	
480		0.085	
540		0.044	
600		0.056	
660		0.071	
720		0.064	
780		0.08	
840		0.081	
900		0.058	
960		0.034	
1020		0.063	
1080		0.056	
1140		0.028	
1200		0.04	
1260		0.025	
1320		0.019	
1380		0.015	
1440		0.011	
1500		0.011	
1560		0.012	
1620		0.009	
1680		0.009	
1740		0.009	
1800		0.009	

1860	0.01
1920	0.01
1980	0.009
2040	0.009
2100	0.009
2160	0.01
2220	0.01
2280	0.01
2340	0.01
2400	0.01
2460	0.01
2520	0.01
2580	0.011
2640	0.011
2700	0.01
2760	0.01
2820	0.011
2880	0.011
2940	0.011
3000	0.011
3060	0.011
3120	0.01
3180	0.011
3240	0.012
3300	0.013
3360	0.011
3420	0.011
3480	0.014
3540	0.012
3600	0.011
3660	0.012
3720	0.012
3780	0.013
3840	0.011
3900	0.011
3960	0.011
4020	0.011
4080	0.011
4140	0.011
4200	0.011
4260	0.011
4320	0.014
4380	0.013
4440	0.012
4500	0.012
4560	0.012
4620	0.013
4680	0.013
4740	0.014
4800	0.012

4860	0.012
4920	0.013
4980	0.013
5040	0.013
5100	0.012
5160	0.012
5220	0.012
5280	0.015
5340	0.014
5400	0.013
5460	0.021
5520	0.049
5580	0.078
5640	0.028
5700	0.028
5760	0.029
5820	0.076
5880	0.069
5940	0.114
6000	0.154
6060	0.153
6120	0.107
6180	0.145
6240	0.104
6300	0.085
6360	0.109
6420	0.043
6480	0.057
6540	0.065
6600	0.064
6660	0.067
6720	0.064
6780	0.12
6840	0.115
6900	0.816
6960	0.178
7020	0.091
7080	0.047
7140	0.085
7200	0.057
7260	0.043
7320	0.03
7380	0.019
7440	0.018
7500	0.022
7560	0.022
7620	0.022
7680	0.02
7740	0.016
7800	0.018

7860	0.018
7920	0.017
7980	0.016
8040	0.016
8100	0.016
8160	0.016
8220	0.016
8280	0.016
8340	0.016
8400	0.016
8460	0.016
8520	0.017
8580	0.017
8640	0.016
8700	0.016
8760	0.016
8820	0.017
8880	0.017
8940	0.017
9000	0.017
9060	0.018
9120	0.017
9180	0.018
9240	0.018
9300	0.019
9360	0.018
9420	0.019
9480	0.019
9540	0.019
9600	0.019
9660	0.019
9720	0.02
9780	0.019
9840	0.02
9900	0.02
9960	0.019
10020	0.019
10080	0.019
10140	0.019
10200	0.02
10260	0.02
10320	0.02
10380	0.02
10440	0.02
10500	0.02
10560	0.02
10620	0.02
10680	0.02
10740	0.02
10800	0.021

10860	0.021
10920	0.021
10980	0.021
11040	0.021
11100	0.021
11160	0.021
11220	0.022
11280	0.022
11340	0.023
11400	0.024
11460	0.024
11520	0.024
11580	0.023
11640	0.023
11700	0.024
11760	0.023
11820	0.023
11880	0.023
11940	0.023
12000	0.023
12060	0.023
12120	0.023
12180	0.023
12240	0.029
12300	0.086
12360	0.044
12420	0.035
12480	0.027
12540	0.023
12600	0.023
12660	0.023
12720	0.022
12780	0.02
12840	0.02
12900	0.02
12960	0.02
13020	0.019
13080	0.02
13140	0.02
13200	0.019
13260	0.019
13320	0.02
13380	0.02
13440	0.019
13500	0.019
13560	0.019
13620	0.019
13680	0.019
13740	0.019
13800	0.018

13860	0.018
13920	0.018
13980	0.018
14040	0.018
14100	0.018
14160	0.017
14220	0.017
14280	0.017
14340	0.017
14400	0.017
14460	0.017
14520	0.016
14580	0.016
14640	0.016
14700	0.016
14760	0.016
14820	0.015
14880	0.015
14940	0.015
15000	0.015
15060	0.015
15120	0.015
15180	0.015
15240	0.015
15300	0.015
15360	0.014
15420	0.014
15480	0.014
15540	0.013
15600	0.013
15660	0.013
15720	0.013
15780	0.013
15840	0.013
15900	0.013
15960	0.012
16020	0.012
16080	0.013
16140	0.013
16200	0.013
16260	0.012
16320	0.012
16380	0.012
16440	0.012
16500	0.012
16560	0.012
16620	0.012
16680	0.013
16740	0.011
16800	0.012

16860	0.012
16920	0.011
16980	0.011
17040	0.011
17100	0.011
17160	0.011
17220	0.011
17280	0.011
17340	0.012
17400	0.012
17460	0.011
17520	0.012
17580	0.012
17640	0.011
17700	0.011
17760	0.011
17820	0.011
17880	0.011
17940	0.011
18000	0.011
18060	0.011
18120	0.01
18180	0.011
18240	0.01
18300	0.01
18360	0.01
18420	0.01
18480	0.01
18540	0.01
18600	0.01
18660	0.01
18720	0.01
18780	0.01
18840	0.01
18900	0.009
18960	0.01
19020	0.01
19080	0.009
19140	0.01
19200	0.009
19260	0.009
19320	0.009
19380	0.009
19440	0.009
19500	0.009
19560	0.009
19620	0.009
19680	0.009
19740	0.009
19800	0.009

19860	0.009
19920	0.009
19980	0.009
20040	0.008
20100	0.009
20160	0.009
20220	0.009
20280	0.009
20340	0.009
20400	0.009
20460	0.008
20520	0.008
20580	0.008
20640	0.008
20700	0.008
20760	0.008
20820	0.008
20880	0.008
20940	0.008
21000	0.008
21060	0.008
21120	0.008
21180	0.008
21240	0.007
21300	0.008
21360	0.007
21420	0.007
21480	0.007
21540	0.007
21600	0.007
21660	0.007
21720	0.007
21780	0.007
21840	0.007
21900	0.007
21960	0.007
22020	0.006
22080	0.006
22140	0.007
22200	0.007
22260	0.007
22320	0.007
22380	0.006
22440	0.006
22500	0.006
22560	0.006
22620	0.006
22680	0.006
22740	0.006
22800	0.006

22860	0.006
22920	0.006
22980	0.006
23040	0.006
23100	0.006
23160	0.006
23220	0.006
23280	0.006
23340	0.008
23400	0.008
23460	0.008
23520	0.008
23580	0.007
23640	0.007
23700	0.007
23760	0.007
23820	0.006
23880	0.006

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_052	
Test Start Time		8:39:42 AM
Test Start Date		2/2/2018
Test Length [D:H:M]		0:06:17
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.012
Mass Minimum [mg/m3]		-0.002
Mass Maximum [mg/m3]		0.471
Mass TWA [mg/m3]		0.009
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		377

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.005	
120		0.005	
180		-0.001	
240		0.122	
300		-0.001	
360		-0.001	
420		-0.002	
480		-0.002	
540		-0.002	
600		0.09	
660		0.026	
720		0.06	
780		0.14	
840		0.003	
900		0.029	
960		0.073	
1020		0.015	
1080		0.03	
1140		0.024	
1200		0.11	
1260		0.18	
1320		0.042	
1380		0.055	
1440		0.009	
1500		0.014	
1560		0.009	
1620		0.027	
1680		0.018	
1740		0.132	
1800		0.471	

1860	0.05
1920	0.06
1980	0.036
2040	0.117
2100	0.005
2160	0.068
2220	0.113
2280	0.167
2340	0.028
2400	0.008
2460	0.009
2520	0.007
2580	0.018
2640	0.009
2700	0.023
2760	0.089
2820	0.009
2880	0.002
2940	0.002
3000	0.008
3060	0.051
3120	0.055
3180	0.03
3240	0.016
3300	0.031
3360	0.09
3420	0.09
3480	0.002
3540	0.001
3600	0
3660	0.001
3720	0.002
3780	0.001
3840	0.001
3900	0.001
3960	0.001
4020	0.002
4080	0.002
4140	0.002
4200	0.003
4260	0.003
4320	0.002
4380	0.002
4440	0.001
4500	0.002
4560	0.002
4620	0.003
4680	0.002
4740	0.003
4800	0.004

4860	0.008
4920	0.009
4980	0.006
5040	0.007
5100	0.005
5160	0.005
5220	0.004
5280	0.007
5340	0.004
5400	0.005
5460	0.003
5520	0.002
5580	0.005
5640	0.005
5700	0.005
5760	0.018
5820	0.02
5880	0.071
5940	0.018
6000	0.015
6060	0.008
6120	0.011
6180	0.01
6240	0.005
6300	0.01
6360	0.024
6420	0.059
6480	0.012
6540	0.008
6600	0.009
6660	0.006
6720	0.009
6780	0.016
6840	0.013
6900	0.01
6960	0.025
7020	0.042
7080	0.006
7140	0.007
7200	0.004
7260	0.049
7320	0.017
7380	0.008
7440	0.022
7500	0.025
7560	0.012
7620	0.005
7680	0.004
7740	0.006
7800	0.004

7860	0.006
7920	0.006
7980	0.006
8040	0.007
8100	0.003
8160	0.018
8220	0.008
8280	0.006
8340	0.007
8400	0.006
8460	0.006
8520	0.007
8580	0.007
8640	0.004
8700	0.008
8760	0.004
8820	0.005
8880	0.004
8940	0.004
9000	0.004
9060	0.002
9120	0.003
9180	0.005
9240	0.003
9300	0.003
9360	0.002
9420	0.002
9480	0.002
9540	0.003
9600	0.004
9660	0.003
9720	0.002
9780	0.002
9840	0.004
9900	0.003
9960	0.003
10020	0.003
10080	0.004
10140	0.004
10200	0.003
10260	0.002
10320	0.002
10380	0.002
10440	0.002
10500	0.003
10560	0.002
10620	0.002
10680	0.003
10740	0.002
10800	0.003

10860	0.002
10920	0.002
10980	0.002
11040	0.003
11100	0.002
11160	0.003
11220	0.004
11280	0.004
11340	0.005
11400	0.003
11460	0.003
11520	0.002
11580	0.003
11640	0.003
11700	0.003
11760	0.002
11820	0.004
11880	0.004
11940	0.005
12000	0.004
12060	0.003
12120	0.002
12180	0.003
12240	0.002
12300	0.004
12360	0.003
12420	0.002
12480	0.004
12540	0.004
12600	0.004
12660	0.008
12720	0.004
12780	0.006
12840	0.004
12900	0.005
12960	0.004
13020	0.003
13080	0.003
13140	0.004
13200	0.003
13260	0.004
13320	0.003
13380	0.003
13440	0.003
13500	0.003
13560	0.004
13620	0.004
13680	0.003
13740	0.003
13800	0.003

13860	0.003
13920	0.003
13980	0.003
14040	0.003
14100	0.003
14160	0.004
14220	0.004
14280	0.003
14340	0.003
14400	0.004
14460	0.003
14520	0.004
14580	0.003
14640	0.003
14700	0.003
14760	0.004
14820	0.004
14880	0.003
14940	0.004
15000	0.007
15060	0.004
15120	0.002
15180	0.003
15240	0.002
15300	0.002
15360	0.003
15420	0.003
15480	0.003
15540	0.003
15600	0.004
15660	0.003
15720	0.003
15780	0.003
15840	0.003
15900	0.002
15960	0.003
16020	0.016
16080	0.003
16140	0.003
16200	0.003
16260	0.004
16320	0.003
16380	0.003
16440	0.003
16500	0.003
16560	0.005
16620	0.004
16680	0.004
16740	0.005
16800	0.004

16860	0.003
16920	0.003
16980	0.003
17040	0.003
17100	0.003
17160	0.004
17220	0.004
17280	0.003
17340	0.004
17400	0.003
17460	0.003
17520	0.004
17580	0.004
17640	0.004
17700	0.004
17760	0.003
17820	0.004
17880	0.004
17940	0.004
18000	0.004
18060	0.003
18120	0.004
18180	0.004
18240	0.005
18300	0.003
18360	0.004
18420	0.004
18480	0.003
18540	0.004
18600	0.003
18660	0.004
18720	0.004
18780	0.004
18840	0.003
18900	0.004
18960	0.003
19020	0.004
19080	0.004
19140	0.004
19200	0.003
19260	0.004
19320	0.006
19380	0.005
19440	0.006
19500	0.005
19560	0.004
19620	0.005
19680	0.005
19740	0.004
19800	0.004

19860	0.004
19920	0.004
19980	0.004
20040	0.004
20100	0.005
20160	0.005
20220	0.005
20280	0.004
20340	0.004
20400	0.005
20460	0.006
20520	0.005
20580	0.005
20640	0.005
20700	0.003
20760	0.003
20820	0.005
20880	0.005
20940	0.004
21000	0.004
21060	0.004
21120	0.004
21180	0.003
21240	0.004
21300	0.004
21360	0.003
21420	0.003
21480	0.004
21540	0.003
21600	0.004
21660	0.004
21720	0.004
21780	0.004
21840	0.003
21900	0.004
21960	0.003
22020	0.003
22080	0.004
22140	0.003
22200	0.003
22260	0.005
22320	0.004
22380	0.004
22440	0.003
22500	0.038
22560	0.006
22620	0.016

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_053	
Test Start Time		8:36:14 AM
Test Start Date		2/5/2018
Test Length [D:H:M]		0:06:53
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0
Mass Minimum [mg/m3]		-0.003
Mass Maximum [mg/m3]		0.045
Mass TWA [mg/m3]		0
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		379

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.012	
120		0.013	
180		0.011	
240		0.122	
300		0.009	
360		0.007	
420		-0.001	
480		-0.002	
540		-0.002	
600		-0.003	
660		-0.002	
720		-0.002	
780		-0.001	
840		-0.002	
900		-0.003	
960		-0.002	
1020		-0.002	
1080		-0.002	
1140		-0.002	
1200		-0.002	
1260		-0.002	
1320		-0.002	
1380		-0.002	
1440		-0.002	
1500		-0.002	
1560		-0.002	
1620		-0.002	
1680		-0.002	
1740		-0.002	
1800		-0.002	

1860	-0.002
1920	-0.002
1980	-0.002
2040	-0.001
2100	-0.001
2160	-0.001
2220	-0.001
2280	-0.001
2340	-0.001
2400	-0.001
2460	-0.001
2520	-0.001
2580	-0.001
2640	-0.001
2700	-0.001
2760	-0.001
2820	0
2880	-0.001
2940	-0.001
3000	-0.001
3060	-0.001
3120	-0.001
3180	0
3240	-0.001
3300	-0.001
3360	-0.001
3420	0
3480	-0.001
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	0.001
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	0.001
12000	0.001
12060	0.001
12120	0.001
12180	0.001
12240	0.001
12300	0.001
12360	0.001
12420	0.001
12480	0.001
12540	0.001
12600	0.001
12660	0.001
12720	0.001
12780	0.001
12840	0.001
12900	0
12960	0
13020	0
13080	0.001
13140	0.002
13200	0.002
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	0.001
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	0.001
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	0.001
17340	0.001
17400	0
17460	0
17520	0
17580	0
17640	0.001
17700	0.001
17760	0.001
17820	0.001
17880	0.001
17940	0
18000	0.001
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	0.001
19080	0.001
19140	0
19200	0.001
19260	0.001
19320	0
19380	0
19440	0
19500	0
19560	0
19620	0.001
19680	0
19740	0.001
19800	0

19860	0.001
19920	0.001
19980	0.001
20040	0.001
20100	0.001
20160	0.001
20220	0.001
20280	0.001
20340	0.001
20400	0.001
20460	0.001
20520	0.001
20580	0.001
20640	0.001
20700	0.001
20760	0.001
20820	0.001
20880	0.001
20940	0.001
21000	0.001
21060	0.001
21120	0.001
21180	0.001
21240	0.001
21300	0.001
21360	0.001
21420	0.001
21480	0.001
21540	0.001
21600	0
21660	0
21720	0
21780	0.001
21840	0.001
21900	0.001
21960	0.001
22020	0.001
22080	0.001
22140	0.001
22200	0.001
22260	0.001
22320	0.001
22380	0.001
22440	0.001
22500	0.001
24653	0
24660	0.045
24720	0.028
24780	0.027

Instrument Name	DustTrak II	
Model Number		8530
Serial Number		8530151509
Firmware Version		3.3
Calibration Date		4/8/2015
Test Name	MANUAL_054	
Test Start Time		8:13:19 AM
Test Start Date		2/6/2018
Test Length [D:H:M]		0:05:53
Test Interval [M:S]		1:00
Mass Average [mg/m3]		0.011
Mass Minimum [mg/m3]		0.003
Mass Maximum [mg/m3]		0.068
Mass TWA [mg/m3]		0.008
Photometric User Cal		0.9
Flow User Cal		0
Errors		
Number of Samples		353

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60		0.014	
120		0.008	
180		0.024	
240		0.122	
300		0.011	
360		0.005	
420		0.007	
480		0.011	
540		0.004	
600		0.007	
660		0.006	
720		0.008	
780		0.004	
840		0.004	
900		0.004	
960		0.003	
1020		0.003	
1080		0.003	
1140		0.003	
1200		0.003	
1260		0.003	
1320		0.003	
1380		0.003	
1440		0.004	
1500		0.005	
1560		0.004	
1620		0.003	
1680		0.004	
1740		0.003	
1800		0.003	

1860	0.004
1920	0.003
1980	0.004
2040	0.004
2100	0.004
2160	0.004
2220	0.004
2280	0.004
2340	0.003
2400	0.004
2460	0.004
2520	0.004
2580	0.005
2640	0.004
2700	0.004
2760	0.004
2820	0.004
2880	0.004
2940	0.004
3000	0.004
3060	0.005
3120	0.005
3180	0.004
3240	0.005
3300	0.005
3360	0.004
3420	0.004
3480	0.005
3540	0.004
3600	0.004
3660	0.005
3720	0.005
3780	0.005
3840	0.005
3900	0.006
3960	0.007
4020	0.005
4080	0.005
4140	0.005
4200	0.005
4260	0.005
4320	0.005
4380	0.005
4440	0.005
4500	0.005
4560	0.005
4620	0.005
4680	0.005
4740	0.007
4800	0.068

4860	0.031
4920	0.014
4980	0.012
5040	0.008
5100	0.011
5160	0.015
5220	0.01
5280	0.006
5340	0.006
5400	0.007
5460	0.006
5520	0.006
5580	0.006
5640	0.006
5700	0.006
5760	0.006
5820	0.007
5880	0.015
5940	0.017
6000	0.011
6060	0.013
6120	0.025
6180	0.012
6240	0.008
6300	0.007
6360	0.007
6420	0.008
6480	0.008
6540	0.009
6600	0.013
6660	0.014
6720	0.008
6780	0.008
6840	0.008
6900	0.008
6960	0.009
7020	0.01
7080	0.008
7140	0.008
7200	0.053
7260	0.05
7320	0.015
7380	0.011
7440	0.009
7500	0.009
7560	0.009
7620	0.009
7680	0.009
7740	0.009
7800	0.009

7860	0.009
7920	0.009
7980	0.009
8040	0.009
8100	0.01
8160	0.01
8220	0.011
8280	0.01
8340	0.01
8400	0.01
8460	0.01
8520	0.012
8580	0.011
8640	0.01
8700	0.013
8760	0.013
8820	0.011
8880	0.011
8940	0.011
9000	0.011
9060	0.011
9120	0.01
9180	0.01
9240	0.01
9300	0.01
9360	0.01
9420	0.01
9480	0.01
9540	0.011
9600	0.011
9660	0.011
9720	0.011
9780	0.011
9840	0.011
9900	0.012
9960	0.012
10020	0.011
10080	0.012
10140	0.011
10200	0.012
10260	0.012
10320	0.012
10380	0.012
10440	0.013
10500	0.013
10560	0.013
10620	0.012
10680	0.012
10740	0.013
10800	0.013

10860	0.012
10920	0.012
10980	0.012
11040	0.011
11100	0.011
11160	0.011
11220	0.011
11280	0.012
11340	0.012
11400	0.012
11460	0.012
11520	0.012
11580	0.014
11640	0.015
11700	0.017
11760	0.019
11820	0.022
11880	0.026
11940	0.028
12000	0.03
12060	0.029
12120	0.024
12180	0.021
12240	0.019
12300	0.017
12360	0.015
12420	0.015
12480	0.018
12540	0.02
12600	0.017
12660	0.019
12720	0.019
12780	0.022
12840	0.022
12900	0.021
12960	0.02
13020	0.016
13080	0.015
13140	0.016
13200	0.016
13260	0.021
13320	0.016
13380	0.016
13440	0.016
13500	0.018
13560	0.018
13620	0.018
13680	0.019
13740	0.019
13800	0.019

13860	0.017
13920	0.016
13980	0.017
14040	0.016
14100	0.017
14160	0.016
14220	0.016
14280	0.015
14340	0.016
14400	0.018
14460	0.018
14520	0.018
14580	0.017
14640	0.016
14700	0.016
14760	0.016
14820	0.016
14880	0.02
14940	0.02
15000	0.019
15060	0.018
15120	0.018
15180	0.019
15240	0.019
15300	0.019
15360	0.018
15420	0.017
15480	0.017
15540	0.017
15600	0.016
15660	0.016
15720	0.015
15780	0.016
15840	0.016
15900	0.016
15960	0.017
16020	0.017
16080	0.017
16140	0.019
16200	0.019
16260	0.018
16320	0.017
16380	0.016
16440	0.015
16500	0.014
16560	0.013
16620	0.013
16680	0.012
16740	0.012
16800	0.012

16860	0.011
16920	0.011
16980	0.011
17040	0.01
17100	0.01
17160	0.01
17220	0.01
17280	0.01
17340	0.011
17400	0.01
17460	0.01
17520	0.009
17580	0.009
17640	0.01
17700	0.01
17760	0.01
17820	0.01
17880	0.009
17940	0.009
18000	0.008
18060	0.009
18120	0.01
18180	0.008
18240	0.008
18300	0.007
18360	0.007
18420	0.007
18480	0.007
18540	0.007
18600	0.007
18660	0.007
18720	0.007
18780	0.007
18840	0.006
18900	0.007
18960	0.007
19020	0.007
19080	0.007
19140	0.006
19200	0.006
19260	0.006
19320	0.005
19380	0.007
19440	0.007
19500	0.006
19560	0.005
19620	0.005
19680	0.005
19740	0.004
19800	0.004

19860	0.004
19920	0.005
19980	0.004
20040	0.004
20100	0.005
20160	0.005
20220	0.005
20280	0.005
20340	0.005
20400	0.005
20460	0.005
20520	0.004
20580	0.004
20640	0.004
20700	0.004
20760	0.004
20820	0.004
20880	0.003
20940	0.003
21000	0.003
21060	0.003
21120	0.005
21180	0.012

Pine_15575_20180226 - Copy

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Contact Pine Environmental

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-901454
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin Contact Pine Environmental
End Contact Pine Environmental
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time Contact Pine Environmental

Datalog

0 record.

Pine_16464_20180226

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17/10/04 08:42

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 10/4/2017 08:42:11
End 10/4/2017 08:42:22
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 10/4/2017 08:41

Datalog

0 record.

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17/10/06 07:41

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

Pine_16464_20180226

Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Pause in Menu Mode

Site ID 00000056
User ID 00000001

Begin 10/6/2017 07:41:42
End 10/6/2017 07:45:46
Sample Period(s) 60
Number of Records 4

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 1500000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 10/4/2017 08:41
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	10/6/2017 07:42:42	0	30	418	
002	10/6/2017 07:43:42	0	0	0	
003	10/6/2017 07:44:42	0	43	800	
004	10/6/2017 07:45:42	0	614	898	
Peak	0	614	898		
Min	0	0	0		
Average	0	172	529		

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17/10/06 07:46

Summary

Unit Name MiniRAE 3000(PGM-7320)

Pine_16464_20180226

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Pause in Menu Mode

Site ID 00000056

User ID 00000001

Begin 10/6/2017 07:46:37
End 10/6/2017 09:59:28
Sample Period(s) 60
Number of Records 132

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 10/4/2017 08:41
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)
001	10/6/2017 07:47:37	0	0	0
002	10/6/2017 07:48:37	0	0	0
003	10/6/2017 07:49:37	0	0	0
004	10/6/2017 07:50:37	0	0	0
005	10/6/2017 07:51:37	0	0	0
006	10/6/2017 07:52:37	0	0	0
007	10/6/2017 07:53:37	0	0	0
008	10/6/2017 07:54:37	0	0	0
009	10/6/2017 07:55:37	0	0	0
010	10/6/2017 07:56:37	0	0	0
011	10/6/2017 07:57:37	0	9	139
012	10/6/2017 07:58:37	0	0	0

			Pine_16464_20180226		
013	10/6/2017 07:59:37	0	0	0	
014	10/6/2017 08:00:37	0	0	0	
015	10/6/2017 08:01:37	0	0	0	
016	10/6/2017 08:02:37	0	231	1036	
017	10/6/2017 08:03:37	0	786	9648	
018	10/6/2017 08:04:37	0	1362	8489	
019	10/6/2017 08:05:37	0	102	363	
020	10/6/2017 08:06:37	0	0	0	
021	10/6/2017 08:07:37	0	0	0	
022	10/6/2017 08:08:37	0	0	0	
023	10/6/2017 08:09:37	0	919	3237	
024	10/6/2017 08:10:37	853	1610	2819	
025	10/6/2017 08:11:37	0	411	1075	
026	10/6/2017 08:12:37	0	0	0	
027	10/6/2017 08:13:37	0	0	0	
028	10/6/2017 08:14:37	0	33	174	
029	10/6/2017 08:15:37	0	9	82	
030	10/6/2017 08:16:37	0	0	0	
031	10/6/2017 08:17:37	0	0	0	
032	10/6/2017 08:18:37	0	2585	17689	
033	10/6/2017 08:19:37	0	1099	4672	
034	10/6/2017 08:20:37	0	128	434	
035	10/6/2017 08:21:37	0	0	0	
036	10/6/2017 08:22:37	0	9	119	
037	10/6/2017 08:23:37	0	8	72	
038	10/6/2017 08:24:37	0	0	9	
039	10/6/2017 08:25:37	0	313	823	
040	10/6/2017 08:26:37	0	126	336	
041	10/6/2017 08:27:37	0	1	22	
042	10/6/2017 08:28:37	0	0	0	
043	10/6/2017 08:29:37	0	0	0	
044	10/6/2017 08:30:37	0	0	0	
045	10/6/2017 08:31:37	0	1463	4915	
046	10/6/2017 08:32:37	0	0	0	
047	10/6/2017 08:33:37	0	0	0	
048	10/6/2017 08:34:37	0	0	0	
049	10/6/2017 08:35:37	0	22	314	
050	10/6/2017 08:36:37	0	13	205	
051	10/6/2017 08:37:37	0	4	70	
052	10/6/2017 08:38:37	0	0	0	
053	10/6/2017 08:39:37	0	8661	30962	
054	10/6/2017 08:40:37	921	3729	15878	
055	10/6/2017 08:41:37	173	446	896	
056	10/6/2017 08:42:37	0	26	161	
057	10/6/2017 08:43:37	0	0	0	
058	10/6/2017 08:44:37	0	0	0	
059	10/6/2017 08:45:37	0	0	0	
060	10/6/2017 08:46:37	0	0	0	

			Pine_16464_20180226		
061	10/6/2017 08:47:37	0	0	0	
062	10/6/2017 08:48:37	0	0	0	
063	10/6/2017 08:49:37	0	0	0	
064	10/6/2017 08:50:37	0	0	0	
065	10/6/2017 08:51:37	0	0	0	
066	10/6/2017 08:52:37	0	0	0	
067	10/6/2017 08:53:37	0	0	0	
068	10/6/2017 08:54:37	0	0	0	
069	10/6/2017 08:55:37	0	0	0	
070	10/6/2017 08:56:37	0	1405	6671	
071	10/6/2017 08:57:37	0	22	290	
072	10/6/2017 08:58:37	0	0	0	
073	10/6/2017 08:59:37	0	0	0	
074	10/6/2017 09:00:37	0	0	0	
075	10/6/2017 09:01:37	0	0	0	
076	10/6/2017 09:02:37	0	0	0	
077	10/6/2017 09:03:37	0	0	0	
078	10/6/2017 09:04:37	0	0	0	
079	10/6/2017 09:05:37	0	0	0	
080	10/6/2017 09:06:37	0	0	0	
081	10/6/2017 09:07:37	0	4431	23190	
082	10/6/2017 09:08:37	0	0	0	
083	10/6/2017 09:09:37	0	0	0	
084	10/6/2017 09:10:37	0	0	0	
085	10/6/2017 09:11:37	0	9980	31247	
086	10/6/2017 09:12:37	0	72	408	
087	10/6/2017 09:13:37	0	0	0	
088	10/6/2017 09:14:37	0	0	0	
089	10/6/2017 09:15:37	0	0	0	
090	10/6/2017 09:16:37	0	633	4825	
091	10/6/2017 09:17:37	0	142	2400	
092	10/6/2017 09:18:37	0	0	0	
093	10/6/2017 09:19:37	0	0	0	
094	10/6/2017 09:20:37	0	85	835	
095	10/6/2017 09:21:37	0	592	5199	
096	10/6/2017 09:22:37	0	12	334	
097	10/6/2017 09:23:37	0	0	0	
098	10/6/2017 09:24:37	0	0	0	
099	10/6/2017 09:25:37	0	3	55	
100	10/6/2017 09:26:37	0	0	0	
101	10/6/2017 09:27:37	0	0	0	
102	10/6/2017 09:28:37	0	0	0	
103	10/6/2017 09:29:37	0	0	0	
104	10/6/2017 09:30:37	0	0	0	
105	10/6/2017 09:31:37	0	35	338	
106	10/6/2017 09:32:37	0	0	0	
107	10/6/2017 09:33:37	0	0	0	
108	10/6/2017 09:34:37	0	0	0	

			Pine_16464_20180226		
109	10/6/2017 09:35:37	0	0	0	
110	10/6/2017 09:36:37	0	0	0	
111	10/6/2017 09:37:37	0	0	0	
112	10/6/2017 09:38:37	0	673	4528	
113	10/6/2017 09:39:37	0	0	0	
114	10/6/2017 09:40:37	0	0	0	
115	10/6/2017 09:41:37	0	0	0	
116	10/6/2017 09:42:37	0	783	21080	
117	10/6/2017 09:43:37	1187	12542	33270	
118	10/6/2017 09:44:37	0	338	1124	
119	10/6/2017 09:45:37	0	0	0	
120	10/6/2017 09:46:37	0	0	0	
121	10/6/2017 09:47:37	0	0	20	
122	10/6/2017 09:48:37	0	1	20	
123	10/6/2017 09:49:37	0	0	0	
124	10/6/2017 09:50:37	0	0	0	
125	10/6/2017 09:51:37	0	0	0	
126	10/6/2017 09:52:37	0	0	0	
127	10/6/2017 09:53:37	0	12584	42578	
128	10/6/2017 09:54:37	357	1250	3177	
129	10/6/2017 09:55:37	331	432687	1582242	
130	10/6/2017 09:56:37	36197	61174	102559	
131	10/6/2017 09:57:37	18726	25577	35690	
132	10/6/2017 09:58:37	11766	14773	18600	
Peak		36197	432687	1582242	
Min		0	0	0	
Average		534	4575	15343	

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17/10/06 09:59

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

Begin 10/6/2017 09:59:33

Pine_16464_20180226

End 10/6/2017 09:59:42
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 10/4/2017 08:41

Datalog

0 record.

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17/10/06 10:00

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 10/6/2017 10:00:02
End 10/6/2017 13:18:49
Sample Period(s) 60
Number of Records 198

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000

Pine_16464_20180226

High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 10/4/2017 08:41
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	10/6/2017 10:01:02	0	2	33	
002	10/6/2017 10:02:02	0	0	0	
003	10/6/2017 10:03:02	0	0	0	
004	10/6/2017 10:04:02	0	0	0	
005	10/6/2017 10:05:02	0	0	0	
006	10/6/2017 10:06:02	0	0	0	
007	10/6/2017 10:07:02	0	0	0	
008	10/6/2017 10:08:02	0	0	0	
009	10/6/2017 10:09:02	0	0	0	
010	10/6/2017 10:10:02	0	0	0	
011	10/6/2017 10:11:02	0	0	0	
012	10/6/2017 10:12:02	0	0	0	
013	10/6/2017 10:13:02	0	162	1367	
014	10/6/2017 10:14:02	0	0	0	
015	10/6/2017 10:15:02	0	0	0	
016	10/6/2017 10:16:02	0	0	0	
017	10/6/2017 10:17:02	0	0	0	
018	10/6/2017 10:18:02	0	0	0	
019	10/6/2017 10:19:02	0	0	0	
020	10/6/2017 10:20:02	0	0	0	
021	10/6/2017 10:21:02	0	0	0	
022	10/6/2017 10:22:02	0	0	0	
023	10/6/2017 10:23:02	0	0	0	
024	10/6/2017 10:24:02	0	6	85	
025	10/6/2017 10:25:02	0	0	0	
026	10/6/2017 10:26:02	0	0	0	
027	10/6/2017 10:27:02	0	0	0	
028	10/6/2017 10:28:02	0	242	1866	
029	10/6/2017 10:29:02	0	0	0	
030	10/6/2017 10:30:02	0	4236	25886	
031	10/6/2017 10:31:02	0	76	634	
032	10/6/2017 10:32:02	0	0	0	
033	10/6/2017 10:33:02	0	90	963	
034	10/6/2017 10:34:02	0	0	0	

			Pine_16464_20180226		
035	10/6/2017	10:35:02	0	0	0
036	10/6/2017	10:36:02	0	0	0
037	10/6/2017	10:37:02	0	0	0
038	10/6/2017	10:38:02	0	0	0
039	10/6/2017	10:39:02	0	0	0
040	10/6/2017	10:40:02	0	0	0
041	10/6/2017	10:41:02	0	7281	23501
042	10/6/2017	10:42:02	0	22	460
043	10/6/2017	10:43:02	0	0	0
044	10/6/2017	10:44:02	0	0	0
045	10/6/2017	10:45:02	0	0	0
046	10/6/2017	10:46:02	0	0	0
047	10/6/2017	10:47:02	0	0	0
048	10/6/2017	10:48:02	0	0	0
049	10/6/2017	10:49:02	0	0	0
050	10/6/2017	10:50:02	0	0	0
051	10/6/2017	10:51:02	0	0	0
052	10/6/2017	10:52:02	0	0	0
053	10/6/2017	10:53:02	0	0	0
054	10/6/2017	10:54:02	0	0	0
055	10/6/2017	10:55:02	0	140	1178
056	10/6/2017	10:56:02	0	0	0
057	10/6/2017	10:57:02	0	0	0
058	10/6/2017	10:58:02	0	3599	28689
059	10/6/2017	10:59:02	0	53	445
060	10/6/2017	11:00:02	0	154	1628
061	10/6/2017	11:01:02	0	0	0
062	10/6/2017	11:02:02	0	8	129
063	10/6/2017	11:03:02	0	0	0
064	10/6/2017	11:04:02	0	0	0
065	10/6/2017	11:05:02	0	1405	5583
066	10/6/2017	11:06:02	0	2	60
067	10/6/2017	11:07:02	0	3	82
068	10/6/2017	11:08:02	0	0	0
069	10/6/2017	11:09:02	0	0	0
070	10/6/2017	11:10:02	0	0	0
071	10/6/2017	11:11:02	0	2693	10206
072	10/6/2017	11:12:02	0	0	0
073	10/6/2017	11:13:02	0	0	0
074	10/6/2017	11:14:02	0	0	0
075	10/6/2017	11:15:02	0	0	0
076	10/6/2017	11:16:02	0	0	0
077	10/6/2017	11:17:02	0	0	0
078	10/6/2017	11:18:02	0	16	247
079	10/6/2017	11:19:02	0	0	0
080	10/6/2017	11:20:02	0	14	880
081	10/6/2017	11:21:02	0	548	4005
082	10/6/2017	11:22:02	0	19289	104745

			Pine_16464_20180226		
083	10/6/2017	11:23:02	0	787	3039
084	10/6/2017	11:24:02	0	35	316
085	10/6/2017	11:25:02	0	359	3205
086	10/6/2017	11:26:02	0	131	2811
087	10/6/2017	11:27:02	0	0	0
088	10/6/2017	11:28:02	0	281	1810
089	10/6/2017	11:29:02	0	0	0
090	10/6/2017	11:30:02	0	1185	5215
091	10/6/2017	11:31:02	0	0	0
092	10/6/2017	11:32:02	0	0	0
093	10/6/2017	11:33:02	0	0	0
094	10/6/2017	11:34:02	0	0	0
095	10/6/2017	11:35:02	0	0	0
096	10/6/2017	11:36:02	0	0	0
097	10/6/2017	11:37:02	0	0	0
098	10/6/2017	11:38:02	0	0	0
099	10/6/2017	11:39:02	0	0	0
100	10/6/2017	11:40:02	0	0	0
101	10/6/2017	11:41:02	0	0	0
102	10/6/2017	11:42:02	0	0	0
103	10/6/2017	11:43:02	0	0	0
104	10/6/2017	11:44:02	0	0	0
105	10/6/2017	11:45:02	0	0	0
106	10/6/2017	11:46:02	0	0	0
107	10/6/2017	11:47:02	0	0	0
108	10/6/2017	11:48:02	0	0	0
109	10/6/2017	11:49:02	0	0	0
110	10/6/2017	11:50:02	0	7	115
111	10/6/2017	11:51:02	0	0	0
112	10/6/2017	11:52:02	0	0	0
113	10/6/2017	11:53:02	0	0	0
114	10/6/2017	11:54:02	0	0	0
115	10/6/2017	11:55:02	0	809	4686
116	10/6/2017	11:56:02	0	0	0
117	10/6/2017	11:57:02	0	0	0
118	10/6/2017	11:58:02	0	0	0
119	10/6/2017	11:59:02	0	0	0
120	10/6/2017	12:00:02	0	0	0
121	10/6/2017	12:01:02	0	0	0
122	10/6/2017	12:02:02	0	0	0
123	10/6/2017	12:03:02	0	0	0
124	10/6/2017	12:04:02	0	0	0
125	10/6/2017	12:05:02	0	0	0
126	10/6/2017	12:06:02	0	0	0
127	10/6/2017	12:07:02	0	0	0
128	10/6/2017	12:08:02	0	0	0
129	10/6/2017	12:09:02	0	0	0
130	10/6/2017	12:10:02	0	0	0

			Pine_16464_20180226		
131	10/6/2017	12:11:02	0	0	0
132	10/6/2017	12:12:02	0	0	0
133	10/6/2017	12:13:02	0	0	0
134	10/6/2017	12:14:02	0	0	0
135	10/6/2017	12:15:02	0	0	0
136	10/6/2017	12:16:02	0	0	0
137	10/6/2017	12:17:02	0	0	0
138	10/6/2017	12:18:02	0	0	0
139	10/6/2017	12:19:02	0	0	0
140	10/6/2017	12:20:02	0	0	0
141	10/6/2017	12:21:02	0	0	0
142	10/6/2017	12:22:02	0	0	0
143	10/6/2017	12:23:02	0	0	0
144	10/6/2017	12:24:02	0	0	0
145	10/6/2017	12:25:02	0	0	0
146	10/6/2017	12:26:02	0	0	0
147	10/6/2017	12:27:02	0	0	0
148	10/6/2017	12:28:02	0	0	0
149	10/6/2017	12:29:02	0	0	0
150	10/6/2017	12:30:02	0	0	0
151	10/6/2017	12:31:02	0	0	0
152	10/6/2017	12:32:02	0	0	0
153	10/6/2017	12:33:02	0	0	0
154	10/6/2017	12:34:02	0	0	0
155	10/6/2017	12:35:02	0	0	0
156	10/6/2017	12:36:02	0	0	0
157	10/6/2017	12:37:02	0	0	0
158	10/6/2017	12:38:02	0	0	0
159	10/6/2017	12:39:02	0	0	0
160	10/6/2017	12:40:02	0	0	0
161	10/6/2017	12:41:02	0	0	0
162	10/6/2017	12:42:02	0	9	145
163	10/6/2017	12:43:02	0	0	0
164	10/6/2017	12:44:02	0	0	0
165	10/6/2017	12:45:02	0	0	0
166	10/6/2017	12:46:02	0	0	0
167	10/6/2017	12:47:02	0	0	0
168	10/6/2017	12:48:02	0	0	0
169	10/6/2017	12:49:02	0	0	0
170	10/6/2017	12:50:02	0	0	0
171	10/6/2017	12:51:02	0	0	0
172	10/6/2017	12:52:02	0	0	0
173	10/6/2017	12:53:02	0	1	19
174	10/6/2017	12:54:02	0	0	0
175	10/6/2017	12:55:02	0	0	0
176	10/6/2017	12:56:02	0	0	0
177	10/6/2017	12:57:02	0	0	0
178	10/6/2017	12:58:02	0	0	0

			Pine_16464_20180226		
179	10/6/2017	12:59:02	0	0	0
180	10/6/2017	13:00:02	0	0	0
181	10/6/2017	13:01:02	0	0	0
182	10/6/2017	13:02:02	0	0	0
183	10/6/2017	13:03:02	0	0	0
184	10/6/2017	13:04:02	0	0	0
185	10/6/2017	13:05:02	0	0	0
186	10/6/2017	13:06:02	0	0	0
187	10/6/2017	13:07:02	0	0	0
188	10/6/2017	13:08:02	0	0	0
189	10/6/2017	13:09:02	0	0	0
190	10/6/2017	13:10:02	0	0	0
191	10/6/2017	13:11:02	0	0	0
192	10/6/2017	13:12:02	0	0	0
193	10/6/2017	13:13:02	0	0	0
194	10/6/2017	13:14:02	0	0	0
195	10/6/2017	13:15:02	0	0	0
196	10/6/2017	13:16:02	0	0	0
197	10/6/2017	13:17:02	0	0	0
198	10/6/2017	13:18:02	0	0	0
Peak	0	19289	104745		
Min	0	0	0		
Average	0	220	1182		

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17/10/10 09:27

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

Begin 10/10/2017 09:27:46

End 10/10/2017 12:24:33

Sample Period(s) 60

Number of Records 176

Pine_16464_20180226

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 10/4/2017 08:41
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	10/10/2017 09:28:46	0	0	0	0
002	10/10/2017 09:29:46	0	0	0	0
003	10/10/2017 09:30:46	0	0	0	0
004	10/10/2017 09:31:46	0	0	0	0
005	10/10/2017 09:32:46	0	0	0	0
006	10/10/2017 09:33:46	0	0	0	0
007	10/10/2017 09:34:46	0	0	0	0
008	10/10/2017 09:35:46	0	0	0	0
009	10/10/2017 09:36:46	0	0	0	0
010	10/10/2017 09:37:46	0	0	0	0
011	10/10/2017 09:38:46	0	0	0	0
012	10/10/2017 09:39:46	0	0	0	0
013	10/10/2017 09:40:46	0	0	0	0
014	10/10/2017 09:41:46	0	0	0	0
015	10/10/2017 09:42:46	0	0	0	0
016	10/10/2017 09:43:46	0	0	0	0
017	10/10/2017 09:44:46	0	0	0	0
018	10/10/2017 09:45:46	0	0	0	0
019	10/10/2017 09:46:46	0	0	0	0
020	10/10/2017 09:47:46	0	0	0	0
021	10/10/2017 09:48:46	0	0	0	0
022	10/10/2017 09:49:46	0	0	0	0
023	10/10/2017 09:50:46	0	0	0	0
024	10/10/2017 09:51:46	0	0	0	0
025	10/10/2017 09:52:46	0	0	0	0
026	10/10/2017 09:53:46	0	0	0	0
027	10/10/2017 09:54:46	0	0	0	0
028	10/10/2017 09:55:46	0	0	0	0
029	10/10/2017 09:56:46	0	0	0	0
030	10/10/2017 09:57:46	0	0	0	0

			Pine_16464_20180226		
031	10/10/2017	09:58:46	0	0	0
032	10/10/2017	09:59:46	0	0	0
033	10/10/2017	10:00:46	0	0	0
034	10/10/2017	10:01:46	0	0	0
035	10/10/2017	10:02:46	0	0	0
036	10/10/2017	10:03:46	0	0	0
037	10/10/2017	10:04:46	0	0	0
038	10/10/2017	10:05:46	0	0	0
039	10/10/2017	10:06:46	0	0	0
040	10/10/2017	10:07:46	0	0	0
041	10/10/2017	10:08:46	0	0	0
042	10/10/2017	10:09:46	0	0	0
043	10/10/2017	10:10:46	0	0	0
044	10/10/2017	10:11:46	0	0	0
045	10/10/2017	10:12:46	0	0	0
046	10/10/2017	10:13:46	0	0	0
047	10/10/2017	10:14:46	0	0	0
048	10/10/2017	10:15:46	0	0	0
049	10/10/2017	10:16:46	0	0	0
050	10/10/2017	10:17:46	0	0	0
051	10/10/2017	10:18:46	0	0	0
052	10/10/2017	10:19:46	0	0	0
053	10/10/2017	10:20:46	0	0	0
054	10/10/2017	10:21:46	0	0	0
055	10/10/2017	10:22:46	0	0	0
056	10/10/2017	10:23:46	0	0	0
057	10/10/2017	10:24:46	0	0	0
058	10/10/2017	10:25:46	0	0	0
059	10/10/2017	10:26:46	0	1085	6676
060	10/10/2017	10:27:46	0	0	0
061	10/10/2017	10:28:46	0	0	0
062	10/10/2017	10:29:46	0	0	0
063	10/10/2017	10:30:46	0	0	0
064	10/10/2017	10:31:46	0	0	0
065	10/10/2017	10:32:46	0	0	0
066	10/10/2017	10:33:46	0	0	0
067	10/10/2017	10:34:46	0	0	0
068	10/10/2017	10:35:46	0	0	0
069	10/10/2017	10:36:46	0	0	0
070	10/10/2017	10:37:46	0	0	0
071	10/10/2017	10:38:46	0	0	0
072	10/10/2017	10:39:46	0	0	0
073	10/10/2017	10:40:46	0	0	0
074	10/10/2017	10:41:46	0	0	0
075	10/10/2017	10:42:46	0	0	0
076	10/10/2017	10:43:46	0	0	0
077	10/10/2017	10:44:46	0	0	0
078	10/10/2017	10:45:46	0	0	0

			Pine_16464_20180226		
079	10/10/2017	10:46:46	0	0	0
080	10/10/2017	10:47:46	0	0	0
081	10/10/2017	10:48:46	0	0	0
082	10/10/2017	10:49:46	0	0	0
083	10/10/2017	10:50:46	0	0	0
084	10/10/2017	10:51:46	0	0	0
085	10/10/2017	10:52:46	0	0	0
086	10/10/2017	10:53:46	0	0	0
087	10/10/2017	10:54:46	0	0	0
088	10/10/2017	10:55:46	0	0	0
089	10/10/2017	10:56:46	0	0	0
090	10/10/2017	10:57:46	0	0	0
091	10/10/2017	10:58:46	0	0	0
092	10/10/2017	10:59:46	0	0	0
093	10/10/2017	11:00:46	0	0	0
094	10/10/2017	11:01:46	0	0	0
095	10/10/2017	11:02:46	0	0	0
096	10/10/2017	11:03:46	0	0	0
097	10/10/2017	11:04:46	0	0	0
098	10/10/2017	11:05:46	0	0	0
099	10/10/2017	11:06:46	0	0	0
100	10/10/2017	11:07:46	0	0	0
101	10/10/2017	11:08:46	0	0	0
102	10/10/2017	11:09:46	0	0	0
103	10/10/2017	11:10:46	0	0	0
104	10/10/2017	11:11:46	0	0	0
105	10/10/2017	11:12:46	0	0	0
106	10/10/2017	11:13:46	0	0	0
107	10/10/2017	11:14:46	0	0	0
108	10/10/2017	11:15:46	0	0	0
109	10/10/2017	11:16:46	0	0	0
110	10/10/2017	11:17:46	0	0	0
111	10/10/2017	11:18:46	0	0	0
112	10/10/2017	11:19:46	0	0	0
113	10/10/2017	11:20:46	0	0	0
114	10/10/2017	11:21:46	0	0	0
115	10/10/2017	11:22:46	0	0	0
116	10/10/2017	11:23:46	0	0	0
117	10/10/2017	11:24:46	0	0	0
118	10/10/2017	11:25:46	0	0	0
119	10/10/2017	11:26:46	0	0	0
120	10/10/2017	11:27:46	0	0	0
121	10/10/2017	11:28:46	0	0	0
122	10/10/2017	11:29:46	0	0	0
123	10/10/2017	11:30:46	0	0	0
124	10/10/2017	11:31:46	0	0	0
125	10/10/2017	11:32:46	0	0	0
126	10/10/2017	11:33:46	0	0	0

			Pine_16464_20180226		
127	10/10/2017	11:34:46	0	0	0
128	10/10/2017	11:35:46	0	0	0
129	10/10/2017	11:36:46	0	0	0
130	10/10/2017	11:37:46	0	0	0
131	10/10/2017	11:38:46	0	0	0
132	10/10/2017	11:39:46	0	0	0
133	10/10/2017	11:40:46	0	0	0
134	10/10/2017	11:41:46	0	0	0
135	10/10/2017	11:42:46	0	0	0
136	10/10/2017	11:43:46	0	0	0
137	10/10/2017	11:44:46	0	0	0
138	10/10/2017	11:45:46	0	0	0
139	10/10/2017	11:46:46	0	0	0
140	10/10/2017	11:47:46	0	0	0
141	10/10/2017	11:48:46	0	0	0
142	10/10/2017	11:49:46	0	0	0
143	10/10/2017	11:50:46	0	0	0
144	10/10/2017	11:51:46	0	0	0
145	10/10/2017	11:52:46	0	0	0
146	10/10/2017	11:53:46	0	0	0
147	10/10/2017	11:54:46	0	0	0
148	10/10/2017	11:55:46	0	0	0
149	10/10/2017	11:56:46	0	0	0
150	10/10/2017	11:57:46	0	0	0
151	10/10/2017	11:58:46	0	0	0
152	10/10/2017	11:59:46	0	0	0
153	10/10/2017	12:00:46	0	0	0
154	10/10/2017	12:01:46	0	0	0
155	10/10/2017	12:02:46	0	0	0
156	10/10/2017	12:03:46	0	0	0
157	10/10/2017	12:04:46	0	0	0
158	10/10/2017	12:05:46	0	0	0
159	10/10/2017	12:06:46	0	0	0
160	10/10/2017	12:07:46	0	0	0
161	10/10/2017	12:08:46	0	0	0
162	10/10/2017	12:09:46	0	0	0
163	10/10/2017	12:10:46	0	0	0
164	10/10/2017	12:11:46	0	0	0
165	10/10/2017	12:12:46	0	0	0
166	10/10/2017	12:13:46	0	0	0
167	10/10/2017	12:14:46	0	0	0
168	10/10/2017	12:15:46	0	0	0
169	10/10/2017	12:16:46	0	0	0
170	10/10/2017	12:17:46	0	0	0
171	10/10/2017	12:18:46	0	0	0
172	10/10/2017	12:19:46	0	0	0
173	10/10/2017	12:20:46	0	0	0
174	10/10/2017	12:21:46	0	0	0

			Pine_16464_20180226
175	10/10/2017 12:22:46	0	0 0
176	10/10/2017 12:23:46	0	0 0
Peak	0 1085	6676	
Min	0 0	0	
Average	0 6	38	

=====

17/10/10 15:11

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-903918
Unit Firmware Ver	V1.20B

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

Site ID 00000056
User ID 00000001

Begin	10/10/2017 15:11:24
End	10/10/2017 15:56:59
Sample Period(s)	60
Number of Records	45

Sensor	VOC(ppb)
Span	100000
Span 2	N/A
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutylene
Calibration Time	10/4/2017 08:41
Peak	N/A
Min	N/A
Average	N/A

Datalog

	VOC(ppb)	VOC(ppb)	VOC(ppb)
Index	Date/Time	(Min)	(Avg) (Max)

			Pine_16464_20180226			
001	10/10/2017	15:12:24	0	0	0	
002	10/10/2017	15:13:24	0	0	0	
003	10/10/2017	15:14:24	0	0	0	
004	10/10/2017	15:15:24	0	0	0	
005	10/10/2017	15:16:24	0	0	0	
006	10/10/2017	15:17:24	0	0	0	
007	10/10/2017	15:18:24	0	0	0	
008	10/10/2017	15:19:24	0	0	0	
009	10/10/2017	15:20:24	0	0	0	
010	10/10/2017	15:21:24	0	0	0	
011	10/10/2017	15:22:24	0	0	0	
012	10/10/2017	15:23:24	0	0	0	
013	10/10/2017	15:24:24	0	0	0	
014	10/10/2017	15:25:24	0	0	0	
015	10/10/2017	15:26:24	0	0	0	
016	10/10/2017	15:27:24	0	0	0	
017	10/10/2017	15:28:24	0	0	0	
018	10/10/2017	15:29:24	0	0	0	
019	10/10/2017	15:30:24	0	0	0	
020	10/10/2017	15:31:24	0	0	0	
021	10/10/2017	15:32:24	0	0	0	
022	10/10/2017	15:33:24	0	0	0	
023	10/10/2017	15:34:24	0	0	0	
024	10/10/2017	15:35:24	0	0	0	
025	10/10/2017	15:36:24	0	0	0	
026	10/10/2017	15:37:24	0	0	0	
027	10/10/2017	15:38:24	0	0	0	
028	10/10/2017	15:39:24	0	0	0	
029	10/10/2017	15:40:24	0	0	0	
030	10/10/2017	15:41:24	0	0	0	
031	10/10/2017	15:42:24	0	0	0	
032	10/10/2017	15:43:24	0	0	0	
033	10/10/2017	15:44:24	0	0	0	
034	10/10/2017	15:45:24	0	0	0	
035	10/10/2017	15:46:24	0	0	0	
036	10/10/2017	15:47:24	0	0	0	
037	10/10/2017	15:48:24	0	0	0	
038	10/10/2017	15:49:24	0	0	0	
039	10/10/2017	15:50:24	0	0	0	
040	10/10/2017	15:51:24	0	0	0	
041	10/10/2017	15:52:24	0	0	0	
042	10/10/2017	15:53:24	0	0	0	
043	10/10/2017	15:54:24	0	0	0	
044	10/10/2017	15:55:24	0	0	0	
045	10/10/2017	15:56:24	0	0	0	
Peak	0	0	0			
Min	0	0	0			
Average	0	0	0			

=====
17/10/19 12:45

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Pause in Menu Mode

Site ID 00000056
User ID 00000001

Begin 10/19/2017 12:45:26
End 10/19/2017 12:45:35
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 10/4/2017 08:41

Datalog

0 record.

=====
17/10/19 12:47

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918

Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 10/19/2017 12:47:33
End 10/19/2017 12:47:45
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 10/4/2017 08:41

Datalog

0 record.

=====

17/10/19 13:07

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Pause in Menu Mode

Site ID 00000056

User ID 00000001

Begin 10/19/2017 13:07:06

End 10/19/2017 13:07:19

Sample Period(s) 60

Number of Records 0

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

TWA Alarm 10000

Measurement Gas Isobutylene

Calibration Time 10/4/2017 08:41

Datalog

0 record.

=====

17/10/19 13:08

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Pause in Menu Mode

Site ID 00000056

User ID 00000001

Begin 10/19/2017 13:08:56

End 10/19/2017 13:09:06

Sample Period(s) 60

Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 10/4/2017 08:41

Datalog

0 record.

=====

17/10/19 13:10

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Pause in Menu Mode

Site ID 00000056
User ID 00000001

Begin 10/19/2017 13:10:04
End 10/19/2017 13:10:43
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000

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TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 10/4/2017 08:41

Datalog

0 record.

=====

17/10/19 13:13

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Pause in Menu Mode

Site ID 00000056
User ID 00000001

Begin 10/19/2017 13:13:13
End 10/19/2017 13:15:25
Sample Period(s) 60
Number of Records 2

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Pine_16464_20180226

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	10/19/2017 13:14:13	0	0	0	0
002	10/19/2017 13:15:13	0	0	0	0
Peak	0	0	0		
Min	0	0	0		
Average	0	0	0		

17/10/19 13:17

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Pause in Menu Mode

Site ID 00000056

User ID 00000001

Begin 10/19/2017 13:17:14

End 10/19/2017 13:17:26

Sample Period(s) 60

Number of Records 0

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

TWA Alarm 10000

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Datalog

0 record.

=====
17/10/19 13:19

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 10/19/2017 13:19:51
End 10/19/2017 13:20:47
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11

Datalog

0 record.

=====
17/10/26 16:30

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918

Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 10/26/2017 16:30:03
End 10/26/2017 16:36:14
Sample Period(s) 60
Number of Records 6

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	10/26/2017 16:31:03	0	0	0	0
002	10/26/2017 16:32:03	0	0	0	0
003	10/26/2017 16:33:03	0	0	0	0
004	10/26/2017 16:34:03	0	0	0	0
005	10/26/2017 16:35:03	0	0	0	0
006	10/26/2017 16:36:03	0	0	0	0
Peak	0	0	0		
Min	0	0	0		
Average	0	0	0		

=====

17/10/31 09:45

Summary

 Unit Name MiniRAE 3000(PGM-7320)
 Unit SN 592-903918
 Unit Firmware Ver V1.20B

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

Site ID 00000056
 User ID 00000001

Begin 10/31/2017 09:45:11
 End 10/31/2017 09:59:58
 Sample Period(s) 60
 Number of Records 14

Sensor VOC(ppb)
 Span 100000
 Span 2 N/A
 Low Alarm 50000
 High Alarm 100000
 Over Alarm 15000000
 STEL Alarm 25000
 TWA Alarm 100000
 Measurement Gas Isobutylene
 Calibration Time 10/19/2017 13:11
 Peak N/A
 Min N/A
 Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	10/31/2017 09:46:11	0	0	0	0
002	10/31/2017 09:47:11	0	0	0	0
003	10/31/2017 09:48:11	0	0	0	0
004	10/31/2017 09:49:11	0	0	0	0
005	10/31/2017 09:50:11	0	0	0	0
006	10/31/2017 09:51:11	0	0	0	0
007	10/31/2017 09:52:11	0	152342	2244545	
008	10/31/2017 09:53:11	0	258	3305	
009	10/31/2017 09:54:11	0	0	0	

			Pine_16464_20180226
010	10/31/2017 09:55:11	0	0
011	10/31/2017 09:56:11	0	0
012	10/31/2017 09:57:11	0	0
013	10/31/2017 09:58:11	0	0
014	10/31/2017 09:59:11	0	0
Peak	0	152342	2244545
Min	0	0	0
Average	0	10900	160561

=====

17/10/31 10:12

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

Begin 10/31/2017 10:12:31

End 10/31/2017 10:14:28

Sample Period(s) 60

Number of Records 1

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

TWA Alarm 100000

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Peak N/A

Min N/A

Average N/A

Pine_16464_20180226

Datalog

	VOC(ppb)		VOC(ppb)		VOC(ppb)
Index	Date/Time	(Min)	(Avg)	(Max)	
001	10/31/2017 10:13:31		0	0	0
Peak	0	0	0		
Min	0	0	0		
Average	0	0	0		

17/11/06 08:38

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 11/6/2017 08:38:44
End 11/6/2017 16:05:58
Sample Period(s) 60
Number of Records 447

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

			Pine_16464_20180226		
VOC(ppb)			VOC(ppb)		VOC(ppb)
Index	Date/Time	(Min)	(Avg)	(Max)	
001	11/6/2017 08:39:44		0	0	11
002	11/6/2017 08:40:44		0	0	0
003	11/6/2017 08:41:44		0	0	0
004	11/6/2017 08:42:44		0	0	0
005	11/6/2017 08:43:44		0	0	0
006	11/6/2017 08:44:44		0	0	0
007	11/6/2017 08:45:44		0	0	0
008	11/6/2017 08:46:44		0	0	0
009	11/6/2017 08:47:44		0	0	0
010	11/6/2017 08:48:44		0	0	0
011	11/6/2017 08:49:44		0	0	0
012	11/6/2017 08:50:44		0	0	0
013	11/6/2017 08:51:44		0	0	0
014	11/6/2017 08:52:44		0	0	0
015	11/6/2017 08:53:44		0	0	0
016	11/6/2017 08:54:44		0	0	0
017	11/6/2017 08:55:44		0	0	0
018	11/6/2017 08:56:44		0	0	0
019	11/6/2017 08:57:44		0	0	0
020	11/6/2017 08:58:44		0	0	0
021	11/6/2017 08:59:44		0	0	0
022	11/6/2017 09:00:44		0	0	0
023	11/6/2017 09:01:44		0	0	0
024	11/6/2017 09:02:44		0	0	0
025	11/6/2017 09:03:44		0	0	0
026	11/6/2017 09:04:44		0	0	0
027	11/6/2017 09:05:44		0	0	0
028	11/6/2017 09:06:44		0	0	0
029	11/6/2017 09:07:44		0	0	0
030	11/6/2017 09:08:44		0	0	0
031	11/6/2017 09:09:44		0	0	0
032	11/6/2017 09:10:44		0	0	0
033	11/6/2017 09:11:44		0	0	0
034	11/6/2017 09:12:44		0	0	0
035	11/6/2017 09:13:44		0	0	0
036	11/6/2017 09:14:44		0	0	0
037	11/6/2017 09:15:44		0	0	0
038	11/6/2017 09:16:44		0	0	0
039	11/6/2017 09:17:44		0	0	0
040	11/6/2017 09:18:44		0	0	0
041	11/6/2017 09:19:44		0	0	0
042	11/6/2017 09:20:44		0	0	0
043	11/6/2017 09:21:44		0	0	0
044	11/6/2017 09:22:44		0	0	0
045	11/6/2017 09:23:44		0	0	0
046	11/6/2017 09:24:44		0	0	0

			Pine_16464_20180226		
047	11/6/2017	09:25:44	0	0	0
048	11/6/2017	09:26:44	0	0	0
049	11/6/2017	09:27:44	0	0	0
050	11/6/2017	09:28:44	0	0	0
051	11/6/2017	09:29:44	0	0	0
052	11/6/2017	09:30:44	0	0	0
053	11/6/2017	09:31:44	0	0	0
054	11/6/2017	09:32:44	0	0	0
055	11/6/2017	09:33:44	0	0	0
056	11/6/2017	09:34:44	0	0	0
057	11/6/2017	09:35:44	0	0	0
058	11/6/2017	09:36:44	0	0	0
059	11/6/2017	09:37:44	0	0	0
060	11/6/2017	09:38:44	0	0	0
061	11/6/2017	09:39:44	0	0	0
062	11/6/2017	09:40:44	0	0	0
063	11/6/2017	09:41:44	0	0	0
064	11/6/2017	09:42:44	0	0	0
065	11/6/2017	09:43:44	0	0	0
066	11/6/2017	09:44:44	0	0	0
067	11/6/2017	09:45:44	0	0	0
068	11/6/2017	09:46:44	0	0	0
069	11/6/2017	09:47:44	0	0	0
070	11/6/2017	09:48:44	0	0	0
071	11/6/2017	09:49:44	0	0	0
072	11/6/2017	09:50:44	0	0	0
073	11/6/2017	09:51:44	0	0	0
074	11/6/2017	09:52:44	0	0	0
075	11/6/2017	09:53:44	0	0	0
076	11/6/2017	09:54:44	0	0	0
077	11/6/2017	09:55:44	0	0	0
078	11/6/2017	09:56:44	0	0	0
079	11/6/2017	09:57:44	0	0	0
080	11/6/2017	09:58:44	0	0	0
081	11/6/2017	09:59:44	0	0	0
082	11/6/2017	10:00:44	0	0	0
083	11/6/2017	10:01:44	0	0	0
084	11/6/2017	10:02:44	0	0	0
085	11/6/2017	10:03:44	0	0	0
086	11/6/2017	10:04:44	0	0	0
087	11/6/2017	10:05:44	0	0	0
088	11/6/2017	10:06:44	0	0	0
089	11/6/2017	10:07:44	0	0	0
090	11/6/2017	10:08:44	0	0	0
091	11/6/2017	10:09:44	0	0	0
092	11/6/2017	10:10:44	0	0	0
093	11/6/2017	10:11:44	0	0	0
094	11/6/2017	10:12:44	0	0	0

			Pine_16464_20180226		
095	11/6/2017	10:13:44	0	0	0
096	11/6/2017	10:14:44	0	0	0
097	11/6/2017	10:15:44	0	0	0
098	11/6/2017	10:16:44	0	0	0
099	11/6/2017	10:17:44	0	0	0
100	11/6/2017	10:18:44	0	0	0
101	11/6/2017	10:19:44	0	0	0
102	11/6/2017	10:20:44	0	0	0
103	11/6/2017	10:21:44	0	0	0
104	11/6/2017	10:22:44	0	0	0
105	11/6/2017	10:23:44	0	0	0
106	11/6/2017	10:24:44	0	0	0
107	11/6/2017	10:25:44	0	0	0
108	11/6/2017	10:26:44	0	0	0
109	11/6/2017	10:27:44	0	0	0
110	11/6/2017	10:28:44	0	1	25
111	11/6/2017	10:29:44	0	0	0
112	11/6/2017	10:30:44	0	0	0
113	11/6/2017	10:31:44	0	0	0
114	11/6/2017	10:32:44	0	0	0
115	11/6/2017	10:33:44	0	0	0
116	11/6/2017	10:34:44	0	0	0
117	11/6/2017	10:35:44	0	0	0
118	11/6/2017	10:36:44	0	0	0
119	11/6/2017	10:37:44	0	0	0
120	11/6/2017	10:38:44	0	0	0
121	11/6/2017	10:39:44	0	0	0
122	11/6/2017	10:40:44	0	0	0
123	11/6/2017	10:41:44	0	0	0
124	11/6/2017	10:42:44	0	0	0
125	11/6/2017	10:43:44	0	0	0
126	11/6/2017	10:44:44	0	0	0
127	11/6/2017	10:45:44	0	0	0
128	11/6/2017	10:46:44	0	0	0
129	11/6/2017	10:47:44	0	0	0
130	11/6/2017	10:48:44	0	0	0
131	11/6/2017	10:49:44	0	0	0
132	11/6/2017	10:50:44	0	0	0
133	11/6/2017	10:51:44	0	0	0
134	11/6/2017	10:52:44	0	0	0
135	11/6/2017	10:53:44	0	0	0
136	11/6/2017	10:54:44	0	0	0
137	11/6/2017	10:55:44	0	0	0
138	11/6/2017	10:56:44	0	0	0
139	11/6/2017	10:57:44	0	0	0
140	11/6/2017	10:58:44	0	0	0
141	11/6/2017	10:59:44	0	0	0
142	11/6/2017	11:00:44	0	0	0

			Pine_16464_20180226		
143	11/6/2017	11:01:44	0	0	0
144	11/6/2017	11:02:44	0	0	0
145	11/6/2017	11:03:44	0	0	0
146	11/6/2017	11:04:44	0	0	0
147	11/6/2017	11:05:44	0	0	0
148	11/6/2017	11:06:44	0	0	0
149	11/6/2017	11:07:44	0	0	0
150	11/6/2017	11:08:44	0	0	0
151	11/6/2017	11:09:44	0	0	0
152	11/6/2017	11:10:44	0	0	0
153	11/6/2017	11:11:44	0	0	0
154	11/6/2017	11:12:44	0	0	0
155	11/6/2017	11:13:44	0	0	0
156	11/6/2017	11:14:44	0	0	0
157	11/6/2017	11:15:44	0	0	0
158	11/6/2017	11:16:44	0	0	0
159	11/6/2017	11:17:44	0	0	0
160	11/6/2017	11:18:44	0	0	0
161	11/6/2017	11:19:44	0	0	0
162	11/6/2017	11:20:44	0	0	0
163	11/6/2017	11:21:44	0	0	0
164	11/6/2017	11:22:44	0	0	0
165	11/6/2017	11:23:44	0	0	0
166	11/6/2017	11:24:44	0	0	0
167	11/6/2017	11:25:44	0	0	0
168	11/6/2017	11:26:44	0	0	0
169	11/6/2017	11:27:44	0	0	0
170	11/6/2017	11:28:44	0	0	0
171	11/6/2017	11:29:44	0	0	0
172	11/6/2017	11:30:44	0	0	0
173	11/6/2017	11:31:44	0	0	0
174	11/6/2017	11:32:44	0	0	0
175	11/6/2017	11:33:44	0	0	0
176	11/6/2017	11:34:44	0	0	0
177	11/6/2017	11:35:44	0	0	0
178	11/6/2017	11:36:44	0	0	0
179	11/6/2017	11:37:44	0	0	0
180	11/6/2017	11:38:44	0	0	0
181	11/6/2017	11:39:44	0	0	0
182	11/6/2017	11:40:44	0	0	0
183	11/6/2017	11:41:44	0	0	0
184	11/6/2017	11:42:44	0	0	0
185	11/6/2017	11:43:44	0	0	0
186	11/6/2017	11:44:44	0	0	0
187	11/6/2017	11:45:44	0	0	0
188	11/6/2017	11:46:44	0	0	0
189	11/6/2017	11:47:44	0	0	0
190	11/6/2017	11:48:44	0	0	0

			Pine_16464_20180226		
191	11/6/2017	11:49:44	0	0	0
192	11/6/2017	11:50:44	0	0	0
193	11/6/2017	11:51:44	0	0	0
194	11/6/2017	11:52:44	0	0	0
195	11/6/2017	11:53:44	0	0	0
196	11/6/2017	11:54:44	0	0	0
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198	11/6/2017	11:56:44	0	0	0
199	11/6/2017	11:57:44	0	0	0
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201	11/6/2017	11:59:44	0	0	0
202	11/6/2017	12:00:44	0	0	0
203	11/6/2017	12:01:44	0	0	0
204	11/6/2017	12:02:44	0	0	0
205	11/6/2017	12:03:44	0	0	0
206	11/6/2017	12:04:44	0	0	0
207	11/6/2017	12:05:44	0	0	0
208	11/6/2017	12:06:44	0	0	0
209	11/6/2017	12:07:44	0	0	0
210	11/6/2017	12:08:44	0	0	0
211	11/6/2017	12:09:44	0	0	0
212	11/6/2017	12:10:44	0	0	0
213	11/6/2017	12:11:44	0	0	0
214	11/6/2017	12:12:44	0	0	0
215	11/6/2017	12:13:44	0	0	0
216	11/6/2017	12:14:44	0	0	0
217	11/6/2017	12:15:44	0	0	0
218	11/6/2017	12:16:44	0	0	0
219	11/6/2017	12:17:44	0	0	0
220	11/6/2017	12:18:44	0	0	0
221	11/6/2017	12:19:44	0	0	0
222	11/6/2017	12:20:44	0	0	0
223	11/6/2017	12:21:44	0	0	0
224	11/6/2017	12:22:44	0	0	0
225	11/6/2017	12:23:44	0	0	0
226	11/6/2017	12:24:44	0	0	0
227	11/6/2017	12:25:44	0	0	0
228	11/6/2017	12:26:44	0	0	0
229	11/6/2017	12:27:44	0	0	0
230	11/6/2017	12:28:44	0	0	0
231	11/6/2017	12:29:44	0	0	0
232	11/6/2017	12:30:44	0	0	0
233	11/6/2017	12:31:44	0	0	0
234	11/6/2017	12:32:44	0	0	0
235	11/6/2017	12:33:44	0	0	0
236	11/6/2017	12:34:44	0	0	0
237	11/6/2017	12:35:44	0	0	0
238	11/6/2017	12:36:44	0	0	0

			Pine_16464_20180226		
239	11/6/2017	12:37:44	0	0	0
240	11/6/2017	12:38:44	0	0	0
241	11/6/2017	12:39:44	0	0	0
242	11/6/2017	12:40:44	0	0	0
243	11/6/2017	12:41:44	0	0	0
244	11/6/2017	12:42:44	0	0	0
245	11/6/2017	12:43:44	0	0	0
246	11/6/2017	12:44:44	0	0	0
247	11/6/2017	12:45:44	0	0	0
248	11/6/2017	12:46:44	0	0	0
249	11/6/2017	12:47:44	0	0	0
250	11/6/2017	12:48:44	0	0	0
251	11/6/2017	12:49:44	0	0	0
252	11/6/2017	12:50:44	0	0	0
253	11/6/2017	12:51:44	0	0	0
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255	11/6/2017	12:53:44	0	0	0
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261	11/6/2017	12:59:44	0	0	0
262	11/6/2017	13:00:44	0	0	0
263	11/6/2017	13:01:44	0	0	0
264	11/6/2017	13:02:44	0	0	0
265	11/6/2017	13:03:44	0	0	0
266	11/6/2017	13:04:44	0	0	0
267	11/6/2017	13:05:44	0	0	0
268	11/6/2017	13:06:44	0	0	0
269	11/6/2017	13:07:44	0	0	0
270	11/6/2017	13:08:44	0	0	0
271	11/6/2017	13:09:44	0	0	0
272	11/6/2017	13:10:44	0	0	0
273	11/6/2017	13:11:44	0	0	0
274	11/6/2017	13:12:44	0	0	0
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276	11/6/2017	13:14:44	0	0	0
277	11/6/2017	13:15:44	0	0	0
278	11/6/2017	13:16:44	0	0	0
279	11/6/2017	13:17:44	0	0	0
280	11/6/2017	13:18:44	0	0	0
281	11/6/2017	13:19:44	0	0	0
282	11/6/2017	13:20:44	0	0	0
283	11/6/2017	13:21:44	0	0	0
284	11/6/2017	13:22:44	0	0	0
285	11/6/2017	13:23:44	0	0	0
286	11/6/2017	13:24:44	0	0	0

			Pine_16464_20180226		
287	11/6/2017	13:25:44	0	0	0
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289	11/6/2017	13:27:44	0	0	0
290	11/6/2017	13:28:44	0	0	0
291	11/6/2017	13:29:44	0	0	0
292	11/6/2017	13:30:44	0	0	0
293	11/6/2017	13:31:44	0	0	0
294	11/6/2017	13:32:44	0	0	0
295	11/6/2017	13:33:44	0	0	0
296	11/6/2017	13:34:44	0	0	0
297	11/6/2017	13:35:44	0	0	0
298	11/6/2017	13:36:44	0	0	0
299	11/6/2017	13:37:44	0	0	0
300	11/6/2017	13:38:44	0	0	0
301	11/6/2017	13:39:44	0	0	0
302	11/6/2017	13:40:44	0	0	0
303	11/6/2017	13:41:44	0	0	0
304	11/6/2017	13:42:44	0	0	0
305	11/6/2017	13:43:44	0	0	0
306	11/6/2017	13:44:44	0	0	0
307	11/6/2017	13:45:44	0	0	0
308	11/6/2017	13:46:44	0	0	0
309	11/6/2017	13:47:44	0	0	0
310	11/6/2017	13:48:44	0	0	0
311	11/6/2017	13:49:44	0	0	0
312	11/6/2017	13:50:44	0	0	0
313	11/6/2017	13:51:44	0	0	0
314	11/6/2017	13:52:44	0	0	0
315	11/6/2017	13:53:44	0	0	0
316	11/6/2017	13:54:44	0	0	0
317	11/6/2017	13:55:44	0	0	0
318	11/6/2017	13:56:44	0	0	0
319	11/6/2017	13:57:44	0	0	0
320	11/6/2017	13:58:44	0	0	0
321	11/6/2017	13:59:44	0	0	0
322	11/6/2017	14:00:44	0	0	0
323	11/6/2017	14:01:44	0	0	0
324	11/6/2017	14:02:44	0	0	0
325	11/6/2017	14:03:44	0	0	0
326	11/6/2017	14:04:44	0	0	0
327	11/6/2017	14:05:44	0	0	0
328	11/6/2017	14:06:44	0	0	0
329	11/6/2017	14:07:44	0	0	0
330	11/6/2017	14:08:44	0	0	0
331	11/6/2017	14:09:44	0	0	0
332	11/6/2017	14:10:44	0	0	0
333	11/6/2017	14:11:44	0	0	0
334	11/6/2017	14:12:44	0	0	0

			Pine_16464_20180226		
335	11/6/2017	14:13:44	0	0	0
336	11/6/2017	14:14:44	0	0	0
337	11/6/2017	14:15:44	0	0	0
338	11/6/2017	14:16:44	0	0	0
339	11/6/2017	14:17:44	0	0	0
340	11/6/2017	14:18:44	0	0	0
341	11/6/2017	14:19:44	0	0	0
342	11/6/2017	14:20:44	0	0	0
343	11/6/2017	14:21:44	0	0	0
344	11/6/2017	14:22:44	0	0	0
345	11/6/2017	14:23:44	0	0	0
346	11/6/2017	14:24:44	0	0	0
347	11/6/2017	14:25:44	0	0	0
348	11/6/2017	14:26:44	0	0	0
349	11/6/2017	14:27:44	0	0	0
350	11/6/2017	14:28:44	0	0	0
351	11/6/2017	14:29:44	0	0	0
352	11/6/2017	14:30:44	0	0	0
353	11/6/2017	14:31:44	0	0	0
354	11/6/2017	14:32:44	0	0	0
355	11/6/2017	14:33:44	0	0	0
356	11/6/2017	14:34:44	0	0	0
357	11/6/2017	14:35:44	0	0	0
358	11/6/2017	14:36:44	0	0	0
359	11/6/2017	14:37:44	0	0	0
360	11/6/2017	14:38:44	0	0	0
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362	11/6/2017	14:40:44	0	0	0
363	11/6/2017	14:41:44	0	0	0
364	11/6/2017	14:42:44	0	0	0
365	11/6/2017	14:43:44	0	0	0
366	11/6/2017	14:44:44	0	0	0
367	11/6/2017	14:45:44	0	0	0
368	11/6/2017	14:46:44	0	0	0
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370	11/6/2017	14:48:44	0	0	0
371	11/6/2017	14:49:44	0	0	0
372	11/6/2017	14:50:44	0	0	0
373	11/6/2017	14:51:44	0	0	0
374	11/6/2017	14:52:44	0	0	0
375	11/6/2017	14:53:44	0	0	0
376	11/6/2017	14:54:44	0	0	0
377	11/6/2017	14:55:44	0	0	0
378	11/6/2017	14:56:44	0	0	0
379	11/6/2017	14:57:44	0	0	0
380	11/6/2017	14:58:44	0	0	0
381	11/6/2017	14:59:44	0	0	0
382	11/6/2017	15:00:44	0	0	0

			Pine_16464_20180226		
383	11/6/2017	15:01:44	0	0	0
384	11/6/2017	15:02:44	0	0	0
385	11/6/2017	15:03:44	0	0	0
386	11/6/2017	15:04:44	0	0	0
387	11/6/2017	15:05:44	0	0	0
388	11/6/2017	15:06:44	0	0	0
389	11/6/2017	15:07:44	0	0	0
390	11/6/2017	15:08:44	0	0	0
391	11/6/2017	15:09:44	0	0	0
392	11/6/2017	15:10:44	0	0	0
393	11/6/2017	15:11:44	0	0	0
394	11/6/2017	15:12:44	0	0	0
395	11/6/2017	15:13:44	0	0	0
396	11/6/2017	15:14:44	0	0	0
397	11/6/2017	15:15:44	0	0	0
398	11/6/2017	15:16:44	0	0	0
399	11/6/2017	15:17:44	0	0	0
400	11/6/2017	15:18:44	0	0	0
401	11/6/2017	15:19:44	0	0	0
402	11/6/2017	15:20:44	0	0	0
403	11/6/2017	15:21:44	0	0	0
404	11/6/2017	15:22:44	0	0	0
405	11/6/2017	15:23:44	0	0	0
406	11/6/2017	15:24:44	0	0	0
407	11/6/2017	15:25:44	0	0	0
408	11/6/2017	15:26:44	0	0	0
409	11/6/2017	15:27:44	0	0	0
410	11/6/2017	15:28:44	0	0	0
411	11/6/2017	15:29:44	0	0	0
412	11/6/2017	15:30:44	0	0	0
413	11/6/2017	15:31:44	0	0	0
414	11/6/2017	15:32:44	0	0	0
415	11/6/2017	15:33:44	0	0	0
416	11/6/2017	15:34:44	0	0	0
417	11/6/2017	15:35:44	0	0	0
418	11/6/2017	15:36:44	0	0	0
419	11/6/2017	15:37:44	0	0	0
420	11/6/2017	15:38:44	0	0	0
421	11/6/2017	15:39:44	0	0	0
422	11/6/2017	15:40:44	0	0	0
423	11/6/2017	15:41:44	0	0	0
424	11/6/2017	15:42:44	0	0	0
425	11/6/2017	15:43:44	0	0	0
426	11/6/2017	15:44:44	0	0	0
427	11/6/2017	15:45:44	0	0	0
428	11/6/2017	15:46:44	0	0	0
429	11/6/2017	15:47:44	0	0	0
430	11/6/2017	15:48:44	0	0	0

			Pine_16464_20180226		
431	11/6/2017	15:49:44	0	0	0
432	11/6/2017	15:50:44	0	0	0
433	11/6/2017	15:51:44	0	0	0
434	11/6/2017	15:52:44	0	0	0
435	11/6/2017	15:53:44	0	0	0
436	11/6/2017	15:54:44	0	0	0
437	11/6/2017	15:55:44	0	0	0
438	11/6/2017	15:56:44	0	0	0
439	11/6/2017	15:57:44	0	0	0
440	11/6/2017	15:58:44	0	0	0
441	11/6/2017	15:59:44	0	0	0
442	11/6/2017	16:00:44	0	0	0
443	11/6/2017	16:01:44	0	0	0
444	11/6/2017	16:02:44	0	0	0
445	11/6/2017	16:03:44	0	0	0
446	11/6/2017	16:04:44	0	0	0
447	11/6/2017	16:05:44	0	0	0
Peak	0	1	25		
Min	0	0	0		
Average	0	0	0		

=====

17/11/07 08:34

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-903918
Unit Firmware Ver	V1.20B

Running Mode	Hygiene Mode
Measure Type	Min; Avg; Max
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID 00000056
User ID 00000001

Begin	11/7/2017 08:34:29
End	11/7/2017 11:21:45
Sample Period(s)	60
Number of Records	167

Sensor	VOC(ppb)
Span	100000
Span 2	N/A

Pine_16464_20180226

Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Peak N/A

Min N/A

Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)
001	11/7/2017 08:35:29	0	0	0
002	11/7/2017 08:36:29	0	0	0
003	11/7/2017 08:37:29	0	0	0
004	11/7/2017 08:38:29	0	0	0
005	11/7/2017 08:39:29	0	0	0
006	11/7/2017 08:40:29	0	0	0
007	11/7/2017 08:41:29	0	0	0
008	11/7/2017 08:42:29	0	0	0
009	11/7/2017 08:43:29	0	0	0
010	11/7/2017 08:44:29	0	0	0
011	11/7/2017 08:45:29	0	0	0
012	11/7/2017 08:46:29	0	0	0
013	11/7/2017 08:47:29	0	0	0
014	11/7/2017 08:48:29	0	0	0
015	11/7/2017 08:49:29	0	0	0
016	11/7/2017 08:50:29	0	0	0
017	11/7/2017 08:51:29	0	0	0
018	11/7/2017 08:52:29	0	0	0
019	11/7/2017 08:53:29	0	0	0
020	11/7/2017 08:54:29	0	0	0
021	11/7/2017 08:55:29	0	0	0
022	11/7/2017 08:56:29	0	0	0
023	11/7/2017 08:57:29	0	0	0
024	11/7/2017 08:58:29	0	0	0
025	11/7/2017 08:59:29	0	0	0
026	11/7/2017 09:00:29	0	0	0
027	11/7/2017 09:01:29	0	0	0
028	11/7/2017 09:02:29	0	0	0
029	11/7/2017 09:03:29	0	0	0
030	11/7/2017 09:04:29	0	0	0
031	11/7/2017 09:05:29	0	0	0
032	11/7/2017 09:06:29	0	0	0
033	11/7/2017 09:07:29	0	0	0

			Pine_16464_20180226		
034	11/7/2017	09:08:29	0	0	0
035	11/7/2017	09:09:29	0	0	0
036	11/7/2017	09:10:29	0	0	0
037	11/7/2017	09:11:29	0	0	0
038	11/7/2017	09:12:29	0	0	0
039	11/7/2017	09:13:29	0	0	0
040	11/7/2017	09:14:29	0	0	0
041	11/7/2017	09:15:29	0	0	0
042	11/7/2017	09:16:29	0	0	0
043	11/7/2017	09:17:29	0	0	0
044	11/7/2017	09:18:29	0	0	0
045	11/7/2017	09:19:29	0	0	0
046	11/7/2017	09:20:29	0	0	0
047	11/7/2017	09:21:29	0	0	0
048	11/7/2017	09:22:29	0	0	0
049	11/7/2017	09:23:29	0	0	0
050	11/7/2017	09:24:29	0	0	0
051	11/7/2017	09:25:29	0	0	0
052	11/7/2017	09:26:29	0	0	0
053	11/7/2017	09:27:29	0	0	0
054	11/7/2017	09:28:29	0	0	0
055	11/7/2017	09:29:29	0	0	0
056	11/7/2017	09:30:29	0	0	0
057	11/7/2017	09:31:29	0	0	0
058	11/7/2017	09:32:29	0	0	0
059	11/7/2017	09:33:29	0	0	0
060	11/7/2017	09:34:29	0	0	0
061	11/7/2017	09:35:29	0	0	0
062	11/7/2017	09:36:29	0	0	0
063	11/7/2017	09:37:29	0	0	0
064	11/7/2017	09:38:29	0	0	0
065	11/7/2017	09:39:29	0	0	0
066	11/7/2017	09:40:29	0	0	0
067	11/7/2017	09:41:29	0	0	0
068	11/7/2017	09:42:29	0	0	0
069	11/7/2017	09:43:29	0	0	0
070	11/7/2017	09:44:29	0	0	0
071	11/7/2017	09:45:29	0	0	0
072	11/7/2017	09:46:29	0	0	0
073	11/7/2017	09:47:29	0	0	0
074	11/7/2017	09:48:29	0	0	0
075	11/7/2017	09:49:29	0	0	0
076	11/7/2017	09:50:29	0	0	0
077	11/7/2017	09:51:29	0	0	0
078	11/7/2017	09:52:29	0	0	0
079	11/7/2017	09:53:29	0	0	0
080	11/7/2017	09:54:29	0	0	0
081	11/7/2017	09:55:29	0	0	0

			Pine_16464_20180226		
082	11/7/2017	09:56:29	0	0	0
083	11/7/2017	09:57:29	0	0	0
084	11/7/2017	09:58:29	0	0	0
085	11/7/2017	09:59:29	0	0	0
086	11/7/2017	10:00:29	0	0	0
087	11/7/2017	10:01:29	0	0	0
088	11/7/2017	10:02:29	0	0	0
089	11/7/2017	10:03:29	0	0	0
090	11/7/2017	10:04:29	0	0	0
091	11/7/2017	10:05:29	0	0	0
092	11/7/2017	10:06:29	0	0	0
093	11/7/2017	10:07:29	0	0	0
094	11/7/2017	10:08:29	0	0	0
095	11/7/2017	10:09:29	0	0	0
096	11/7/2017	10:10:29	0	0	0
097	11/7/2017	10:11:29	0	0	0
098	11/7/2017	10:12:29	0	0	0
099	11/7/2017	10:13:29	0	0	0
100	11/7/2017	10:14:29	0	0	0
101	11/7/2017	10:15:29	0	0	0
102	11/7/2017	10:16:29	0	0	0
103	11/7/2017	10:17:29	0	0	0
104	11/7/2017	10:18:29	0	0	0
105	11/7/2017	10:19:29	0	0	0
106	11/7/2017	10:20:29	0	0	0
107	11/7/2017	10:21:29	0	0	0
108	11/7/2017	10:22:29	0	0	0
109	11/7/2017	10:23:29	0	0	0
110	11/7/2017	10:24:29	0	0	0
111	11/7/2017	10:25:29	0	0	0
112	11/7/2017	10:26:29	0	0	0
113	11/7/2017	10:27:29	0	0	0
114	11/7/2017	10:28:29	0	0	0
115	11/7/2017	10:29:29	0	0	0
116	11/7/2017	10:30:29	0	0	0
117	11/7/2017	10:31:29	0	0	0
118	11/7/2017	10:32:29	0	0	0
119	11/7/2017	10:33:29	0	0	0
120	11/7/2017	10:34:29	0	0	0
121	11/7/2017	10:35:29	0	0	0
122	11/7/2017	10:36:29	0	0	0
123	11/7/2017	10:37:29	0	0	0
124	11/7/2017	10:38:29	0	0	0
125	11/7/2017	10:39:29	0	0	0
126	11/7/2017	10:40:29	0	0	0
127	11/7/2017	10:41:29	0	0	0
128	11/7/2017	10:42:29	0	0	0
129	11/7/2017	10:43:29	0	0	0

				Pine_16464_20180226		
130	11/7/2017	10:44:29	0	0	0	
131	11/7/2017	10:45:29	0	0	0	
132	11/7/2017	10:46:29	0	0	0	
133	11/7/2017	10:47:29	0	0	0	
134	11/7/2017	10:48:29	0	0	0	
135	11/7/2017	10:49:29	0	0	4	
136	11/7/2017	10:50:29	0	0	0	
137	11/7/2017	10:51:29	0	0	0	
138	11/7/2017	10:52:29	0	0	0	
139	11/7/2017	10:53:29	0	0	0	
140	11/7/2017	10:54:29	0	0	0	
141	11/7/2017	10:55:29	0	0	0	
142	11/7/2017	10:56:29	0	0	0	
143	11/7/2017	10:57:29	0	0	0	
144	11/7/2017	10:58:29	0	0	0	
145	11/7/2017	10:59:29	0	0	0	
146	11/7/2017	11:00:29	0	0	0	
147	11/7/2017	11:01:29	0	0	0	
148	11/7/2017	11:02:29	0	0	0	
149	11/7/2017	11:03:29	0	0	0	
150	11/7/2017	11:04:29	0	0	0	
151	11/7/2017	11:05:29	0	0	0	
152	11/7/2017	11:06:29	0	0	0	
153	11/7/2017	11:07:29	0	0	0	
154	11/7/2017	11:08:29	0	0	0	
155	11/7/2017	11:09:29	0	0	0	
156	11/7/2017	11:10:29	0	0	0	
157	11/7/2017	11:11:29	0	0	0	
158	11/7/2017	11:12:29	0	0	0	
159	11/7/2017	11:13:29	0	0	0	
160	11/7/2017	11:14:29	0	1	30	
161	11/7/2017	11:15:29	0	2	30	
162	11/7/2017	11:16:29	0	0	0	
163	11/7/2017	11:17:29	0	0	0	
164	11/7/2017	11:18:29	0	0	0	
165	11/7/2017	11:19:29	0	0	0	
166	11/7/2017	11:20:29	0	0	0	
167	11/7/2017	11:21:29	0	0	0	
Peak	0	2	30			
Min	0	0	0			
Average	0	0	0			

=====

17/11/09 08:26

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

```

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

```

Site ID 00000056

User ID 00000001

```

-----
Begin   11/9/2017 08:26:37
End     11/9/2017 16:22:21
Sample Period(s)      60
Number of Records     475
-----

```

```

-----
Sensor  VOC(ppb)
Span    100000
Span 2  N/A
Low Alarm    50000
High Alarm   100000
Over Alarm   1500000
STEL Alarm   25000
TWA Alarm    100000
Measurement Gas Isobutylene
Calibration Time    10/19/2017 13:11
Peak    N/A
Min     N/A
Average N/A
-----

```

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)
001	11/9/2017 08:27:37	0	0	0
002	11/9/2017 08:28:37	0	0	0
003	11/9/2017 08:29:37	0	0	0
004	11/9/2017 08:30:37	0	0	0
005	11/9/2017 08:31:37	0	0	0
006	11/9/2017 08:32:37	0	0	0
007	11/9/2017 08:33:37	0	0	0
008	11/9/2017 08:34:37	0	0	0
009	11/9/2017 08:35:37	0	0	0
010	11/9/2017 08:36:37	0	0	0
011	11/9/2017 08:37:37	0	0	0
012	11/9/2017 08:38:37	0	0	0

			Pine_16464_20180226		
013	11/9/2017	08:39:37	0	0	0
014	11/9/2017	08:40:37	0	0	0
015	11/9/2017	08:41:37	0	0	0
016	11/9/2017	08:42:37	0	0	0
017	11/9/2017	08:43:37	0	0	0
018	11/9/2017	08:44:37	0	0	0
019	11/9/2017	08:45:37	0	0	0
020	11/9/2017	08:46:37	0	0	0
021	11/9/2017	08:47:37	0	0	0
022	11/9/2017	08:48:37	0	0	0
023	11/9/2017	08:49:37	0	0	0
024	11/9/2017	08:50:37	0	0	0
025	11/9/2017	08:51:37	0	0	0
026	11/9/2017	08:52:37	0	0	0
027	11/9/2017	08:53:37	0	0	0
028	11/9/2017	08:54:37	0	0	0
029	11/9/2017	08:55:37	0	0	0
030	11/9/2017	08:56:37	0	0	0
031	11/9/2017	08:57:37	0	0	0
032	11/9/2017	08:58:37	0	0	0
033	11/9/2017	08:59:37	0	0	0
034	11/9/2017	09:00:37	0	0	0
035	11/9/2017	09:01:37	0	0	0
036	11/9/2017	09:02:37	0	0	0
037	11/9/2017	09:03:37	0	0	0
038	11/9/2017	09:04:37	0	0	0
039	11/9/2017	09:05:37	0	0	0
040	11/9/2017	09:06:37	0	0	0
041	11/9/2017	09:07:37	0	0	0
042	11/9/2017	09:08:37	0	0	0
043	11/9/2017	09:09:37	0	0	0
044	11/9/2017	09:10:37	0	0	0
045	11/9/2017	09:11:37	0	0	0
046	11/9/2017	09:12:37	0	0	0
047	11/9/2017	09:13:37	0	0	0
048	11/9/2017	09:14:37	0	0	0
049	11/9/2017	09:15:37	0	0	0
050	11/9/2017	09:16:37	0	0	0
051	11/9/2017	09:17:37	0	0	0
052	11/9/2017	09:18:37	0	0	0
053	11/9/2017	09:19:37	0	0	0
054	11/9/2017	09:20:37	0	0	0
055	11/9/2017	09:21:37	0	0	0
056	11/9/2017	09:22:37	0	0	0
057	11/9/2017	09:23:37	0	0	0
058	11/9/2017	09:24:37	0	0	0
059	11/9/2017	09:25:37	0	0	0
060	11/9/2017	09:26:37	0	0	0

			Pine_16464_20180226		
061	11/9/2017	09:27:37	0	0	0
062	11/9/2017	09:28:37	0	0	0
063	11/9/2017	09:29:37	0	0	0
064	11/9/2017	09:30:37	0	0	0
065	11/9/2017	09:31:37	0	0	0
066	11/9/2017	09:32:37	0	0	0
067	11/9/2017	09:33:37	0	0	0
068	11/9/2017	09:34:37	0	0	0
069	11/9/2017	09:35:37	0	0	0
070	11/9/2017	09:36:37	0	0	0
071	11/9/2017	09:37:37	0	0	0
072	11/9/2017	09:38:37	0	0	0
073	11/9/2017	09:39:37	0	0	0
074	11/9/2017	09:40:37	0	0	0
075	11/9/2017	09:41:37	0	0	0
076	11/9/2017	09:42:37	0	0	0
077	11/9/2017	09:43:37	0	0	0
078	11/9/2017	09:44:37	0	0	0
079	11/9/2017	09:45:37	0	0	0
080	11/9/2017	09:46:37	0	0	0
081	11/9/2017	09:47:37	0	0	0
082	11/9/2017	09:48:37	0	0	0
083	11/9/2017	09:49:37	0	0	0
084	11/9/2017	09:50:37	0	0	0
085	11/9/2017	09:51:37	0	0	0
086	11/9/2017	09:52:37	0	0	0
087	11/9/2017	09:53:37	0	0	0
088	11/9/2017	09:54:37	0	0	0
089	11/9/2017	09:55:37	0	0	0
090	11/9/2017	09:56:37	0	0	0
091	11/9/2017	09:57:37	0	0	0
092	11/9/2017	09:58:37	0	0	0
093	11/9/2017	09:59:37	0	0	0
094	11/9/2017	10:00:37	0	0	0
095	11/9/2017	10:01:37	0	0	0
096	11/9/2017	10:02:37	0	0	0
097	11/9/2017	10:03:37	0	0	0
098	11/9/2017	10:04:37	0	0	0
099	11/9/2017	10:05:37	0	0	0
100	11/9/2017	10:06:37	0	0	0
101	11/9/2017	10:07:37	0	0	0
102	11/9/2017	10:08:37	0	0	0
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104	11/9/2017	10:10:37	0	0	0
105	11/9/2017	10:11:37	0	0	0
106	11/9/2017	10:12:37	0	0	0
107	11/9/2017	10:13:37	0	0	0
108	11/9/2017	10:14:37	0	0	0

			Pine_16464_20180226		
109	11/9/2017	10:15:37	0	0	0
110	11/9/2017	10:16:37	0	0	0
111	11/9/2017	10:17:37	0	0	0
112	11/9/2017	10:18:37	0	0	0
113	11/9/2017	10:19:37	0	0	0
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121	11/9/2017	10:27:37	0	0	0
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123	11/9/2017	10:29:37	0	0	0
124	11/9/2017	10:30:37	0	0	0
125	11/9/2017	10:31:37	0	0	0
126	11/9/2017	10:32:37	0	0	0
127	11/9/2017	10:33:37	0	0	0
128	11/9/2017	10:34:37	0	0	0
129	11/9/2017	10:35:37	0	0	0
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132	11/9/2017	10:38:37	0	0	0
133	11/9/2017	10:39:37	0	0	0
134	11/9/2017	10:40:37	0	0	0
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136	11/9/2017	10:42:37	0	0	0
137	11/9/2017	10:43:37	0	0	0
138	11/9/2017	10:44:37	0	0	0
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141	11/9/2017	10:47:37	0	0	0
142	11/9/2017	10:48:37	0	0	0
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151	11/9/2017	10:57:37	0	0	0
152	11/9/2017	10:58:37	0	0	0
153	11/9/2017	10:59:37	0	0	0
154	11/9/2017	11:00:37	0	0	0
155	11/9/2017	11:01:37	0	0	0
156	11/9/2017	11:02:37	0	0	0

			Pine_16464_20180226		
157	11/9/2017	11:03:37	0	0	0
158	11/9/2017	11:04:37	0	0	0
159	11/9/2017	11:05:37	0	0	0
160	11/9/2017	11:06:37	0	0	0
161	11/9/2017	11:07:37	0	0	0
162	11/9/2017	11:08:37	0	0	0
163	11/9/2017	11:09:37	0	0	0
164	11/9/2017	11:10:37	0	0	0
165	11/9/2017	11:11:37	0	0	0
166	11/9/2017	11:12:37	0	0	0
167	11/9/2017	11:13:37	0	0	0
168	11/9/2017	11:14:37	0	0	0
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170	11/9/2017	11:16:37	0	0	0
171	11/9/2017	11:17:37	0	0	0
172	11/9/2017	11:18:37	0	0	0
173	11/9/2017	11:19:37	0	0	0
174	11/9/2017	11:20:37	0	0	0
175	11/9/2017	11:21:37	0	0	0
176	11/9/2017	11:22:37	0	0	0
177	11/9/2017	11:23:37	0	0	0
178	11/9/2017	11:24:37	0	0	0
179	11/9/2017	11:25:37	0	0	0
180	11/9/2017	11:26:37	0	0	0
181	11/9/2017	11:27:37	0	0	0
182	11/9/2017	11:28:37	0	0	0
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184	11/9/2017	11:30:37	0	0	0
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186	11/9/2017	11:32:37	0	0	0
187	11/9/2017	11:33:37	0	0	0
188	11/9/2017	11:34:37	0	0	0
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190	11/9/2017	11:36:37	0	0	0
191	11/9/2017	11:37:37	0	0	0
192	11/9/2017	11:38:37	0	0	0
193	11/9/2017	11:39:37	0	0	0
194	11/9/2017	11:40:37	0	0	0
195	11/9/2017	11:41:37	0	0	0
196	11/9/2017	11:42:37	0	0	0
197	11/9/2017	11:43:37	0	0	0
198	11/9/2017	11:44:37	0	0	0
199	11/9/2017	11:45:37	0	0	0
200	11/9/2017	11:46:37	0	0	0
201	11/9/2017	11:47:37	0	0	0
202	11/9/2017	11:48:37	0	0	0
203	11/9/2017	11:49:37	0	0	0
204	11/9/2017	11:50:37	0	0	0

			Pine_16464_20180226		
205	11/9/2017	11:51:37	0	0	0
206	11/9/2017	11:52:37	0	0	0
207	11/9/2017	11:53:37	0	0	0
208	11/9/2017	11:54:37	0	0	0
209	11/9/2017	11:55:37	0	0	0
210	11/9/2017	11:56:37	0	0	0
211	11/9/2017	11:57:37	0	0	0
212	11/9/2017	11:58:37	0	0	0
213	11/9/2017	11:59:37	0	0	0
214	11/9/2017	12:00:37	0	0	0
215	11/9/2017	12:01:37	0	0	0
216	11/9/2017	12:02:37	0	0	0
217	11/9/2017	12:03:37	0	0	0
218	11/9/2017	12:04:37	0	0	0
219	11/9/2017	12:05:37	0	0	0
220	11/9/2017	12:06:37	0	0	0
221	11/9/2017	12:07:37	0	0	0
222	11/9/2017	12:08:37	0	0	0
223	11/9/2017	12:09:37	0	0	0
224	11/9/2017	12:10:37	0	0	0
225	11/9/2017	12:11:37	0	0	0
226	11/9/2017	12:12:37	0	0	0
227	11/9/2017	12:13:37	0	0	0
228	11/9/2017	12:14:37	0	0	0
229	11/9/2017	12:15:37	0	0	0
230	11/9/2017	12:16:37	0	0	0
231	11/9/2017	12:17:37	0	0	0
232	11/9/2017	12:18:37	0	0	0
233	11/9/2017	12:19:37	0	0	0
234	11/9/2017	12:20:37	0	0	0
235	11/9/2017	12:21:37	0	0	0
236	11/9/2017	12:22:37	0	0	0
237	11/9/2017	12:23:37	0	0	0
238	11/9/2017	12:24:37	0	0	0
239	11/9/2017	12:25:37	0	0	0
240	11/9/2017	12:26:37	0	0	0
241	11/9/2017	12:27:37	0	0	0
242	11/9/2017	12:28:37	0	0	0
243	11/9/2017	12:29:37	0	0	0
244	11/9/2017	12:30:37	0	0	0
245	11/9/2017	12:31:37	0	0	0
246	11/9/2017	12:32:37	0	0	0
247	11/9/2017	12:33:37	0	0	0
248	11/9/2017	12:34:37	0	0	0
249	11/9/2017	12:35:37	0	0	0
250	11/9/2017	12:36:37	0	0	0
251	11/9/2017	12:37:37	0	0	0
252	11/9/2017	12:38:37	0	0	0

			Pine_16464_20180226		
253	11/9/2017	12:39:37	0	0	0
254	11/9/2017	12:40:37	0	0	0
255	11/9/2017	12:41:37	0	0	0
256	11/9/2017	12:42:37	0	0	0
257	11/9/2017	12:43:37	0	0	0
258	11/9/2017	12:44:37	0	0	0
259	11/9/2017	12:45:37	0	0	0
260	11/9/2017	12:46:37	0	0	0
261	11/9/2017	12:47:37	0	0	0
262	11/9/2017	12:48:37	0	0	0
263	11/9/2017	12:49:37	0	0	0
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265	11/9/2017	12:51:37	0	0	0
266	11/9/2017	12:52:37	0	0	0
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269	11/9/2017	12:55:37	0	0	0
270	11/9/2017	12:56:37	0	0	0
271	11/9/2017	12:57:37	0	0	0
272	11/9/2017	12:58:37	0	0	0
273	11/9/2017	12:59:37	0	0	0
274	11/9/2017	13:00:37	0	0	0
275	11/9/2017	13:01:37	0	0	0
276	11/9/2017	13:02:37	0	0	0
277	11/9/2017	13:03:37	0	0	0
278	11/9/2017	13:04:37	0	0	0
279	11/9/2017	13:05:37	0	0	0
280	11/9/2017	13:06:37	0	0	0
281	11/9/2017	13:07:37	0	0	0
282	11/9/2017	13:08:37	0	0	0
283	11/9/2017	13:09:37	0	0	0
284	11/9/2017	13:10:37	0	0	0
285	11/9/2017	13:11:37	0	0	0
286	11/9/2017	13:12:37	0	0	0
287	11/9/2017	13:13:37	0	0	0
288	11/9/2017	13:14:37	0	0	0
289	11/9/2017	13:15:37	0	0	0
290	11/9/2017	13:16:37	0	0	0
291	11/9/2017	13:17:37	0	0	0
292	11/9/2017	13:18:37	0	0	0
293	11/9/2017	13:19:37	0	0	0
294	11/9/2017	13:20:37	0	0	0
295	11/9/2017	13:21:37	0	0	0
296	11/9/2017	13:22:37	0	0	0
297	11/9/2017	13:23:37	0	0	0
298	11/9/2017	13:24:37	0	0	0
299	11/9/2017	13:25:37	0	0	0
300	11/9/2017	13:26:37	0	0	0

			Pine_16464_20180226		
301	11/9/2017	13:27:37	0	0	0
302	11/9/2017	13:28:37	0	0	0
303	11/9/2017	13:29:37	0	0	0
304	11/9/2017	13:30:37	0	0	0
305	11/9/2017	13:31:37	0	0	0
306	11/9/2017	13:32:37	0	0	0
307	11/9/2017	13:33:37	0	0	0
308	11/9/2017	13:34:37	0	0	0
309	11/9/2017	13:35:37	0	0	0
310	11/9/2017	13:36:37	0	0	0
311	11/9/2017	13:37:37	0	0	0
312	11/9/2017	13:38:37	0	0	0
313	11/9/2017	13:39:37	0	0	0
314	11/9/2017	13:40:37	0	0	0
315	11/9/2017	13:41:37	0	0	0
316	11/9/2017	13:42:37	0	0	0
317	11/9/2017	13:43:37	0	0	0
318	11/9/2017	13:44:37	0	0	0
319	11/9/2017	13:45:37	0	0	0
320	11/9/2017	13:46:37	0	0	0
321	11/9/2017	13:47:37	0	0	0
322	11/9/2017	13:48:37	0	0	0
323	11/9/2017	13:49:37	0	0	0
324	11/9/2017	13:50:37	0	0	0
325	11/9/2017	13:51:37	0	0	0
326	11/9/2017	13:52:37	0	0	0
327	11/9/2017	13:53:37	0	0	0
328	11/9/2017	13:54:37	0	0	0
329	11/9/2017	13:55:37	0	0	0
330	11/9/2017	13:56:37	0	0	0
331	11/9/2017	13:57:37	0	0	0
332	11/9/2017	13:58:37	0	0	0
333	11/9/2017	13:59:37	0	0	0
334	11/9/2017	14:00:37	0	0	0
335	11/9/2017	14:01:37	0	0	0
336	11/9/2017	14:02:37	0	0	0
337	11/9/2017	14:03:37	0	0	0
338	11/9/2017	14:04:37	0	0	0
339	11/9/2017	14:05:37	0	0	0
340	11/9/2017	14:06:37	0	0	0
341	11/9/2017	14:07:37	0	0	0
342	11/9/2017	14:08:37	0	0	0
343	11/9/2017	14:09:37	0	0	0
344	11/9/2017	14:10:37	0	0	0
345	11/9/2017	14:11:37	0	0	0
346	11/9/2017	14:12:37	0	0	0
347	11/9/2017	14:13:37	0	0	0
348	11/9/2017	14:14:37	0	0	0

			Pine_16464_20180226		
349	11/9/2017	14:15:37	0	0	0
350	11/9/2017	14:16:37	0	0	0
351	11/9/2017	14:17:37	0	0	0
352	11/9/2017	14:18:37	0	0	0
353	11/9/2017	14:19:37	0	0	0
354	11/9/2017	14:20:37	0	0	0
355	11/9/2017	14:21:37	0	0	0
356	11/9/2017	14:22:37	0	0	0
357	11/9/2017	14:23:37	0	0	0
358	11/9/2017	14:24:37	0	0	0
359	11/9/2017	14:25:37	0	0	0
360	11/9/2017	14:26:37	0	0	0
361	11/9/2017	14:27:37	0	0	0
362	11/9/2017	14:28:37	0	0	0
363	11/9/2017	14:29:37	0	0	0
364	11/9/2017	14:30:37	0	0	0
365	11/9/2017	14:31:37	0	0	0
366	11/9/2017	14:32:37	0	0	0
367	11/9/2017	14:33:37	0	0	0
368	11/9/2017	14:34:37	0	0	0
369	11/9/2017	14:35:37	0	0	0
370	11/9/2017	14:36:37	0	0	0
371	11/9/2017	14:37:37	0	0	0
372	11/9/2017	14:38:37	0	0	0
373	11/9/2017	14:39:37	0	0	0
374	11/9/2017	14:40:37	0	0	0
375	11/9/2017	14:41:37	0	0	0
376	11/9/2017	14:42:37	0	0	0
377	11/9/2017	14:43:37	0	0	0
378	11/9/2017	14:44:37	0	0	14
379	11/9/2017	14:45:37	0	0	0
380	11/9/2017	14:46:37	0	0	0
381	11/9/2017	14:47:37	0	0	0
382	11/9/2017	14:48:37	0	0	0
383	11/9/2017	14:49:37	0	0	0
384	11/9/2017	14:50:37	0	0	0
385	11/9/2017	14:51:37	0	0	0
386	11/9/2017	14:52:37	0	0	0
387	11/9/2017	14:53:37	0	0	0
388	11/9/2017	14:54:37	0	0	0
389	11/9/2017	14:55:37	0	0	0
390	11/9/2017	14:56:37	0	0	0
391	11/9/2017	14:57:37	0	0	0
392	11/9/2017	14:58:37	0	0	0
393	11/9/2017	14:59:37	0	0	0
394	11/9/2017	15:00:37	0	0	0
395	11/9/2017	15:01:37	0	0	0
396	11/9/2017	15:02:37	0	0	0

			Pine_16464_20180226		
397	11/9/2017	15:03:37	0	0	0
398	11/9/2017	15:04:37	0	0	0
399	11/9/2017	15:05:37	0	0	0
400	11/9/2017	15:06:37	0	0	0
401	11/9/2017	15:07:37	0	0	0
402	11/9/2017	15:08:37	0	0	0
403	11/9/2017	15:09:37	0	0	0
404	11/9/2017	15:10:37	0	0	0
405	11/9/2017	15:11:37	0	0	0
406	11/9/2017	15:12:37	0	0	0
407	11/9/2017	15:13:37	0	0	0
408	11/9/2017	15:14:37	0	0	0
409	11/9/2017	15:15:37	0	0	0
410	11/9/2017	15:16:37	0	0	0
411	11/9/2017	15:17:37	0	0	0
412	11/9/2017	15:18:37	0	0	0
413	11/9/2017	15:19:37	0	0	0
414	11/9/2017	15:20:37	0	0	0
415	11/9/2017	15:21:37	0	0	0
416	11/9/2017	15:22:37	0	0	0
417	11/9/2017	15:23:37	0	0	0
418	11/9/2017	15:24:37	0	0	0
419	11/9/2017	15:25:37	0	0	0
420	11/9/2017	15:26:37	0	0	0
421	11/9/2017	15:27:37	0	0	0
422	11/9/2017	15:28:37	0	0	0
423	11/9/2017	15:29:37	0	0	0
424	11/9/2017	15:30:37	0	0	0
425	11/9/2017	15:31:37	0	0	0
426	11/9/2017	15:32:37	0	0	0
427	11/9/2017	15:33:37	0	0	0
428	11/9/2017	15:34:37	0	0	0
429	11/9/2017	15:35:37	0	0	0
430	11/9/2017	15:36:37	0	0	0
431	11/9/2017	15:37:37	0	0	0
432	11/9/2017	15:38:37	0	0	0
433	11/9/2017	15:39:37	0	0	0
434	11/9/2017	15:40:37	0	0	0
435	11/9/2017	15:41:37	0	0	0
436	11/9/2017	15:42:37	0	0	0
437	11/9/2017	15:43:37	0	0	0
438	11/9/2017	15:44:37	0	0	0
439	11/9/2017	15:45:37	0	0	0
440	11/9/2017	15:46:37	0	0	0
441	11/9/2017	15:47:37	0	0	0
442	11/9/2017	15:48:37	0	0	0
443	11/9/2017	15:49:37	0	0	0
444	11/9/2017	15:50:37	0	0	0

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Pine_16464_20180226
445      11/9/2017 15:51:37      0      0      0
446      11/9/2017 15:52:37      0      0      0
447      11/9/2017 15:53:37      0      0      0
448      11/9/2017 15:54:37      0      0      0
449      11/9/2017 15:55:37      0      0      0
450      11/9/2017 15:56:37      0      0      0
451      11/9/2017 15:57:37      0      0      0
452      11/9/2017 15:58:37      0      0      0
453      11/9/2017 15:59:37      0      0      0
454      11/9/2017 16:00:37      0      0      0
455      11/9/2017 16:01:37      0      0      0
456      11/9/2017 16:02:37      0      0      0
457      11/9/2017 16:03:37      0      0      0
458      11/9/2017 16:04:37      0      0      0
459      11/9/2017 16:05:37      0      0      0
460      11/9/2017 16:06:37      0      0      0
461      11/9/2017 16:07:37      0      0      0
462      11/9/2017 16:08:37      0      0      0
463      11/9/2017 16:09:37      0      0      0
464      11/9/2017 16:10:37      0      0      0
465      11/9/2017 16:11:37      0      0      0
466      11/9/2017 16:12:37      0      0      0
467      11/9/2017 16:13:37      0      0      0
468      11/9/2017 16:14:37      0      0      0
469      11/9/2017 16:15:37      0      0      0
470      11/9/2017 16:16:37      0      0      0
471      11/9/2017 16:17:37      0      0      0
472      11/9/2017 16:18:37      0      0      0
473      11/9/2017 16:19:37      0      30      371
474      11/9/2017 16:20:37      0      8      529
475      11/9/2017 16:21:37      0      88      1012
Peak                0      88      1012
Min                 0      0      0
Average            0      0      4

```

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17/11/13 08:50

Summary

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-----
Unit Name      MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver      V1.20B
-----

```

```

Running Mode    Hygiene Mode
Measure Type    Min; Avg; Max
Datalog Mode    Continuous
Datalog Type    Auto

```

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056User ID 00000001

Begin 11/13/2017 08:50:54

End 11/13/2017 16:04:56

Sample Period(s) 60

Number of Records 434

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

TWA Alarm 100000

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Peak N/A

Min N/A

Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)
001	11/13/2017 08:51:54	0	0	0
002	11/13/2017 08:52:54	0	0	0
003	11/13/2017 08:53:54	0	0	0
004	11/13/2017 08:54:54	0	0	0
005	11/13/2017 08:55:54	0	0	0
006	11/13/2017 08:56:54	0	0	0
007	11/13/2017 08:57:54	0	0	0
008	11/13/2017 08:58:54	0	0	0
009	11/13/2017 08:59:54	0	0	0
010	11/13/2017 09:00:54	0	0	0
011	11/13/2017 09:01:54	0	0	0
012	11/13/2017 09:02:54	0	0	0
013	11/13/2017 09:03:54	0	0	0
014	11/13/2017 09:04:54	0	0	0
015	11/13/2017 09:05:54	0	0	0
016	11/13/2017 09:06:54	0	0	0
017	11/13/2017 09:07:54	0	0	0
018	11/13/2017 09:08:54	0	0	0
019	11/13/2017 09:09:54	0	0	0

			Pine_16464_20180226		
020	11/13/2017	09:10:54	0	0	0
021	11/13/2017	09:11:54	0	0	0
022	11/13/2017	09:12:54	0	0	0
023	11/13/2017	09:13:54	0	0	0
024	11/13/2017	09:14:54	0	0	0
025	11/13/2017	09:15:54	0	0	0
026	11/13/2017	09:16:54	0	0	0
027	11/13/2017	09:17:54	0	0	0
028	11/13/2017	09:18:54	0	0	0
029	11/13/2017	09:19:54	0	0	0
030	11/13/2017	09:20:54	0	0	0
031	11/13/2017	09:21:54	0	0	0
032	11/13/2017	09:22:54	0	0	0
033	11/13/2017	09:23:54	0	0	0
034	11/13/2017	09:24:54	0	0	0
035	11/13/2017	09:25:54	0	0	0
036	11/13/2017	09:26:54	0	0	0
037	11/13/2017	09:27:54	0	0	0
038	11/13/2017	09:28:54	0	0	0
039	11/13/2017	09:29:54	0	0	0
040	11/13/2017	09:30:54	0	0	0
041	11/13/2017	09:31:54	0	0	0
042	11/13/2017	09:32:54	0	0	0
043	11/13/2017	09:33:54	0	0	0
044	11/13/2017	09:34:54	0	0	0
045	11/13/2017	09:35:54	0	0	0
046	11/13/2017	09:36:54	0	0	0
047	11/13/2017	09:37:54	0	0	0
048	11/13/2017	09:38:54	0	0	0
049	11/13/2017	09:39:54	0	0	0
050	11/13/2017	09:40:54	0	0	0
051	11/13/2017	09:41:54	0	0	0
052	11/13/2017	09:42:54	0	0	0
053	11/13/2017	09:43:54	0	0	0
054	11/13/2017	09:44:54	0	0	0
055	11/13/2017	09:45:54	0	0	0
056	11/13/2017	09:46:54	0	0	0
057	11/13/2017	09:47:54	0	0	0
058	11/13/2017	09:48:54	0	0	0
059	11/13/2017	09:49:54	0	0	0
060	11/13/2017	09:50:54	0	0	0
061	11/13/2017	09:51:54	0	0	0
062	11/13/2017	09:52:54	0	0	0
063	11/13/2017	09:53:54	0	0	0
064	11/13/2017	09:54:54	0	0	0
065	11/13/2017	09:55:54	0	0	0
066	11/13/2017	09:56:54	0	0	0
067	11/13/2017	09:57:54	0	0	0

			Pine_16464_20180226		
068	11/13/2017	09:58:54	0	0	0
069	11/13/2017	09:59:54	0	0	0
070	11/13/2017	10:00:54	0	0	0
071	11/13/2017	10:01:54	0	0	0
072	11/13/2017	10:02:54	0	0	0
073	11/13/2017	10:03:54	0	0	0
074	11/13/2017	10:04:54	0	0	0
075	11/13/2017	10:05:54	0	0	0
076	11/13/2017	10:06:54	0	0	0
077	11/13/2017	10:07:54	0	0	0
078	11/13/2017	10:08:54	0	0	0
079	11/13/2017	10:09:54	0	0	0
080	11/13/2017	10:10:54	0	0	0
081	11/13/2017	10:11:54	0	0	0
082	11/13/2017	10:12:54	0	0	0
083	11/13/2017	10:13:54	0	0	0
084	11/13/2017	10:14:54	0	0	0
085	11/13/2017	10:15:54	0	0	0
086	11/13/2017	10:16:54	0	0	0
087	11/13/2017	10:17:54	0	0	0
088	11/13/2017	10:18:54	0	0	0
089	11/13/2017	10:19:54	0	0	0
090	11/13/2017	10:20:54	0	0	0
091	11/13/2017	10:21:54	0	0	0
092	11/13/2017	10:22:54	0	0	0
093	11/13/2017	10:23:54	0	0	0
094	11/13/2017	10:24:54	0	0	0
095	11/13/2017	10:25:54	0	0	0
096	11/13/2017	10:26:54	0	0	0
097	11/13/2017	10:27:54	0	0	0
098	11/13/2017	10:28:54	0	0	0
099	11/13/2017	10:29:54	0	0	0
100	11/13/2017	10:30:54	0	0	0
101	11/13/2017	10:31:54	0	0	0
102	11/13/2017	10:32:54	0	0	0
103	11/13/2017	10:33:54	0	0	0
104	11/13/2017	10:34:54	0	0	0
105	11/13/2017	10:35:54	0	0	0
106	11/13/2017	10:36:54	0	0	0
107	11/13/2017	10:37:54	0	0	0
108	11/13/2017	10:38:54	0	0	0
109	11/13/2017	10:39:54	0	0	0
110	11/13/2017	10:40:54	0	0	0
111	11/13/2017	10:41:54	0	0	0
112	11/13/2017	10:42:54	0	0	0
113	11/13/2017	10:43:54	0	0	0
114	11/13/2017	10:44:54	0	0	0
115	11/13/2017	10:45:54	0	0	0

			Pine_16464_20180226		
116	11/13/2017	10:46:54	0	0	0
117	11/13/2017	10:47:54	0	0	0
118	11/13/2017	10:48:54	0	0	0
119	11/13/2017	10:49:54	0	0	0
120	11/13/2017	10:50:54	0	0	0
121	11/13/2017	10:51:54	0	0	0
122	11/13/2017	10:52:54	0	0	0
123	11/13/2017	10:53:54	0	0	0
124	11/13/2017	10:54:54	0	0	0
125	11/13/2017	10:55:54	0	0	0
126	11/13/2017	10:56:54	0	0	0
127	11/13/2017	10:57:54	0	0	0
128	11/13/2017	10:58:54	0	0	0
129	11/13/2017	10:59:54	0	0	0
130	11/13/2017	11:00:54	0	0	0
131	11/13/2017	11:01:54	0	0	0
132	11/13/2017	11:02:54	0	0	0
133	11/13/2017	11:03:54	0	0	0
134	11/13/2017	11:04:54	0	0	0
135	11/13/2017	11:05:54	0	0	0
136	11/13/2017	11:06:54	0	0	0
137	11/13/2017	11:07:54	0	0	0
138	11/13/2017	11:08:54	0	0	0
139	11/13/2017	11:09:54	0	0	0
140	11/13/2017	11:10:54	0	0	0
141	11/13/2017	11:11:54	0	0	0
142	11/13/2017	11:12:54	0	0	0
143	11/13/2017	11:13:54	0	0	0
144	11/13/2017	11:14:54	0	0	0
145	11/13/2017	11:15:54	0	0	0
146	11/13/2017	11:16:54	0	0	0
147	11/13/2017	11:17:54	0	0	0
148	11/13/2017	11:18:54	0	0	0
149	11/13/2017	11:19:54	0	0	0
150	11/13/2017	11:20:54	0	0	0
151	11/13/2017	11:21:54	0	0	0
152	11/13/2017	11:22:54	0	0	0
153	11/13/2017	11:23:54	0	0	0
154	11/13/2017	11:24:54	0	0	0
155	11/13/2017	11:25:54	0	0	0
156	11/13/2017	11:26:54	0	0	0
157	11/13/2017	11:27:54	0	0	0
158	11/13/2017	11:28:54	0	0	0
159	11/13/2017	11:29:54	0	0	0
160	11/13/2017	11:30:54	0	0	0
161	11/13/2017	11:31:54	0	0	0
162	11/13/2017	11:32:54	0	0	0
163	11/13/2017	11:33:54	0	0	0

			Pine_16464_20180226		
164	11/13/2017	11:34:54	0	0	0
165	11/13/2017	11:35:54	0	0	0
166	11/13/2017	11:36:54	0	0	0
167	11/13/2017	11:37:54	0	0	0
168	11/13/2017	11:38:54	0	0	0
169	11/13/2017	11:39:54	0	0	0
170	11/13/2017	11:40:54	0	0	0
171	11/13/2017	11:41:54	0	0	0
172	11/13/2017	11:42:54	0	0	0
173	11/13/2017	11:43:54	0	0	0
174	11/13/2017	11:44:54	0	0	0
175	11/13/2017	11:45:54	0	0	0
176	11/13/2017	11:46:54	0	0	0
177	11/13/2017	11:47:54	0	0	0
178	11/13/2017	11:48:54	0	0	0
179	11/13/2017	11:49:54	0	0	0
180	11/13/2017	11:50:54	0	0	0
181	11/13/2017	11:51:54	0	0	0
182	11/13/2017	11:52:54	0	0	0
183	11/13/2017	11:53:54	0	0	0
184	11/13/2017	11:54:54	0	0	0
185	11/13/2017	11:55:54	0	0	0
186	11/13/2017	11:56:54	0	0	0
187	11/13/2017	11:57:54	0	0	0
188	11/13/2017	11:58:54	0	0	0
189	11/13/2017	11:59:54	0	0	0
190	11/13/2017	12:00:54	0	0	0
191	11/13/2017	12:01:54	0	0	0
192	11/13/2017	12:02:54	0	0	0
193	11/13/2017	12:03:54	0	0	0
194	11/13/2017	12:04:54	0	0	0
195	11/13/2017	12:05:54	0	0	0
196	11/13/2017	12:06:54	0	0	0
197	11/13/2017	12:07:54	0	0	0
198	11/13/2017	12:08:54	0	0	0
199	11/13/2017	12:09:54	0	0	0
200	11/13/2017	12:10:54	0	0	0
201	11/13/2017	12:11:54	0	0	0
202	11/13/2017	12:12:54	0	0	0
203	11/13/2017	12:13:54	0	0	0
204	11/13/2017	12:14:54	0	0	0
205	11/13/2017	12:15:54	0	0	0
206	11/13/2017	12:16:54	0	0	0
207	11/13/2017	12:17:54	0	0	0
208	11/13/2017	12:18:54	0	0	0
209	11/13/2017	12:19:54	0	0	0
210	11/13/2017	12:20:54	0	0	0
211	11/13/2017	12:21:54	0	0	0

			Pine_16464_20180226		
212	11/13/2017	12:22:54	0	0	0
213	11/13/2017	12:23:54	0	0	0
214	11/13/2017	12:24:54	0	0	0
215	11/13/2017	12:25:54	0	0	0
216	11/13/2017	12:26:54	0	0	0
217	11/13/2017	12:27:54	0	0	0
218	11/13/2017	12:28:54	0	0	0
219	11/13/2017	12:29:54	0	0	0
220	11/13/2017	12:30:54	0	0	0
221	11/13/2017	12:31:54	0	0	0
222	11/13/2017	12:32:54	0	0	0
223	11/13/2017	12:33:54	0	0	0
224	11/13/2017	12:34:54	0	0	0
225	11/13/2017	12:35:54	0	0	0
226	11/13/2017	12:36:54	0	0	0
227	11/13/2017	12:37:54	0	0	0
228	11/13/2017	12:38:54	0	0	0
229	11/13/2017	12:39:54	0	0	0
230	11/13/2017	12:40:54	0	0	0
231	11/13/2017	12:41:54	0	0	0
232	11/13/2017	12:42:54	0	0	0
233	11/13/2017	12:43:54	0	0	0
234	11/13/2017	12:44:54	0	0	0
235	11/13/2017	12:45:54	0	0	0
236	11/13/2017	12:46:54	0	0	0
237	11/13/2017	12:47:54	0	0	0
238	11/13/2017	12:48:54	0	0	0
239	11/13/2017	12:49:54	0	0	0
240	11/13/2017	12:50:54	0	0	0
241	11/13/2017	12:51:54	0	0	0
242	11/13/2017	12:52:54	0	0	0
243	11/13/2017	12:53:54	0	0	0
244	11/13/2017	12:54:54	0	0	0
245	11/13/2017	12:55:54	0	0	0
246	11/13/2017	12:56:54	0	0	0
247	11/13/2017	12:57:54	0	0	0
248	11/13/2017	12:58:54	0	0	0
249	11/13/2017	12:59:54	0	0	0
250	11/13/2017	13:00:54	0	0	0
251	11/13/2017	13:01:54	0	0	0
252	11/13/2017	13:02:54	0	0	0
253	11/13/2017	13:03:54	0	0	0
254	11/13/2017	13:04:54	0	0	0
255	11/13/2017	13:05:54	0	0	0
256	11/13/2017	13:06:54	0	0	0
257	11/13/2017	13:07:54	0	0	0
258	11/13/2017	13:08:54	0	0	0
259	11/13/2017	13:09:54	0	0	0

			Pine_16464_20180226		
260	11/13/2017	13:10:54	0	0	0
261	11/13/2017	13:11:54	0	0	0
262	11/13/2017	13:12:54	0	0	0
263	11/13/2017	13:13:54	0	0	0
264	11/13/2017	13:14:54	0	0	0
265	11/13/2017	13:15:54	0	0	0
266	11/13/2017	13:16:54	0	0	0
267	11/13/2017	13:17:54	0	0	0
268	11/13/2017	13:18:54	0	0	0
269	11/13/2017	13:19:54	0	0	0
270	11/13/2017	13:20:54	0	0	0
271	11/13/2017	13:21:54	0	0	0
272	11/13/2017	13:22:54	0	0	0
273	11/13/2017	13:23:54	0	0	0
274	11/13/2017	13:24:54	0	0	0
275	11/13/2017	13:25:54	0	0	0
276	11/13/2017	13:26:54	0	0	0
277	11/13/2017	13:27:54	0	0	0
278	11/13/2017	13:28:54	0	0	0
279	11/13/2017	13:29:54	0	0	0
280	11/13/2017	13:30:54	0	0	0
281	11/13/2017	13:31:54	0	0	0
282	11/13/2017	13:32:54	0	0	0
283	11/13/2017	13:33:54	0	0	0
284	11/13/2017	13:34:54	0	0	0
285	11/13/2017	13:35:54	0	0	0
286	11/13/2017	13:36:54	0	0	0
287	11/13/2017	13:37:54	0	0	0
288	11/13/2017	13:38:54	0	0	0
289	11/13/2017	13:39:54	0	0	0
290	11/13/2017	13:40:54	0	0	0
291	11/13/2017	13:41:54	0	0	0
292	11/13/2017	13:42:54	0	0	0
293	11/13/2017	13:43:54	0	0	0
294	11/13/2017	13:44:54	0	0	0
295	11/13/2017	13:45:54	0	0	0
296	11/13/2017	13:46:54	0	0	0
297	11/13/2017	13:47:54	0	0	0
298	11/13/2017	13:48:54	0	0	0
299	11/13/2017	13:49:54	0	0	0
300	11/13/2017	13:50:54	0	0	0
301	11/13/2017	13:51:54	0	0	0
302	11/13/2017	13:52:54	0	0	0
303	11/13/2017	13:53:54	0	0	0
304	11/13/2017	13:54:54	0	0	0
305	11/13/2017	13:55:54	0	0	0
306	11/13/2017	13:56:54	0	0	0
307	11/13/2017	13:57:54	0	0	0

			Pine_16464_20180226		
308	11/13/2017	13:58:54	0	0	0
309	11/13/2017	13:59:54	0	0	0
310	11/13/2017	14:00:54	0	0	0
311	11/13/2017	14:01:54	0	0	0
312	11/13/2017	14:02:54	0	0	0
313	11/13/2017	14:03:54	0	0	0
314	11/13/2017	14:04:54	0	0	0
315	11/13/2017	14:05:54	0	0	0
316	11/13/2017	14:06:54	0	0	0
317	11/13/2017	14:07:54	0	0	0
318	11/13/2017	14:08:54	0	0	0
319	11/13/2017	14:09:54	0	0	0
320	11/13/2017	14:10:54	0	0	0
321	11/13/2017	14:11:54	0	0	0
322	11/13/2017	14:12:54	0	0	0
323	11/13/2017	14:13:54	0	0	0
324	11/13/2017	14:14:54	0	0	0
325	11/13/2017	14:15:54	0	0	0
326	11/13/2017	14:16:54	0	0	0
327	11/13/2017	14:17:54	0	0	0
328	11/13/2017	14:18:54	0	0	0
329	11/13/2017	14:19:54	0	0	0
330	11/13/2017	14:20:54	0	0	0
331	11/13/2017	14:21:54	0	0	0
332	11/13/2017	14:22:54	0	0	0
333	11/13/2017	14:23:54	0	0	0
334	11/13/2017	14:24:54	0	0	0
335	11/13/2017	14:25:54	0	0	0
336	11/13/2017	14:26:54	0	0	0
337	11/13/2017	14:27:54	0	0	0
338	11/13/2017	14:28:54	0	0	0
339	11/13/2017	14:29:54	0	0	0
340	11/13/2017	14:30:54	0	0	0
341	11/13/2017	14:31:54	0	0	0
342	11/13/2017	14:32:54	0	0	0
343	11/13/2017	14:33:54	0	0	0
344	11/13/2017	14:34:54	0	0	0
345	11/13/2017	14:35:54	0	0	0
346	11/13/2017	14:36:54	0	0	0
347	11/13/2017	14:37:54	0	0	0
348	11/13/2017	14:38:54	0	0	0
349	11/13/2017	14:39:54	0	0	0
350	11/13/2017	14:40:54	0	0	0
351	11/13/2017	14:41:54	0	0	0
352	11/13/2017	14:42:54	0	0	0
353	11/13/2017	14:43:54	0	0	0
354	11/13/2017	14:44:54	0	0	0
355	11/13/2017	14:45:54	0	0	0

			Pine_16464_20180226		
356	11/13/2017	14:46:54	0	0	0
357	11/13/2017	14:47:54	0	0	0
358	11/13/2017	14:48:54	0	0	0
359	11/13/2017	14:49:54	0	0	0
360	11/13/2017	14:50:54	0	0	0
361	11/13/2017	14:51:54	0	0	0
362	11/13/2017	14:52:54	0	0	0
363	11/13/2017	14:53:54	0	0	0
364	11/13/2017	14:54:54	0	0	0
365	11/13/2017	14:55:54	0	0	0
366	11/13/2017	14:56:54	0	0	0
367	11/13/2017	14:57:54	0	0	0
368	11/13/2017	14:58:54	0	0	0
369	11/13/2017	14:59:54	0	0	0
370	11/13/2017	15:00:54	0	0	0
371	11/13/2017	15:01:54	0	0	0
372	11/13/2017	15:02:54	0	0	0
373	11/13/2017	15:03:54	0	0	0
374	11/13/2017	15:04:54	0	0	0
375	11/13/2017	15:05:54	0	0	0
376	11/13/2017	15:06:54	0	0	0
377	11/13/2017	15:07:54	0	0	0
378	11/13/2017	15:08:54	0	0	0
379	11/13/2017	15:09:54	0	0	0
380	11/13/2017	15:10:54	0	0	0
381	11/13/2017	15:11:54	0	0	0
382	11/13/2017	15:12:54	0	0	0
383	11/13/2017	15:13:54	0	0	0
384	11/13/2017	15:14:54	0	0	0
385	11/13/2017	15:15:54	0	0	0
386	11/13/2017	15:16:54	0	0	0
387	11/13/2017	15:17:54	0	0	0
388	11/13/2017	15:18:54	0	0	0
389	11/13/2017	15:19:54	0	0	0
390	11/13/2017	15:20:54	0	0	0
391	11/13/2017	15:21:54	0	0	0
392	11/13/2017	15:22:54	0	0	0
393	11/13/2017	15:23:54	0	0	0
394	11/13/2017	15:24:54	0	0	0
395	11/13/2017	15:25:54	0	0	0
396	11/13/2017	15:26:54	0	0	0
397	11/13/2017	15:27:54	0	0	0
398	11/13/2017	15:28:54	0	0	0
399	11/13/2017	15:29:54	0	0	0
400	11/13/2017	15:30:54	0	0	0
401	11/13/2017	15:31:54	0	0	0
402	11/13/2017	15:32:54	0	0	0
403	11/13/2017	15:33:54	0	0	0

			Pine_16464_20180226		
404	11/13/2017	15:34:54	0	0	0
405	11/13/2017	15:35:54	0	0	0
406	11/13/2017	15:36:54	0	0	0
407	11/13/2017	15:37:54	0	0	0
408	11/13/2017	15:38:54	0	0	0
409	11/13/2017	15:39:54	0	0	0
410	11/13/2017	15:40:54	0	0	0
411	11/13/2017	15:41:54	0	0	0
412	11/13/2017	15:42:54	0	0	0
413	11/13/2017	15:43:54	0	0	0
414	11/13/2017	15:44:54	0	0	0
415	11/13/2017	15:45:54	0	0	0
416	11/13/2017	15:46:54	0	0	0
417	11/13/2017	15:47:54	0	0	0
418	11/13/2017	15:48:54	0	0	0
419	11/13/2017	15:49:54	0	0	0
420	11/13/2017	15:50:54	0	0	0
421	11/13/2017	15:51:54	0	0	0
422	11/13/2017	15:52:54	0	0	0
423	11/13/2017	15:53:54	0	0	0
424	11/13/2017	15:54:54	0	0	0
425	11/13/2017	15:55:54	0	0	0
426	11/13/2017	15:56:54	0	0	0
427	11/13/2017	15:57:54	0	0	0
428	11/13/2017	15:58:54	0	0	0
429	11/13/2017	15:59:54	0	0	0
430	11/13/2017	16:00:54	0	0	0
431	11/13/2017	16:01:54	0	0	0
432	11/13/2017	16:02:54	0	0	0
433	11/13/2017	16:03:54	0	0	0
434	11/13/2017	16:04:54	0	0	0
Peak	0	0	0		
Min	0	0	0		
Average	0	0	0		

=====

17/11/14 16:58

Summary

```

-----
Unit Name      MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver      V1.20B
-----

```

```

-----
Running Mode    Hygiene Mode
Measure Type    Min; Avg; Max
Datalog Mode    Continuous
Datalog Type    Auto
-----

```


Pine_16464_20180226

Diagnostic Mode No
Stop Reason Power Down

Site ID 00000056
User ID 00000001

Begin 11/14/2017 16:58:24
End 11/14/2017 16:59:04
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11

Datalog

0 record.

=====
17/11/15 08:12

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 11/15/2017 08:12:52
End 11/15/2017 16:06:55

Sample Period(s) 60
 Number of Records 474

 Sensor VOC(ppb)
 Span 100000
 Span 2 N/A
 Low Alarm 50000
 High Alarm 100000
 Over Alarm 15000000
 STEL Alarm 25000
 TWA Alarm 100000
 Measurement Gas Isobutylene
 Calibration Time 10/19/2017 13:11
 Peak N/A
 Min N/A
 Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	11/15/2017 08:13:52	0	0	0	0
002	11/15/2017 08:14:52	0	0	0	0
003	11/15/2017 08:15:52	0	0	0	0
004	11/15/2017 08:16:52	0	0	0	0
005	11/15/2017 08:17:52	0	0	0	0
006	11/15/2017 08:18:52	0	0	0	0
007	11/15/2017 08:19:52	0	0	0	0
008	11/15/2017 08:20:52	0	0	0	0
009	11/15/2017 08:21:52	0	0	0	0
010	11/15/2017 08:22:52	0	0	0	0
011	11/15/2017 08:23:52	0	0	0	0
012	11/15/2017 08:24:52	0	0	0	0
013	11/15/2017 08:25:52	0	0	0	0
014	11/15/2017 08:26:52	0	0	0	0
015	11/15/2017 08:27:52	0	0	0	0
016	11/15/2017 08:28:52	0	0	0	0
017	11/15/2017 08:29:52	0	0	0	0
018	11/15/2017 08:30:52	0	0	0	0
019	11/15/2017 08:31:52	0	0	0	0
020	11/15/2017 08:32:52	0	0	0	0
021	11/15/2017 08:33:52	0	0	0	0
022	11/15/2017 08:34:52	0	0	0	0
023	11/15/2017 08:35:52	0	0	0	0
024	11/15/2017 08:36:52	0	0	0	0
025	11/15/2017 08:37:52	0	0	0	0
026	11/15/2017 08:38:52	0	0	0	0
027	11/15/2017 08:39:52	0	0	0	0

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028	11/15/2017 08:40:52	0	0	0
029	11/15/2017 08:41:52	0	0	0
030	11/15/2017 08:42:52	0	0	0
031	11/15/2017 08:43:52	0	0	0
032	11/15/2017 08:44:52	0	0	0
033	11/15/2017 08:45:52	0	0	0
034	11/15/2017 08:46:52	0	0	0
035	11/15/2017 08:47:52	0	0	0
036	11/15/2017 08:48:52	0	0	0
037	11/15/2017 08:49:52	0	0	0
038	11/15/2017 08:50:52	0	0	0
039	11/15/2017 08:51:52	0	0	0
040	11/15/2017 08:52:52	0	0	0
041	11/15/2017 08:53:52	0	0	0
042	11/15/2017 08:54:52	0	0	0
043	11/15/2017 08:55:52	0	0	0
044	11/15/2017 08:56:52	0	0	0
045	11/15/2017 08:57:52	0	0	0
046	11/15/2017 08:58:52	0	0	0
047	11/15/2017 08:59:52	0	0	0
048	11/15/2017 09:00:52	0	0	0
049	11/15/2017 09:01:52	0	0	0
050	11/15/2017 09:02:52	0	0	0
051	11/15/2017 09:03:52	0	0	0
052	11/15/2017 09:04:52	0	0	0
053	11/15/2017 09:05:52	0	0	0
054	11/15/2017 09:06:52	0	0	0
055	11/15/2017 09:07:52	0	0	0
056	11/15/2017 09:08:52	0	0	0
057	11/15/2017 09:09:52	0	0	0
058	11/15/2017 09:10:52	0	0	0
059	11/15/2017 09:11:52	0	0	0
060	11/15/2017 09:12:52	0	0	0
061	11/15/2017 09:13:52	0	0	0
062	11/15/2017 09:14:52	0	0	0
063	11/15/2017 09:15:52	0	0	0
064	11/15/2017 09:16:52	0	0	0
065	11/15/2017 09:17:52	0	0	0
066	11/15/2017 09:18:52	0	0	0
067	11/15/2017 09:19:52	0	0	0
068	11/15/2017 09:20:52	0	0	0
069	11/15/2017 09:21:52	0	0	0
070	11/15/2017 09:22:52	0	0	0
071	11/15/2017 09:23:52	0	0	0
072	11/15/2017 09:24:52	0	0	0
073	11/15/2017 09:25:52	0	0	0
074	11/15/2017 09:26:52	0	0	0
075	11/15/2017 09:27:52	0	0	0

			Pine_16464_20180226		
076	11/15/2017 09:28:52	0	69	355	
077	11/15/2017 09:29:52	0	31	249	
078	11/15/2017 09:30:52	0	0	0	
079	11/15/2017 09:31:52	0	0	0	
080	11/15/2017 09:32:52	0	0	0	
081	11/15/2017 09:33:52	0	0	0	
082	11/15/2017 09:34:52	0	0	0	
083	11/15/2017 09:35:52	0	0	0	
084	11/15/2017 09:36:52	0	0	0	
085	11/15/2017 09:37:52	0	8	79	
086	11/15/2017 09:38:52	0	0	0	
087	11/15/2017 09:39:52	0	0	0	
088	11/15/2017 09:40:52	0	0	0	
089	11/15/2017 09:41:52	0	0	0	
090	11/15/2017 09:42:52	0	0	0	
091	11/15/2017 09:43:52	0	0	0	
092	11/15/2017 09:44:52	0	0	0	
093	11/15/2017 09:45:52	0	0	0	
094	11/15/2017 09:46:52	0	0	0	
095	11/15/2017 09:47:52	0	0	0	
096	11/15/2017 09:48:52	0	0	0	
097	11/15/2017 09:49:52	0	0	0	
098	11/15/2017 09:50:52	0	0	0	
099	11/15/2017 09:51:52	0	0	0	
100	11/15/2017 09:52:52	0	0	0	
101	11/15/2017 09:53:52	0	0	0	
102	11/15/2017 09:54:52	0	0	0	
103	11/15/2017 09:55:52	0	0	0	
104	11/15/2017 09:56:52	0	1	17	
105	11/15/2017 09:57:52	0	0	0	
106	11/15/2017 09:58:52	0	0	0	
107	11/15/2017 09:59:52	0	0	0	
108	11/15/2017 10:00:52	0	0	0	
109	11/15/2017 10:01:52	0	0	0	
110	11/15/2017 10:02:52	0	0	0	
111	11/15/2017 10:03:52	0	0	0	
112	11/15/2017 10:04:52	0	0	0	
113	11/15/2017 10:05:52	0	0	0	
114	11/15/2017 10:06:52	0	0	12	
115	11/15/2017 10:07:52	0	0	10	
116	11/15/2017 10:08:52	0	2	15	
117	11/15/2017 10:09:52	0	0	6	
118	11/15/2017 10:10:52	0	0	0	
119	11/15/2017 10:11:52	0	0	1	
120	11/15/2017 10:12:52	0	0	0	
121	11/15/2017 10:13:52	0	0	0	
122	11/15/2017 10:14:52	0	0	0	
123	11/15/2017 10:15:52	0	0	0	

			Pine_16464_20180226		
124	11/15/2017	10:16:52	0	0	0
125	11/15/2017	10:17:52	0	0	0
126	11/15/2017	10:18:52	0	0	0
127	11/15/2017	10:19:52	0	0	0
128	11/15/2017	10:20:52	0	0	0
129	11/15/2017	10:21:52	0	0	0
130	11/15/2017	10:22:52	0	0	0
131	11/15/2017	10:23:52	0	0	0
132	11/15/2017	10:24:52	0	0	0
133	11/15/2017	10:25:52	0	0	0
134	11/15/2017	10:26:52	0	0	0
135	11/15/2017	10:27:52	0	0	0
136	11/15/2017	10:28:52	0	0	0
137	11/15/2017	10:29:52	0	0	0
138	11/15/2017	10:30:52	0	0	0
139	11/15/2017	10:31:52	0	0	0
140	11/15/2017	10:32:52	0	0	0
141	11/15/2017	10:33:52	0	0	0
142	11/15/2017	10:34:52	0	0	0
143	11/15/2017	10:35:52	0	0	0
144	11/15/2017	10:36:52	0	0	0
145	11/15/2017	10:37:52	0	0	0
146	11/15/2017	10:38:52	0	0	0
147	11/15/2017	10:39:52	0	0	0
148	11/15/2017	10:40:52	0	0	0
149	11/15/2017	10:41:52	0	0	0
150	11/15/2017	10:42:52	0	0	0
151	11/15/2017	10:43:52	0	0	0
152	11/15/2017	10:44:52	0	0	0
153	11/15/2017	10:45:52	0	0	0
154	11/15/2017	10:46:52	0	0	0
155	11/15/2017	10:47:52	0	0	0
156	11/15/2017	10:48:52	0	0	0
157	11/15/2017	10:49:52	0	0	0
158	11/15/2017	10:50:52	0	0	0
159	11/15/2017	10:51:52	0	0	0
160	11/15/2017	10:52:52	0	0	0
161	11/15/2017	10:53:52	0	0	0
162	11/15/2017	10:54:52	0	0	0
163	11/15/2017	10:55:52	0	0	0
164	11/15/2017	10:56:52	0	0	0
165	11/15/2017	10:57:52	0	0	0
166	11/15/2017	10:58:52	0	0	0
167	11/15/2017	10:59:52	0	0	0
168	11/15/2017	11:00:52	0	0	0
169	11/15/2017	11:01:52	0	0	0
170	11/15/2017	11:02:52	0	0	0
171	11/15/2017	11:03:52	0	0	0

			Pine_16464_20180226		
172	11/15/2017	11:04:52	0	0	0
173	11/15/2017	11:05:52	0	0	0
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175	11/15/2017	11:07:52	0	0	0
176	11/15/2017	11:08:52	0	0	0
177	11/15/2017	11:09:52	0	0	0
178	11/15/2017	11:10:52	0	0	0
179	11/15/2017	11:11:52	0	0	0
180	11/15/2017	11:12:52	0	0	0
181	11/15/2017	11:13:52	0	0	0
182	11/15/2017	11:14:52	0	0	0
183	11/15/2017	11:15:52	0	0	0
184	11/15/2017	11:16:52	0	0	0
185	11/15/2017	11:17:52	0	0	0
186	11/15/2017	11:18:52	0	0	0
187	11/15/2017	11:19:52	0	0	0
188	11/15/2017	11:20:52	0	0	0
189	11/15/2017	11:21:52	0	0	0
190	11/15/2017	11:22:52	0	0	0
191	11/15/2017	11:23:52	0	0	0
192	11/15/2017	11:24:52	0	0	0
193	11/15/2017	11:25:52	0	0	0
194	11/15/2017	11:26:52	0	0	0
195	11/15/2017	11:27:52	0	0	0
196	11/15/2017	11:28:52	0	0	0
197	11/15/2017	11:29:52	0	0	0
198	11/15/2017	11:30:52	0	0	0
199	11/15/2017	11:31:52	0	0	0
200	11/15/2017	11:32:52	0	0	0
201	11/15/2017	11:33:52	0	0	4
202	11/15/2017	11:34:52	0	0	0
203	11/15/2017	11:35:52	0	0	0
204	11/15/2017	11:36:52	0	0	0
205	11/15/2017	11:37:52	0	0	0
206	11/15/2017	11:38:52	0	0	0
207	11/15/2017	11:39:52	0	0	0
208	11/15/2017	11:40:52	0	0	0
209	11/15/2017	11:41:52	0	0	0
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211	11/15/2017	11:43:52	0	0	0
212	11/15/2017	11:44:52	0	0	0
213	11/15/2017	11:45:52	0	0	0
214	11/15/2017	11:46:52	0	0	0
215	11/15/2017	11:47:52	0	0	0
216	11/15/2017	11:48:52	0	0	0
217	11/15/2017	11:49:52	0	0	0
218	11/15/2017	11:50:52	0	0	0
219	11/15/2017	11:51:52	0	0	0

			Pine_16464_20180226		
220	11/15/2017	11:52:52	0	0	0
221	11/15/2017	11:53:52	0	0	0
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224	11/15/2017	11:56:52	0	0	0
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226	11/15/2017	11:58:52	0	0	0
227	11/15/2017	11:59:52	0	0	0
228	11/15/2017	12:00:52	0	0	0
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230	11/15/2017	12:02:52	0	0	0
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232	11/15/2017	12:04:52	0	0	0
233	11/15/2017	12:05:52	0	0	0
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235	11/15/2017	12:07:52	0	0	0
236	11/15/2017	12:08:52	0	0	0
237	11/15/2017	12:09:52	0	0	0
238	11/15/2017	12:10:52	0	0	0
239	11/15/2017	12:11:52	0	0	0
240	11/15/2017	12:12:52	0	0	0
241	11/15/2017	12:13:52	0	0	0
242	11/15/2017	12:14:52	0	0	0
243	11/15/2017	12:15:52	0	0	0
244	11/15/2017	12:16:52	0	0	0
245	11/15/2017	12:17:52	0	0	0
246	11/15/2017	12:18:52	0	0	0
247	11/15/2017	12:19:52	0	0	0
248	11/15/2017	12:20:52	0	0	0
249	11/15/2017	12:21:52	0	0	0
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253	11/15/2017	12:25:52	0	0	0
254	11/15/2017	12:26:52	0	0	0
255	11/15/2017	12:27:52	0	0	0
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260	11/15/2017	12:32:52	0	0	0
261	11/15/2017	12:33:52	0	0	0
262	11/15/2017	12:34:52	0	0	0
263	11/15/2017	12:35:52	0	0	0
264	11/15/2017	12:36:52	0	0	0
265	11/15/2017	12:37:52	0	0	0
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267	11/15/2017	12:39:52	0	0	0

			Pine_16464_20180226		
268	11/15/2017	12:40:52	0	0	0
269	11/15/2017	12:41:52	0	0	0
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276	11/15/2017	12:48:52	0	0	0
277	11/15/2017	12:49:52	0	0	0
278	11/15/2017	12:50:52	0	0	0
279	11/15/2017	12:51:52	0	0	0
280	11/15/2017	12:52:52	0	0	0
281	11/15/2017	12:53:52	0	0	0
282	11/15/2017	12:54:52	0	0	0
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284	11/15/2017	12:56:52	0	0	0
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286	11/15/2017	12:58:52	0	0	0
287	11/15/2017	12:59:52	0	0	0
288	11/15/2017	13:00:52	0	0	0
289	11/15/2017	13:01:52	0	0	0
290	11/15/2017	13:02:52	0	0	0
291	11/15/2017	13:03:52	0	0	0
292	11/15/2017	13:04:52	0	0	0
293	11/15/2017	13:05:52	0	0	0
294	11/15/2017	13:06:52	0	0	0
295	11/15/2017	13:07:52	0	0	0
296	11/15/2017	13:08:52	0	0	0
297	11/15/2017	13:09:52	0	0	0
298	11/15/2017	13:10:52	0	0	0
299	11/15/2017	13:11:52	0	0	0
300	11/15/2017	13:12:52	0	0	0
301	11/15/2017	13:13:52	0	0	0
302	11/15/2017	13:14:52	0	0	0
303	11/15/2017	13:15:52	0	0	0
304	11/15/2017	13:16:52	0	0	0
305	11/15/2017	13:17:52	0	0	0
306	11/15/2017	13:18:52	0	0	0
307	11/15/2017	13:19:52	0	0	0
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309	11/15/2017	13:21:52	0	0	0
310	11/15/2017	13:22:52	0	0	0
311	11/15/2017	13:23:52	0	0	0
312	11/15/2017	13:24:52	0	0	0
313	11/15/2017	13:25:52	0	0	0
314	11/15/2017	13:26:52	0	0	0
315	11/15/2017	13:27:52	0	0	0

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316	11/15/2017	13:28:52	0	0	0
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318	11/15/2017	13:30:52	0	0	0
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322	11/15/2017	13:34:52	0	0	0
323	11/15/2017	13:35:52	0	0	0
324	11/15/2017	13:36:52	0	0	0
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326	11/15/2017	13:38:52	0	0	0
327	11/15/2017	13:39:52	0	0	0
328	11/15/2017	13:40:52	0	0	0
329	11/15/2017	13:41:52	0	0	0
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331	11/15/2017	13:43:52	0	0	0
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333	11/15/2017	13:45:52	0	0	0
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344	11/15/2017	13:56:52	0	0	0
345	11/15/2017	13:57:52	0	0	0
346	11/15/2017	13:58:52	0	0	0
347	11/15/2017	13:59:52	0	0	0
348	11/15/2017	14:00:52	0	0	0
349	11/15/2017	14:01:52	0	0	0
350	11/15/2017	14:02:52	0	0	0
351	11/15/2017	14:03:52	0	0	0
352	11/15/2017	14:04:52	0	0	0
353	11/15/2017	14:05:52	0	0	0
354	11/15/2017	14:06:52	0	0	0
355	11/15/2017	14:07:52	0	0	0
356	11/15/2017	14:08:52	0	0	0
357	11/15/2017	14:09:52	0	0	0
358	11/15/2017	14:10:52	0	0	0
359	11/15/2017	14:11:52	0	0	0
360	11/15/2017	14:12:52	0	0	0
361	11/15/2017	14:13:52	0	0	0
362	11/15/2017	14:14:52	0	0	0
363	11/15/2017	14:15:52	0	0	0

			Pine_16464_20180226		
364	11/15/2017	14:16:52	0	0	0
365	11/15/2017	14:17:52	0	0	0
366	11/15/2017	14:18:52	0	0	0
367	11/15/2017	14:19:52	0	0	0
368	11/15/2017	14:20:52	0	0	0
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370	11/15/2017	14:22:52	0	0	0
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374	11/15/2017	14:26:52	0	0	0
375	11/15/2017	14:27:52	0	0	0
376	11/15/2017	14:28:52	0	0	0
377	11/15/2017	14:29:52	0	0	0
378	11/15/2017	14:30:52	0	0	0
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380	11/15/2017	14:32:52	0	0	0
381	11/15/2017	14:33:52	0	0	0
382	11/15/2017	14:34:52	0	0	0
383	11/15/2017	14:35:52	0	0	0
384	11/15/2017	14:36:52	0	0	0
385	11/15/2017	14:37:52	0	0	0
386	11/15/2017	14:38:52	0	0	0
387	11/15/2017	14:39:52	0	0	0
388	11/15/2017	14:40:52	0	0	0
389	11/15/2017	14:41:52	0	0	0
390	11/15/2017	14:42:52	0	0	0
391	11/15/2017	14:43:52	0	0	0
392	11/15/2017	14:44:52	0	0	0
393	11/15/2017	14:45:52	0	0	0
394	11/15/2017	14:46:52	0	0	0
395	11/15/2017	14:47:52	0	0	0
396	11/15/2017	14:48:52	0	0	0
397	11/15/2017	14:49:52	0	0	0
398	11/15/2017	14:50:52	0	0	0
399	11/15/2017	14:51:52	0	0	0
400	11/15/2017	14:52:52	0	0	0
401	11/15/2017	14:53:52	0	0	0
402	11/15/2017	14:54:52	0	0	0
403	11/15/2017	14:55:52	0	0	0
404	11/15/2017	14:56:52	0	0	0
405	11/15/2017	14:57:52	0	0	0
406	11/15/2017	14:58:52	0	0	0
407	11/15/2017	14:59:52	0	0	0
408	11/15/2017	15:00:52	0	0	0
409	11/15/2017	15:01:52	0	0	0
410	11/15/2017	15:02:52	0	0	0
411	11/15/2017	15:03:52	0	0	0

			Pine_16464_20180226		
412	11/15/2017	15:04:52	0	0	0
413	11/15/2017	15:05:52	0	0	0
414	11/15/2017	15:06:52	0	0	0
415	11/15/2017	15:07:52	0	0	0
416	11/15/2017	15:08:52	0	0	0
417	11/15/2017	15:09:52	0	0	0
418	11/15/2017	15:10:52	0	0	0
419	11/15/2017	15:11:52	0	0	0
420	11/15/2017	15:12:52	0	0	0
421	11/15/2017	15:13:52	0	0	0
422	11/15/2017	15:14:52	0	0	0
423	11/15/2017	15:15:52	0	0	0
424	11/15/2017	15:16:52	0	0	0
425	11/15/2017	15:17:52	0	0	0
426	11/15/2017	15:18:52	0	0	0
427	11/15/2017	15:19:52	0	0	0
428	11/15/2017	15:20:52	0	0	0
429	11/15/2017	15:21:52	0	0	0
430	11/15/2017	15:22:52	0	0	0
431	11/15/2017	15:23:52	0	0	0
432	11/15/2017	15:24:52	0	0	0
433	11/15/2017	15:25:52	0	0	0
434	11/15/2017	15:26:52	0	0	0
435	11/15/2017	15:27:52	0	0	0
436	11/15/2017	15:28:52	0	0	0
437	11/15/2017	15:29:52	0	0	0
438	11/15/2017	15:30:52	0	0	0
439	11/15/2017	15:31:52	0	0	0
440	11/15/2017	15:32:52	0	0	0
441	11/15/2017	15:33:52	0	0	0
442	11/15/2017	15:34:52	0	0	0
443	11/15/2017	15:35:52	0	0	0
444	11/15/2017	15:36:52	0	0	0
445	11/15/2017	15:37:52	0	0	0
446	11/15/2017	15:38:52	0	0	0
447	11/15/2017	15:39:52	0	0	0
448	11/15/2017	15:40:52	0	0	0
449	11/15/2017	15:41:52	0	0	0
450	11/15/2017	15:42:52	0	0	0
451	11/15/2017	15:43:52	0	0	0
452	11/15/2017	15:44:52	0	0	0
453	11/15/2017	15:45:52	0	0	0
454	11/15/2017	15:46:52	0	0	0
455	11/15/2017	15:47:52	0	0	0
456	11/15/2017	15:48:52	0	0	0
457	11/15/2017	15:49:52	0	0	0
458	11/15/2017	15:50:52	0	0	0
459	11/15/2017	15:51:52	0	0	0

				Pine_16464_20180226
460	11/15/2017	15:52:52	0	0
461	11/15/2017	15:53:52	0	0
462	11/15/2017	15:54:52	0	0
463	11/15/2017	15:55:52	0	0
464	11/15/2017	15:56:52	0	4
465	11/15/2017	15:57:52	0	0
466	11/15/2017	15:58:52	0	0
467	11/15/2017	15:59:52	0	0
468	11/15/2017	16:00:52	0	0
469	11/15/2017	16:01:52	0	2
470	11/15/2017	16:02:52	0	32
471	11/15/2017	16:03:52	0	0
472	11/15/2017	16:04:52	0	0
473	11/15/2017	16:05:52	0	0
474	11/15/2017	16:06:52	0	0
Peak	0	69	355	
Min	0	0	0	
Average	0	0	2	

=====

17/11/16 08:15

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Battery Low

Site ID 00000056

User ID 00000001

Begin 11/16/2017 08:15:39

End 11/16/2017 15:13:14

Sample Period(s) 60

Number of Records 417

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Pine_16464_20180226

Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	11/16/2017 08:16:39	0	0	0	0
002	11/16/2017 08:17:39	0	0	0	0
003	11/16/2017 08:18:39	0	0	0	0
004	11/16/2017 08:19:39	0	0	0	0
005	11/16/2017 08:20:39	0	0	0	0
006	11/16/2017 08:21:39	0	0	0	0
007	11/16/2017 08:22:39	0	0	0	0
008	11/16/2017 08:23:39	0	0	0	0
009	11/16/2017 08:24:39	0	0	0	0
010	11/16/2017 08:25:39	0	0	0	0
011	11/16/2017 08:26:39	0	0	0	0
012	11/16/2017 08:27:39	0	0	0	0
013	11/16/2017 08:28:39	0	0	0	0
014	11/16/2017 08:29:39	0	0	0	0
015	11/16/2017 08:30:39	0	0	0	0
016	11/16/2017 08:31:39	0	0	0	0
017	11/16/2017 08:32:39	0	0	0	0
018	11/16/2017 08:33:39	0	0	0	0
019	11/16/2017 08:34:39	0	0	0	0
020	11/16/2017 08:35:39	0	0	0	0
021	11/16/2017 08:36:39	0	0	0	0
022	11/16/2017 08:37:39	0	0	0	0
023	11/16/2017 08:38:39	0	0	0	0
024	11/16/2017 08:39:39	0	0	0	0
025	11/16/2017 08:40:39	0	0	0	0
026	11/16/2017 08:41:39	0	0	0	0
027	11/16/2017 08:42:39	0	0	0	0
028	11/16/2017 08:43:39	0	0	0	0
029	11/16/2017 08:44:39	0	0	0	0
030	11/16/2017 08:45:39	0	0	0	0
031	11/16/2017 08:46:39	0	0	0	0
032	11/16/2017 08:47:39	0	0	0	0
033	11/16/2017 08:48:39	0	0	0	0
034	11/16/2017 08:49:39	0	0	0	0
035	11/16/2017 08:50:39	0	0	0	0

			Pine_16464_20180226		
036	11/16/2017	08:51:39	0	0	0
037	11/16/2017	08:52:39	0	0	0
038	11/16/2017	08:53:39	0	0	0
039	11/16/2017	08:54:39	0	0	0
040	11/16/2017	08:55:39	0	0	0
041	11/16/2017	08:56:39	0	0	0
042	11/16/2017	08:57:39	0	0	0
043	11/16/2017	08:58:39	0	0	0
044	11/16/2017	08:59:39	0	0	0
045	11/16/2017	09:00:39	0	0	0
046	11/16/2017	09:01:39	0	0	0
047	11/16/2017	09:02:39	0	0	0
048	11/16/2017	09:03:39	0	0	0
049	11/16/2017	09:04:39	0	0	0
050	11/16/2017	09:05:39	0	0	0
051	11/16/2017	09:06:39	0	0	0
052	11/16/2017	09:07:39	0	0	0
053	11/16/2017	09:08:39	0	0	0
054	11/16/2017	09:09:39	0	0	0
055	11/16/2017	09:10:39	0	0	0
056	11/16/2017	09:11:39	0	0	0
057	11/16/2017	09:12:39	0	0	0
058	11/16/2017	09:13:39	0	0	0
059	11/16/2017	09:14:39	0	0	0
060	11/16/2017	09:15:39	0	0	0
061	11/16/2017	09:16:39	0	0	0
062	11/16/2017	09:17:39	0	0	0
063	11/16/2017	09:18:39	0	0	0
064	11/16/2017	09:19:39	0	0	0
065	11/16/2017	09:20:39	0	0	0
066	11/16/2017	09:21:39	0	0	0
067	11/16/2017	09:22:39	0	0	0
068	11/16/2017	09:23:39	0	0	0
069	11/16/2017	09:24:39	0	0	0
070	11/16/2017	09:25:39	0	0	0
071	11/16/2017	09:26:39	0	0	0
072	11/16/2017	09:27:39	0	0	0
073	11/16/2017	09:28:39	0	0	0
074	11/16/2017	09:29:39	0	0	0
075	11/16/2017	09:30:39	0	0	0
076	11/16/2017	09:31:39	0	0	0
077	11/16/2017	09:32:39	0	0	0
078	11/16/2017	09:33:39	0	0	0
079	11/16/2017	09:34:39	0	0	0
080	11/16/2017	09:35:39	0	0	0
081	11/16/2017	09:36:39	0	0	0
082	11/16/2017	09:37:39	0	0	0
083	11/16/2017	09:38:39	0	0	0

			Pine_16464_20180226		
084	11/16/2017	09:39:39	0	0	0
085	11/16/2017	09:40:39	0	0	0
086	11/16/2017	09:41:39	0	0	0
087	11/16/2017	09:42:39	0	0	0
088	11/16/2017	09:43:39	0	0	0
089	11/16/2017	09:44:39	0	0	0
090	11/16/2017	09:45:39	0	0	0
091	11/16/2017	09:46:39	0	0	0
092	11/16/2017	09:47:39	0	0	0
093	11/16/2017	09:48:39	0	0	0
094	11/16/2017	09:49:39	0	0	0
095	11/16/2017	09:50:39	0	0	0
096	11/16/2017	09:51:39	0	0	0
097	11/16/2017	09:52:39	0	0	0
098	11/16/2017	09:53:39	0	0	0
099	11/16/2017	09:54:39	0	0	0
100	11/16/2017	09:55:39	0	0	0
101	11/16/2017	09:56:39	0	0	0
102	11/16/2017	09:57:39	0	0	0
103	11/16/2017	09:58:39	0	0	0
104	11/16/2017	09:59:39	0	0	0
105	11/16/2017	10:00:39	0	0	0
106	11/16/2017	10:01:39	0	0	0
107	11/16/2017	10:02:39	0	0	0
108	11/16/2017	10:03:39	0	0	0
109	11/16/2017	10:04:39	0	0	0
110	11/16/2017	10:05:39	0	0	0
111	11/16/2017	10:06:39	0	0	0
112	11/16/2017	10:07:39	0	0	0
113	11/16/2017	10:08:39	0	0	0
114	11/16/2017	10:09:39	0	0	0
115	11/16/2017	10:10:39	0	0	0
116	11/16/2017	10:11:39	0	0	0
117	11/16/2017	10:12:39	0	0	0
118	11/16/2017	10:13:39	0	0	0
119	11/16/2017	10:14:39	0	0	0
120	11/16/2017	10:15:39	0	0	0
121	11/16/2017	10:16:39	0	0	0
122	11/16/2017	10:17:39	0	0	0
123	11/16/2017	10:18:39	0	0	0
124	11/16/2017	10:19:39	0	0	0
125	11/16/2017	10:20:39	0	0	0
126	11/16/2017	10:21:39	0	0	0
127	11/16/2017	10:22:39	0	0	0
128	11/16/2017	10:23:39	0	0	0
129	11/16/2017	10:24:39	0	0	0
130	11/16/2017	10:25:39	0	0	0
131	11/16/2017	10:26:39	0	0	0

			Pine_16464_20180226		
132	11/16/2017	10:27:39	0	0	0
133	11/16/2017	10:28:39	0	0	0
134	11/16/2017	10:29:39	0	0	0
135	11/16/2017	10:30:39	0	0	0
136	11/16/2017	10:31:39	0	0	0
137	11/16/2017	10:32:39	0	0	0
138	11/16/2017	10:33:39	0	0	0
139	11/16/2017	10:34:39	0	0	0
140	11/16/2017	10:35:39	0	0	0
141	11/16/2017	10:36:39	0	0	0
142	11/16/2017	10:37:39	0	0	0
143	11/16/2017	10:38:39	0	0	0
144	11/16/2017	10:39:39	0	0	0
145	11/16/2017	10:40:39	0	0	0
146	11/16/2017	10:41:39	0	0	0
147	11/16/2017	10:42:39	0	0	0
148	11/16/2017	10:43:39	0	0	0
149	11/16/2017	10:44:39	0	0	0
150	11/16/2017	10:45:39	0	0	0
151	11/16/2017	10:46:39	0	0	0
152	11/16/2017	10:47:39	0	0	0
153	11/16/2017	10:48:39	0	0	0
154	11/16/2017	10:49:39	0	0	0
155	11/16/2017	10:50:39	0	0	0
156	11/16/2017	10:51:39	0	0	0
157	11/16/2017	10:52:39	0	0	0
158	11/16/2017	10:53:39	0	0	0
159	11/16/2017	10:54:39	0	0	0
160	11/16/2017	10:55:39	0	0	0
161	11/16/2017	10:56:39	0	0	0
162	11/16/2017	10:57:39	0	0	0
163	11/16/2017	10:58:39	0	0	0
164	11/16/2017	10:59:39	0	0	0
165	11/16/2017	11:00:39	0	0	0
166	11/16/2017	11:01:39	0	0	0
167	11/16/2017	11:02:39	0	0	0
168	11/16/2017	11:03:39	0	0	0
169	11/16/2017	11:04:39	0	0	0
170	11/16/2017	11:05:39	0	0	0
171	11/16/2017	11:06:39	0	0	0
172	11/16/2017	11:07:39	0	0	0
173	11/16/2017	11:08:39	0	0	0
174	11/16/2017	11:09:39	0	0	0
175	11/16/2017	11:10:39	0	0	0
176	11/16/2017	11:11:39	0	0	0
177	11/16/2017	11:12:39	0	0	0
178	11/16/2017	11:13:39	0	0	0
179	11/16/2017	11:14:39	0	0	0

			Pine_16464_20180226		
180	11/16/2017	11:15:39	0	0	0
181	11/16/2017	11:16:39	0	0	0
182	11/16/2017	11:17:39	0	0	0
183	11/16/2017	11:18:39	0	0	0
184	11/16/2017	11:19:39	0	0	0
185	11/16/2017	11:20:39	0	0	0
186	11/16/2017	11:21:39	0	0	0
187	11/16/2017	11:22:39	0	0	0
188	11/16/2017	11:23:39	0	0	0
189	11/16/2017	11:24:39	0	0	0
190	11/16/2017	11:25:39	0	0	0
191	11/16/2017	11:26:39	0	0	0
192	11/16/2017	11:27:39	0	0	0
193	11/16/2017	11:28:39	0	0	0
194	11/16/2017	11:29:39	0	0	0
195	11/16/2017	11:30:39	0	0	0
196	11/16/2017	11:31:39	0	0	0
197	11/16/2017	11:32:39	0	0	0
198	11/16/2017	11:33:39	0	0	0
199	11/16/2017	11:34:39	0	0	0
200	11/16/2017	11:35:39	0	0	0
201	11/16/2017	11:36:39	0	0	0
202	11/16/2017	11:37:39	0	0	0
203	11/16/2017	11:38:39	0	0	0
204	11/16/2017	11:39:39	0	0	0
205	11/16/2017	11:40:39	0	0	0
206	11/16/2017	11:41:39	0	0	0
207	11/16/2017	11:42:39	0	0	0
208	11/16/2017	11:43:39	0	0	0
209	11/16/2017	11:44:39	0	0	0
210	11/16/2017	11:45:39	0	0	0
211	11/16/2017	11:46:39	0	0	0
212	11/16/2017	11:47:39	0	0	0
213	11/16/2017	11:48:39	0	0	0
214	11/16/2017	11:49:39	0	0	0
215	11/16/2017	11:50:39	0	0	0
216	11/16/2017	11:51:39	0	0	0
217	11/16/2017	11:52:39	0	0	0
218	11/16/2017	11:53:39	0	0	0
219	11/16/2017	11:54:39	0	0	0
220	11/16/2017	11:55:39	0	0	0
221	11/16/2017	11:56:39	0	0	0
222	11/16/2017	11:57:39	0	0	0
223	11/16/2017	11:58:39	0	0	0
224	11/16/2017	11:59:39	0	0	0
225	11/16/2017	12:00:39	0	0	0
226	11/16/2017	12:01:39	0	0	0
227	11/16/2017	12:02:39	0	0	0

			Pine_16464_20180226		
228	11/16/2017	12:03:39	0	0	0
229	11/16/2017	12:04:39	0	0	0
230	11/16/2017	12:05:39	0	0	0
231	11/16/2017	12:06:39	0	0	0
232	11/16/2017	12:07:39	0	0	0
233	11/16/2017	12:08:39	0	0	0
234	11/16/2017	12:09:39	0	0	0
235	11/16/2017	12:10:39	0	0	0
236	11/16/2017	12:11:39	0	0	0
237	11/16/2017	12:12:39	0	0	0
238	11/16/2017	12:13:39	0	0	0
239	11/16/2017	12:14:39	0	0	0
240	11/16/2017	12:15:39	0	0	0
241	11/16/2017	12:16:39	0	0	0
242	11/16/2017	12:17:39	0	0	0
243	11/16/2017	12:18:39	0	0	0
244	11/16/2017	12:19:39	0	0	0
245	11/16/2017	12:20:39	0	0	0
246	11/16/2017	12:21:39	0	0	0
247	11/16/2017	12:22:39	0	0	0
248	11/16/2017	12:23:39	0	0	0
249	11/16/2017	12:24:39	0	0	0
250	11/16/2017	12:25:39	0	0	0
251	11/16/2017	12:26:39	0	0	0
252	11/16/2017	12:27:39	0	0	0
253	11/16/2017	12:28:39	0	0	0
254	11/16/2017	12:29:39	0	0	0
255	11/16/2017	12:30:39	0	0	0
256	11/16/2017	12:31:39	0	0	0
257	11/16/2017	12:32:39	0	0	0
258	11/16/2017	12:33:39	0	0	0
259	11/16/2017	12:34:39	0	0	0
260	11/16/2017	12:35:39	0	0	0
261	11/16/2017	12:36:39	0	0	0
262	11/16/2017	12:37:39	0	0	0
263	11/16/2017	12:38:39	0	0	0
264	11/16/2017	12:39:39	0	0	0
265	11/16/2017	12:40:39	0	0	0
266	11/16/2017	12:41:39	0	0	0
267	11/16/2017	12:42:39	0	0	0
268	11/16/2017	12:43:39	0	0	0
269	11/16/2017	12:44:39	0	0	0
270	11/16/2017	12:45:39	0	0	0
271	11/16/2017	12:46:39	0	0	0
272	11/16/2017	12:47:39	0	0	0
273	11/16/2017	12:48:39	0	0	0
274	11/16/2017	12:49:39	0	0	0
275	11/16/2017	12:50:39	0	0	0

			Pine_16464_20180226		
276	11/16/2017	12:51:39	0	0	0
277	11/16/2017	12:52:39	0	0	0
278	11/16/2017	12:53:39	0	0	0
279	11/16/2017	12:54:39	0	0	0
280	11/16/2017	12:55:39	0	0	0
281	11/16/2017	12:56:39	0	0	0
282	11/16/2017	12:57:39	0	0	0
283	11/16/2017	12:58:39	0	0	0
284	11/16/2017	12:59:39	0	0	0
285	11/16/2017	13:00:39	0	0	0
286	11/16/2017	13:01:39	0	0	0
287	11/16/2017	13:02:39	0	0	0
288	11/16/2017	13:03:39	0	0	0
289	11/16/2017	13:04:39	0	0	0
290	11/16/2017	13:05:39	0	0	0
291	11/16/2017	13:06:39	0	0	0
292	11/16/2017	13:07:39	0	0	0
293	11/16/2017	13:08:39	0	0	0
294	11/16/2017	13:09:39	0	0	0
295	11/16/2017	13:10:39	0	0	0
296	11/16/2017	13:11:39	0	0	0
297	11/16/2017	13:12:39	0	0	0
298	11/16/2017	13:13:39	0	0	0
299	11/16/2017	13:14:39	0	0	0
300	11/16/2017	13:15:39	0	0	0
301	11/16/2017	13:16:39	0	0	0
302	11/16/2017	13:17:39	0	0	0
303	11/16/2017	13:18:39	0	0	0
304	11/16/2017	13:19:39	0	0	0
305	11/16/2017	13:20:39	0	0	0
306	11/16/2017	13:21:39	0	0	0
307	11/16/2017	13:22:39	0	0	0
308	11/16/2017	13:23:39	0	0	0
309	11/16/2017	13:24:39	0	0	0
310	11/16/2017	13:25:39	0	0	0
311	11/16/2017	13:26:39	0	0	0
312	11/16/2017	13:27:39	0	0	0
313	11/16/2017	13:28:39	0	0	0
314	11/16/2017	13:29:39	0	0	0
315	11/16/2017	13:30:39	0	0	0
316	11/16/2017	13:31:39	0	0	0
317	11/16/2017	13:32:39	0	0	0
318	11/16/2017	13:33:39	0	0	0
319	11/16/2017	13:34:39	0	0	0
320	11/16/2017	13:35:39	0	0	0
321	11/16/2017	13:36:39	0	0	0
322	11/16/2017	13:37:39	0	0	0
323	11/16/2017	13:38:39	0	0	0

			Pine_16464_20180226		
324	11/16/2017	13:39:39	0	0	0
325	11/16/2017	13:40:39	0	0	0
326	11/16/2017	13:41:39	0	0	0
327	11/16/2017	13:42:39	0	0	0
328	11/16/2017	13:43:39	0	0	0
329	11/16/2017	13:44:39	0	0	0
330	11/16/2017	13:45:39	0	0	0
331	11/16/2017	13:46:39	0	0	0
332	11/16/2017	13:47:39	0	0	0
333	11/16/2017	13:48:39	0	0	0
334	11/16/2017	13:49:39	0	0	0
335	11/16/2017	13:50:39	0	0	0
336	11/16/2017	13:51:39	0	0	0
337	11/16/2017	13:52:39	0	0	0
338	11/16/2017	13:53:39	0	0	0
339	11/16/2017	13:54:39	0	0	0
340	11/16/2017	13:55:39	0	0	0
341	11/16/2017	13:56:39	0	0	0
342	11/16/2017	13:57:39	0	0	0
343	11/16/2017	13:58:39	0	0	0
344	11/16/2017	13:59:39	0	0	0
345	11/16/2017	14:00:39	0	0	0
346	11/16/2017	14:01:39	0	0	0
347	11/16/2017	14:02:39	0	0	0
348	11/16/2017	14:03:39	0	0	0
349	11/16/2017	14:04:39	0	5	81
350	11/16/2017	14:05:39	0	0	0
351	11/16/2017	14:06:39	0	0	0
352	11/16/2017	14:07:39	0	0	0
353	11/16/2017	14:08:39	0	0	0
354	11/16/2017	14:09:39	0	0	0
355	11/16/2017	14:10:39	0	0	0
356	11/16/2017	14:11:39	0	0	0
357	11/16/2017	14:12:39	0	0	0
358	11/16/2017	14:13:39	0	0	0
359	11/16/2017	14:14:39	0	0	0
360	11/16/2017	14:15:39	0	0	0
361	11/16/2017	14:16:39	0	0	0
362	11/16/2017	14:17:39	0	0	0
363	11/16/2017	14:18:39	0	0	0
364	11/16/2017	14:19:39	0	0	0
365	11/16/2017	14:20:39	0	0	0
366	11/16/2017	14:21:39	0	0	0
367	11/16/2017	14:22:39	0	0	0
368	11/16/2017	14:23:39	0	0	0
369	11/16/2017	14:24:39	0	0	0
370	11/16/2017	14:25:39	0	0	0
371	11/16/2017	14:26:39	0	0	0

			Pine_16464_20180226		
372	11/16/2017	14:27:39	0	0	0
373	11/16/2017	14:28:39	0	0	0
374	11/16/2017	14:29:39	0	0	0
375	11/16/2017	14:30:39	0	0	0
376	11/16/2017	14:31:39	0	0	0
377	11/16/2017	14:32:39	0	0	0
378	11/16/2017	14:33:39	0	0	0
379	11/16/2017	14:34:39	0	0	0
380	11/16/2017	14:35:39	0	0	0
381	11/16/2017	14:36:39	0	0	0
382	11/16/2017	14:37:39	0	0	0
383	11/16/2017	14:38:39	0	0	0
384	11/16/2017	14:39:39	0	0	0
385	11/16/2017	14:40:39	0	0	0
386	11/16/2017	14:41:39	0	0	0
387	11/16/2017	14:42:39	0	0	0
388	11/16/2017	14:43:39	0	0	0
389	11/16/2017	14:44:39	0	0	0
390	11/16/2017	14:45:39	0	0	0
391	11/16/2017	14:46:39	0	0	0
392	11/16/2017	14:47:39	0	0	0
393	11/16/2017	14:48:39	0	0	0
394	11/16/2017	14:49:39	0	0	0
395	11/16/2017	14:50:39	0	0	0
396	11/16/2017	14:51:39	0	0	0
397	11/16/2017	14:52:39	0	0	0
398	11/16/2017	14:53:39	0	0	0
399	11/16/2017	14:54:39	0	0	0
400	11/16/2017	14:55:39	0	0	0
401	11/16/2017	14:56:39	0	0	0
402	11/16/2017	14:57:39	0	0	0
403	11/16/2017	14:58:39	0	0	0
404	11/16/2017	14:59:39	0	0	0
405	11/16/2017	15:00:39	0	0	0
406	11/16/2017	15:01:39	0	0	0
407	11/16/2017	15:02:39	0	0	0
408	11/16/2017	15:03:39	0	0	0
409	11/16/2017	15:04:39	0	0	0
410	11/16/2017	15:05:39	0	0	0
411	11/16/2017	15:06:39	0	0	0
412	11/16/2017	15:07:39	0	0	0
413	11/16/2017	15:08:39	0	0	0
414	11/16/2017	15:09:39	0	0	0
415	11/16/2017	15:10:39	0	0	0
416	11/16/2017	15:11:39	0	0	0
417	11/16/2017	15:12:39	0	0	0
Peak	0	5	81		
Min	0	0	0		

Average 0 0 0 Pine_16464_20180226

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17/11/16 17:01

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 11/16/2017 17:01:13
End 11/16/2017 17:01:55
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11

Datalog

0 record.

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17/11/17 07:24

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

 Running Mode Hygiene Mode
 Measure Type Min; Avg; Max
 Datalog Mode Continuous
 Datalog Type Auto
 Diagnostic Mode No
 Stop Reason Battery Low

Site ID 00000056

User ID 00000001

 Begin 11/17/2017 07:24:16
 End 11/17/2017 07:59:26
 Sample Period(s) 60
 Number of Records 35

Sensor VOC(ppb)
 Span 100000
 Span 2 N/A
 Low Alarm 50000
 High Alarm 100000
 Over Alarm 1500000
 STEL Alarm 25000
 TWA Alarm 100000
 Measurement Gas Isobutylene
 Calibration Time 10/19/2017 13:11
 Peak N/A
 Min N/A
 Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)
001	11/17/2017 07:25:16	0	0	0
002	11/17/2017 07:26:16	0	0	0
003	11/17/2017 07:27:16	0	0	0
004	11/17/2017 07:28:16	0	0	0
005	11/17/2017 07:29:16	0	0	0
006	11/17/2017 07:30:16	0	0	0
007	11/17/2017 07:31:16	0	0	0
008	11/17/2017 07:32:16	0	0	0
009	11/17/2017 07:33:16	0	0	0
010	11/17/2017 07:34:16	0	0	0
011	11/17/2017 07:35:16	0	0	0
012	11/17/2017 07:36:16	0	0	0

			Pine_16464_20180226		
013	11/17/2017	07:37:16	0	0	0
014	11/17/2017	07:38:16	0	0	0
015	11/17/2017	07:39:16	0	0	0
016	11/17/2017	07:40:16	0	0	0
017	11/17/2017	07:41:16	0	0	0
018	11/17/2017	07:42:16	0	0	0
019	11/17/2017	07:43:16	0	0	0
020	11/17/2017	07:44:16	0	0	0
021	11/17/2017	07:45:16	0	0	0
022	11/17/2017	07:46:16	0	0	0
023	11/17/2017	07:47:16	0	0	0
024	11/17/2017	07:48:16	0	0	0
025	11/17/2017	07:49:16	0	0	0
026	11/17/2017	07:50:16	0	0	0
027	11/17/2017	07:51:16	0	0	0
028	11/17/2017	07:52:16	0	0	0
029	11/17/2017	07:53:16	0	0	0
030	11/17/2017	07:54:16	0	0	0
031	11/17/2017	07:55:16	0	0	0
032	11/17/2017	07:56:16	0	0	0
033	11/17/2017	07:57:16	0	0	0
034	11/17/2017	07:58:16	0	0	0
035	11/17/2017	07:59:16	0	0	0
Peak	0	0	0		
Min	0	0	0		
Average	0	0	0		

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17/11/20 08:10

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

Begin 11/20/2017 08:10:23

End 11/20/2017 16:36:27

Sample Period(s) 60
 Number of Records 506

 Sensor VOC(ppb)
 Span 100000
 Span 2 N/A
 Low Alarm 50000
 High Alarm 100000
 Over Alarm 15000000
 STEL Alarm 25000
 TWA Alarm 100000
 Measurement Gas Isobutylene
 Calibration Time 10/19/2017 13:11
 Peak N/A
 Min N/A
 Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	11/20/2017 08:11:23	0	0	0	0
002	11/20/2017 08:12:23	0	0	0	0
003	11/20/2017 08:13:23	0	0	0	0
004	11/20/2017 08:14:23	0	0	0	0
005	11/20/2017 08:15:23	0	0	0	0
006	11/20/2017 08:16:23	0	0	0	0
007	11/20/2017 08:17:23	0	0	0	0
008	11/20/2017 08:18:23	0	0	0	0
009	11/20/2017 08:19:23	0	0	0	0
010	11/20/2017 08:20:23	0	0	0	0
011	11/20/2017 08:21:23	0	0	0	0
012	11/20/2017 08:22:23	0	0	0	0
013	11/20/2017 08:23:23	0	0	0	0
014	11/20/2017 08:24:23	0	0	0	0
015	11/20/2017 08:25:23	0	0	0	0
016	11/20/2017 08:26:23	0	0	0	0
017	11/20/2017 08:27:23	0	0	0	0
018	11/20/2017 08:28:23	0	0	0	0
019	11/20/2017 08:29:23	0	0	0	0
020	11/20/2017 08:30:23	0	0	0	0
021	11/20/2017 08:31:23	0	0	0	0
022	11/20/2017 08:32:23	0	0	0	0
023	11/20/2017 08:33:23	0	0	0	0
024	11/20/2017 08:34:23	0	0	0	0
025	11/20/2017 08:35:23	0	0	0	0
026	11/20/2017 08:36:23	0	0	0	0
027	11/20/2017 08:37:23	0	0	0	0

			Pine_16464_20180226		
028	11/20/2017	08:38:23	0	0	0
029	11/20/2017	08:39:23	0	0	0
030	11/20/2017	08:40:23	0	0	0
031	11/20/2017	08:41:23	0	0	0
032	11/20/2017	08:42:23	0	0	0
033	11/20/2017	08:43:23	0	0	0
034	11/20/2017	08:44:23	0	0	0
035	11/20/2017	08:45:23	0	0	0
036	11/20/2017	08:46:23	0	0	0
037	11/20/2017	08:47:23	0	0	0
038	11/20/2017	08:48:23	0	0	0
039	11/20/2017	08:49:23	0	0	0
040	11/20/2017	08:50:23	0	0	0
041	11/20/2017	08:51:23	0	0	0
042	11/20/2017	08:52:23	0	0	0
043	11/20/2017	08:53:23	0	0	0
044	11/20/2017	08:54:23	0	0	0
045	11/20/2017	08:55:23	0	0	0
046	11/20/2017	08:56:23	0	0	0
047	11/20/2017	08:57:23	0	0	0
048	11/20/2017	08:58:23	0	0	0
049	11/20/2017	08:59:23	0	0	0
050	11/20/2017	09:00:23	0	0	0
051	11/20/2017	09:01:23	0	0	0
052	11/20/2017	09:02:23	0	0	0
053	11/20/2017	09:03:23	0	0	0
054	11/20/2017	09:04:23	0	0	0
055	11/20/2017	09:05:23	0	0	0
056	11/20/2017	09:06:23	0	0	0
057	11/20/2017	09:07:23	0	0	0
058	11/20/2017	09:08:23	0	0	0
059	11/20/2017	09:09:23	0	0	0
060	11/20/2017	09:10:23	0	0	0
061	11/20/2017	09:11:23	0	0	0
062	11/20/2017	09:12:23	0	0	0
063	11/20/2017	09:13:23	0	0	0
064	11/20/2017	09:14:23	0	0	0
065	11/20/2017	09:15:23	0	0	0
066	11/20/2017	09:16:23	0	0	0
067	11/20/2017	09:17:23	0	0	0
068	11/20/2017	09:18:23	0	0	0
069	11/20/2017	09:19:23	0	0	0
070	11/20/2017	09:20:23	0	0	0
071	11/20/2017	09:21:23	0	0	0
072	11/20/2017	09:22:23	0	0	0
073	11/20/2017	09:23:23	0	0	0
074	11/20/2017	09:24:23	0	0	0
075	11/20/2017	09:25:23	0	0	0

			Pine_16464_20180226		
076	11/20/2017	09:26:23	0	0	0
077	11/20/2017	09:27:23	0	0	0
078	11/20/2017	09:28:23	0	0	0
079	11/20/2017	09:29:23	0	0	0
080	11/20/2017	09:30:23	0	0	0
081	11/20/2017	09:31:23	0	0	0
082	11/20/2017	09:32:23	0	0	0
083	11/20/2017	09:33:23	0	0	0
084	11/20/2017	09:34:23	0	0	0
085	11/20/2017	09:35:23	0	0	0
086	11/20/2017	09:36:23	0	0	0
087	11/20/2017	09:37:23	0	0	0
088	11/20/2017	09:38:23	0	0	0
089	11/20/2017	09:39:23	0	0	0
090	11/20/2017	09:40:23	0	0	0
091	11/20/2017	09:41:23	0	0	0
092	11/20/2017	09:42:23	0	0	0
093	11/20/2017	09:43:23	0	0	0
094	11/20/2017	09:44:23	0	0	0
095	11/20/2017	09:45:23	0	0	0
096	11/20/2017	09:46:23	0	0	0
097	11/20/2017	09:47:23	0	0	0
098	11/20/2017	09:48:23	0	0	0
099	11/20/2017	09:49:23	0	0	0
100	11/20/2017	09:50:23	0	0	0
101	11/20/2017	09:51:23	0	0	0
102	11/20/2017	09:52:23	0	0	0
103	11/20/2017	09:53:23	0	0	0
104	11/20/2017	09:54:23	0	0	0
105	11/20/2017	09:55:23	0	0	0
106	11/20/2017	09:56:23	0	0	0
107	11/20/2017	09:57:23	0	0	0
108	11/20/2017	09:58:23	0	0	0
109	11/20/2017	09:59:23	0	0	0
110	11/20/2017	10:00:23	0	0	0
111	11/20/2017	10:01:23	0	0	0
112	11/20/2017	10:02:23	0	0	0
113	11/20/2017	10:03:23	0	0	0
114	11/20/2017	10:04:23	0	0	0
115	11/20/2017	10:05:23	0	0	0
116	11/20/2017	10:06:23	0	0	0
117	11/20/2017	10:07:23	0	0	0
118	11/20/2017	10:08:23	0	0	0
119	11/20/2017	10:09:23	0	0	0
120	11/20/2017	10:10:23	0	0	0
121	11/20/2017	10:11:23	0	0	0
122	11/20/2017	10:12:23	0	0	0
123	11/20/2017	10:13:23	0	0	0

			Pine_16464_20180226		
124	11/20/2017	10:14:23	0	0	0
125	11/20/2017	10:15:23	0	0	0
126	11/20/2017	10:16:23	0	0	0
127	11/20/2017	10:17:23	0	0	0
128	11/20/2017	10:18:23	0	0	0
129	11/20/2017	10:19:23	0	0	0
130	11/20/2017	10:20:23	0	0	0
131	11/20/2017	10:21:23	0	0	0
132	11/20/2017	10:22:23	0	0	0
133	11/20/2017	10:23:23	0	0	0
134	11/20/2017	10:24:23	0	0	0
135	11/20/2017	10:25:23	0	0	0
136	11/20/2017	10:26:23	0	0	0
137	11/20/2017	10:27:23	0	0	0
138	11/20/2017	10:28:23	0	0	0
139	11/20/2017	10:29:23	0	0	0
140	11/20/2017	10:30:23	0	0	0
141	11/20/2017	10:31:23	0	0	0
142	11/20/2017	10:32:23	0	0	0
143	11/20/2017	10:33:23	0	0	0
144	11/20/2017	10:34:23	0	0	0
145	11/20/2017	10:35:23	0	0	0
146	11/20/2017	10:36:23	0	0	0
147	11/20/2017	10:37:23	0	0	0
148	11/20/2017	10:38:23	0	0	0
149	11/20/2017	10:39:23	0	0	0
150	11/20/2017	10:40:23	0	0	0
151	11/20/2017	10:41:23	0	0	0
152	11/20/2017	10:42:23	0	0	0
153	11/20/2017	10:43:23	0	0	0
154	11/20/2017	10:44:23	0	4	71
155	11/20/2017	10:45:23	0	0	0
156	11/20/2017	10:46:23	0	0	0
157	11/20/2017	10:47:23	0	0	0
158	11/20/2017	10:48:23	0	0	0
159	11/20/2017	10:49:23	0	0	0
160	11/20/2017	10:50:23	0	0	0
161	11/20/2017	10:51:23	0	0	0
162	11/20/2017	10:52:23	0	0	0
163	11/20/2017	10:53:23	0	0	0
164	11/20/2017	10:54:23	0	0	0
165	11/20/2017	10:55:23	0	0	0
166	11/20/2017	10:56:23	0	0	0
167	11/20/2017	10:57:23	0	0	0
168	11/20/2017	10:58:23	0	0	0
169	11/20/2017	10:59:23	0	0	0
170	11/20/2017	11:00:23	0	0	0
171	11/20/2017	11:01:23	0	0	0

			Pine_16464_20180226		
172	11/20/2017	11:02:23	0	0	0
173	11/20/2017	11:03:23	0	0	0
174	11/20/2017	11:04:23	0	0	0
175	11/20/2017	11:05:23	0	0	0
176	11/20/2017	11:06:23	0	0	0
177	11/20/2017	11:07:23	0	0	0
178	11/20/2017	11:08:23	0	0	0
179	11/20/2017	11:09:23	0	0	0
180	11/20/2017	11:10:23	0	0	0
181	11/20/2017	11:11:23	0	0	0
182	11/20/2017	11:12:23	0	0	0
183	11/20/2017	11:13:23	0	0	0
184	11/20/2017	11:14:23	0	0	0
185	11/20/2017	11:15:23	0	0	0
186	11/20/2017	11:16:23	0	0	0
187	11/20/2017	11:17:23	0	0	0
188	11/20/2017	11:18:23	0	0	0
189	11/20/2017	11:19:23	0	0	0
190	11/20/2017	11:20:23	0	0	0
191	11/20/2017	11:21:23	0	0	0
192	11/20/2017	11:22:23	0	0	0
193	11/20/2017	11:23:23	0	0	0
194	11/20/2017	11:24:23	0	0	0
195	11/20/2017	11:25:23	0	0	0
196	11/20/2017	11:26:23	0	0	0
197	11/20/2017	11:27:23	0	0	0
198	11/20/2017	11:28:23	0	0	0
199	11/20/2017	11:29:23	0	0	0
200	11/20/2017	11:30:23	0	0	0
201	11/20/2017	11:31:23	0	0	0
202	11/20/2017	11:32:23	0	0	0
203	11/20/2017	11:33:23	0	0	0
204	11/20/2017	11:34:23	0	0	0
205	11/20/2017	11:35:23	0	0	0
206	11/20/2017	11:36:23	0	0	0
207	11/20/2017	11:37:23	0	0	0
208	11/20/2017	11:38:23	0	0	0
209	11/20/2017	11:39:23	0	0	0
210	11/20/2017	11:40:23	0	0	0
211	11/20/2017	11:41:23	0	0	0
212	11/20/2017	11:42:23	0	0	0
213	11/20/2017	11:43:23	0	0	0
214	11/20/2017	11:44:23	0	0	0
215	11/20/2017	11:45:23	0	0	0
216	11/20/2017	11:46:23	0	0	0
217	11/20/2017	11:47:23	0	0	0
218	11/20/2017	11:48:23	0	0	0
219	11/20/2017	11:49:23	0	0	0

			Pine_16464_20180226		
220	11/20/2017	11:50:23	0	0	0
221	11/20/2017	11:51:23	0	0	0
222	11/20/2017	11:52:23	0	0	0
223	11/20/2017	11:53:23	0	0	0
224	11/20/2017	11:54:23	0	0	0
225	11/20/2017	11:55:23	0	0	0
226	11/20/2017	11:56:23	0	0	0
227	11/20/2017	11:57:23	0	0	0
228	11/20/2017	11:58:23	0	0	0
229	11/20/2017	11:59:23	0	0	0
230	11/20/2017	12:00:23	0	0	0
231	11/20/2017	12:01:23	0	1	27
232	11/20/2017	12:02:23	0	0	0
233	11/20/2017	12:03:23	0	0	0
234	11/20/2017	12:04:23	0	0	0
235	11/20/2017	12:05:23	0	0	0
236	11/20/2017	12:06:23	0	0	0
237	11/20/2017	12:07:23	0	0	0
238	11/20/2017	12:08:23	0	0	0
239	11/20/2017	12:09:23	0	0	0
240	11/20/2017	12:10:23	0	0	0
241	11/20/2017	12:11:23	0	0	0
242	11/20/2017	12:12:23	0	0	0
243	11/20/2017	12:13:23	0	0	0
244	11/20/2017	12:14:23	0	0	0
245	11/20/2017	12:15:23	0	0	0
246	11/20/2017	12:16:23	0	0	0
247	11/20/2017	12:17:23	0	0	0
248	11/20/2017	12:18:23	0	0	0
249	11/20/2017	12:19:23	0	0	0
250	11/20/2017	12:20:23	0	0	0
251	11/20/2017	12:21:23	0	0	0
252	11/20/2017	12:22:23	0	0	0
253	11/20/2017	12:23:23	0	0	0
254	11/20/2017	12:24:23	0	0	0
255	11/20/2017	12:25:23	0	0	0
256	11/20/2017	12:26:23	0	0	0
257	11/20/2017	12:27:23	0	0	0
258	11/20/2017	12:28:23	0	0	0
259	11/20/2017	12:29:23	0	0	0
260	11/20/2017	12:30:23	0	0	0
261	11/20/2017	12:31:23	0	0	0
262	11/20/2017	12:32:23	0	0	0
263	11/20/2017	12:33:23	0	0	0
264	11/20/2017	12:34:23	0	0	0
265	11/20/2017	12:35:23	0	0	0
266	11/20/2017	12:36:23	0	0	0
267	11/20/2017	12:37:23	0	0	0

			Pine_16464_20180226		
268	11/20/2017	12:38:23	0	0	0
269	11/20/2017	12:39:23	0	0	0
270	11/20/2017	12:40:23	0	0	0
271	11/20/2017	12:41:23	0	0	0
272	11/20/2017	12:42:23	0	0	0
273	11/20/2017	12:43:23	0	0	0
274	11/20/2017	12:44:23	0	0	0
275	11/20/2017	12:45:23	0	0	0
276	11/20/2017	12:46:23	0	0	0
277	11/20/2017	12:47:23	0	0	0
278	11/20/2017	12:48:23	0	0	0
279	11/20/2017	12:49:23	0	0	0
280	11/20/2017	12:50:23	0	0	0
281	11/20/2017	12:51:23	0	0	0
282	11/20/2017	12:52:23	0	0	0
283	11/20/2017	12:53:23	0	0	0
284	11/20/2017	12:54:23	0	0	0
285	11/20/2017	12:55:23	0	0	0
286	11/20/2017	12:56:23	0	0	0
287	11/20/2017	12:57:23	0	0	0
288	11/20/2017	12:58:23	0	0	0
289	11/20/2017	12:59:23	0	0	0
290	11/20/2017	13:00:23	0	0	0
291	11/20/2017	13:01:23	0	4	62
292	11/20/2017	13:02:23	0	0	0
293	11/20/2017	13:03:23	0	0	0
294	11/20/2017	13:04:23	0	0	0
295	11/20/2017	13:05:23	0	0	0
296	11/20/2017	13:06:23	0	0	0
297	11/20/2017	13:07:23	0	0	0
298	11/20/2017	13:08:23	0	0	0
299	11/20/2017	13:09:23	0	0	0
300	11/20/2017	13:10:23	0	0	0
301	11/20/2017	13:11:23	0	0	17
302	11/20/2017	13:12:23	0	0	17
303	11/20/2017	13:13:23	0	0	0
304	11/20/2017	13:14:23	0	0	0
305	11/20/2017	13:15:23	0	0	0
306	11/20/2017	13:16:23	0	0	0
307	11/20/2017	13:17:23	0	0	0
308	11/20/2017	13:18:23	0	0	0
309	11/20/2017	13:19:23	0	0	0
310	11/20/2017	13:20:23	0	0	0
311	11/20/2017	13:21:23	0	0	0
312	11/20/2017	13:22:23	0	0	0
313	11/20/2017	13:23:23	0	0	0
314	11/20/2017	13:24:23	0	0	0
315	11/20/2017	13:25:23	0	0	0

			Pine_16464_20180226		
316	11/20/2017	13:26:23	0	0	0
317	11/20/2017	13:27:23	0	0	0
318	11/20/2017	13:28:23	0	0	0
319	11/20/2017	13:29:23	0	0	0
320	11/20/2017	13:30:23	0	0	0
321	11/20/2017	13:31:23	0	0	0
322	11/20/2017	13:32:23	0	0	0
323	11/20/2017	13:33:23	0	0	0
324	11/20/2017	13:34:23	0	0	0
325	11/20/2017	13:35:23	0	0	0
326	11/20/2017	13:36:23	0	0	0
327	11/20/2017	13:37:23	0	0	0
328	11/20/2017	13:38:23	0	0	0
329	11/20/2017	13:39:23	0	0	0
330	11/20/2017	13:40:23	0	0	0
331	11/20/2017	13:41:23	0	0	0
332	11/20/2017	13:42:23	0	0	0
333	11/20/2017	13:43:23	0	0	0
334	11/20/2017	13:44:23	0	0	0
335	11/20/2017	13:45:23	0	0	0
336	11/20/2017	13:46:23	0	0	0
337	11/20/2017	13:47:23	0	0	0
338	11/20/2017	13:48:23	0	0	0
339	11/20/2017	13:49:23	0	8	127
340	11/20/2017	13:50:23	0	0	0
341	11/20/2017	13:51:23	0	0	0
342	11/20/2017	13:52:23	0	0	0
343	11/20/2017	13:53:23	0	0	0
344	11/20/2017	13:54:23	0	0	0
345	11/20/2017	13:55:23	0	0	0
346	11/20/2017	13:56:23	0	0	0
347	11/20/2017	13:57:23	0	0	0
348	11/20/2017	13:58:23	0	0	0
349	11/20/2017	13:59:23	0	0	0
350	11/20/2017	14:00:23	0	0	0
351	11/20/2017	14:01:23	0	0	0
352	11/20/2017	14:02:23	0	0	0
353	11/20/2017	14:03:23	0	0	0
354	11/20/2017	14:04:23	0	0	0
355	11/20/2017	14:05:23	0	0	0
356	11/20/2017	14:06:23	0	0	0
357	11/20/2017	14:07:23	0	0	0
358	11/20/2017	14:08:23	0	0	1
359	11/20/2017	14:09:23	0	0	0
360	11/20/2017	14:10:23	0	3	28
361	11/20/2017	14:11:23	0	1	18
362	11/20/2017	14:12:23	0	0	0
363	11/20/2017	14:13:23	0	0	0

			Pine_16464_20180226		
364	11/20/2017	14:14:23	0	0	0
365	11/20/2017	14:15:23	0	0	0
366	11/20/2017	14:16:23	0	0	0
367	11/20/2017	14:17:23	0	0	0
368	11/20/2017	14:18:23	0	0	0
369	11/20/2017	14:19:23	0	0	0
370	11/20/2017	14:20:23	0	0	0
371	11/20/2017	14:21:23	0	0	0
372	11/20/2017	14:22:23	0	0	0
373	11/20/2017	14:23:23	0	0	0
374	11/20/2017	14:24:23	0	0	0
375	11/20/2017	14:25:23	0	0	3
376	11/20/2017	14:26:23	0	0	0
377	11/20/2017	14:27:23	0	0	0
378	11/20/2017	14:28:23	0	0	0
379	11/20/2017	14:29:23	0	0	0
380	11/20/2017	14:30:23	0	0	0
381	11/20/2017	14:31:23	0	0	0
382	11/20/2017	14:32:23	0	2	27
383	11/20/2017	14:33:23	0	0	0
384	11/20/2017	14:34:23	0	0	0
385	11/20/2017	14:35:23	0	0	0
386	11/20/2017	14:36:23	0	0	0
387	11/20/2017	14:37:23	0	0	0
388	11/20/2017	14:38:23	0	0	0
389	11/20/2017	14:39:23	0	0	0
390	11/20/2017	14:40:23	0	0	0
391	11/20/2017	14:41:23	0	20	178
392	11/20/2017	14:42:23	0	8	89
393	11/20/2017	14:43:23	0	3	51
394	11/20/2017	14:44:23	0	0	0
395	11/20/2017	14:45:23	0	0	6
396	11/20/2017	14:46:23	0	1	14
397	11/20/2017	14:47:23	0	0	0
398	11/20/2017	14:48:23	0	0	0
399	11/20/2017	14:49:23	0	0	0
400	11/20/2017	14:50:23	0	0	0
401	11/20/2017	14:51:23	0	0	0
402	11/20/2017	14:52:23	0	0	0
403	11/20/2017	14:53:23	0	0	0
404	11/20/2017	14:54:23	0	0	0
405	11/20/2017	14:55:23	0	0	0
406	11/20/2017	14:56:23	0	0	0
407	11/20/2017	14:57:23	0	0	0
408	11/20/2017	14:58:23	0	0	0
409	11/20/2017	14:59:23	0	0	0
410	11/20/2017	15:00:23	0	0	0
411	11/20/2017	15:01:23	0	0	0

			Pine_16464_20180226		
412	11/20/2017	15:02:23	0	0	0
413	11/20/2017	15:03:23	0	0	0
414	11/20/2017	15:04:23	0	0	0
415	11/20/2017	15:05:23	0	0	0
416	11/20/2017	15:06:23	0	0	0
417	11/20/2017	15:07:23	0	0	0
418	11/20/2017	15:08:23	0	0	0
419	11/20/2017	15:09:23	0	5	92
420	11/20/2017	15:10:23	0	335	1103
421	11/20/2017	15:11:23	0	63	373
422	11/20/2017	15:12:23	0	0	0
423	11/20/2017	15:13:23	0	0	0
424	11/20/2017	15:14:23	0	0	9
425	11/20/2017	15:15:23	0	5	18
426	11/20/2017	15:16:23	0	1	12
427	11/20/2017	15:17:23	0	0	0
428	11/20/2017	15:18:23	0	0	0
429	11/20/2017	15:19:23	0	0	0
430	11/20/2017	15:20:23	0	32	168
431	11/20/2017	15:21:23	0	0	0
432	11/20/2017	15:22:23	0	20	93
433	11/20/2017	15:23:23	0	3	38
434	11/20/2017	15:24:23	0	0	0
435	11/20/2017	15:25:23	0	21	58
436	11/20/2017	15:26:23	0	2	36
437	11/20/2017	15:27:23	0	0	0
438	11/20/2017	15:28:23	0	0	0
439	11/20/2017	15:29:23	0	0	0
440	11/20/2017	15:30:23	0	0	0
441	11/20/2017	15:31:23	0	0	0
442	11/20/2017	15:32:23	0	0	0
443	11/20/2017	15:33:23	0	2	9
444	11/20/2017	15:34:23	0	7	12
445	11/20/2017	15:35:23	0	4	11
446	11/20/2017	15:36:23	0	18	75
447	11/20/2017	15:37:23	5	40	96
448	11/20/2017	15:38:23	36	77	103
449	11/20/2017	15:39:23	0	25	102
450	11/20/2017	15:40:23	0	6	20
451	11/20/2017	15:41:23	11	25	52
452	11/20/2017	15:42:23	8	27	96
453	11/20/2017	15:43:23	0	42	102
454	11/20/2017	15:44:23	0	39	83
455	11/20/2017	15:45:23	14	65	206
456	11/20/2017	15:46:23	14	24	69
457	11/20/2017	15:47:23	8	17	42
458	11/20/2017	15:48:23	0	21	72
459	11/20/2017	15:49:23	7	26	55

			Pine_16464_20180226		
460	11/20/2017	15:50:23	19	32	50
461	11/20/2017	15:51:23	34	208	383
462	11/20/2017	15:52:23	15	83	215
463	11/20/2017	15:53:23	0	80	894
464	11/20/2017	15:54:23	0	4	10
465	11/20/2017	15:55:23	1	9	24
466	11/20/2017	15:56:23	0	9	31
467	11/20/2017	15:57:23	4	36	146
468	11/20/2017	15:58:23	11	27	47
469	11/20/2017	15:59:23	18	45	90
470	11/20/2017	16:00:23	19	60	188
471	11/20/2017	16:01:23	25	59	111
472	11/20/2017	16:02:23	19	39	99
473	11/20/2017	16:03:23	6	23	41
474	11/20/2017	16:04:23	8	22	54
475	11/20/2017	16:05:23	16	56	111
476	11/20/2017	16:06:23	14	50	89
477	11/20/2017	16:07:23	10	58	191
478	11/20/2017	16:08:23	26	60	161
479	11/20/2017	16:09:23	22	57	95
480	11/20/2017	16:10:23	7	22	32
481	11/20/2017	16:11:23	16	29	54
482	11/20/2017	16:12:23	9	32	97
483	11/20/2017	16:13:23	19	37	96
484	11/20/2017	16:14:23	26	40	62
485	11/20/2017	16:15:23	29	62	110
486	11/20/2017	16:16:23	51	74	105
487	11/20/2017	16:17:23	4	37	81
488	11/20/2017	16:18:23	44	74	110
489	11/20/2017	16:19:23	41	77	257
490	11/20/2017	16:20:23	24	40	87
491	11/20/2017	16:21:23	16	38	114
492	11/20/2017	16:22:23	11	29	59
493	11/20/2017	16:23:23	6	35	85
494	11/20/2017	16:24:23	36	90	166
495	11/20/2017	16:25:23	2	11	34
496	11/20/2017	16:26:23	5	12	22
497	11/20/2017	16:27:23	4	33	114
498	11/20/2017	16:28:23	13	21	37
499	11/20/2017	16:29:23	0	11	34
500	11/20/2017	16:30:23	1	5	11
501	11/20/2017	16:31:23	7	71	107
502	11/20/2017	16:32:23	32	102	188
503	11/20/2017	16:33:23	67	79	103
504	11/20/2017	16:34:23	73	106	140
505	11/20/2017	16:35:23	70	113	133
506	11/20/2017	16:36:23	0	24	69
Peak	73	335	1103		

Pine_16464_20180226
Min 0 0 0
Average 2 7 19

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17/11/21 08:24

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 11/21/2017 08:24:49
End 11/21/2017 22:54:10
Sample Period(s) 60
Number of Records 869

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)
001	11/21/2017 08:25:49	0	0	0
002	11/21/2017 08:26:49	0	0	0
003	11/21/2017 08:27:49	0	0	0

Pine_16464_20180226

004	11/21/2017 08:28:49	0	0	0
005	11/21/2017 08:29:49	0	0	0
006	11/21/2017 08:30:49	0	0	0
007	11/21/2017 08:31:49	0	0	0
008	11/21/2017 08:32:49	0	0	0
009	11/21/2017 08:33:49	0	0	0
010	11/21/2017 08:34:49	0	0	0
011	11/21/2017 08:35:49	0	0	0
012	11/21/2017 08:36:49	0	0	0
013	11/21/2017 08:37:49	0	0	0
014	11/21/2017 08:38:49	0	0	0
015	11/21/2017 08:39:49	0	0	0
016	11/21/2017 08:40:49	0	0	0
017	11/21/2017 08:41:49	0	0	0
018	11/21/2017 08:42:49	0	0	0
019	11/21/2017 08:43:49	0	0	0
020	11/21/2017 08:44:49	0	0	0
021	11/21/2017 08:45:49	0	0	0
022	11/21/2017 08:46:49	0	0	0
023	11/21/2017 08:47:49	0	0	0
024	11/21/2017 08:48:49	0	0	0
025	11/21/2017 08:49:49	0	0	0
026	11/21/2017 08:50:49	0	0	0
027	11/21/2017 08:51:49	0	0	0
028	11/21/2017 08:52:49	0	0	0
029	11/21/2017 08:53:49	0	0	0
030	11/21/2017 08:54:49	0	0	0
031	11/21/2017 08:55:49	0	0	0
032	11/21/2017 08:56:49	0	0	0
033	11/21/2017 08:57:49	0	0	0
034	11/21/2017 08:58:49	0	0	0
035	11/21/2017 08:59:49	0	0	0
036	11/21/2017 09:00:49	0	0	0
037	11/21/2017 09:01:49	0	0	0
038	11/21/2017 09:02:49	0	0	0
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386	11/21/2017	14:50:49	0	0	0
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420	11/21/2017	15:24:49	0	0	0
421	11/21/2017	15:25:49	0	0	0
422	11/21/2017	15:26:49	0	0	0
423	11/21/2017	15:27:49	0	0	0
424	11/21/2017	15:28:49	0	0	0
425	11/21/2017	15:29:49	0	0	0
426	11/21/2017	15:30:49	0	0	0
427	11/21/2017	15:31:49	0	0	0
428	11/21/2017	15:32:49	0	0	0
429	11/21/2017	15:33:49	0	0	0
430	11/21/2017	15:34:49	0	0	0
431	11/21/2017	15:35:49	0	0	0
432	11/21/2017	15:36:49	0	0	0
433	11/21/2017	15:37:49	0	0	0
434	11/21/2017	15:38:49	0	0	0
435	11/21/2017	15:39:49	0	0	0

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436	11/21/2017	15:40:49	0	0	0
437	11/21/2017	15:41:49	0	0	0
438	11/21/2017	15:42:49	0	0	0
439	11/21/2017	15:43:49	0	0	0
440	11/21/2017	15:44:49	0	0	0
441	11/21/2017	15:45:49	0	0	0
442	11/21/2017	15:46:49	0	0	0
443	11/21/2017	15:47:49	0	0	0
444	11/21/2017	15:48:49	0	0	0
445	11/21/2017	15:49:49	0	0	0
446	11/21/2017	15:50:49	0	0	0
447	11/21/2017	15:51:49	0	0	0
448	11/21/2017	15:52:49	0	0	0
449	11/21/2017	15:53:49	0	0	0
450	11/21/2017	15:54:49	0	0	0
451	11/21/2017	15:55:49	0	0	0
452	11/21/2017	15:56:49	0	0	0
453	11/21/2017	15:57:49	0	0	0
454	11/21/2017	15:58:49	0	0	0
455	11/21/2017	15:59:49	0	0	0
456	11/21/2017	16:00:49	0	0	0
457	11/21/2017	16:01:49	0	0	0
458	11/21/2017	16:02:49	0	0	0
459	11/21/2017	16:03:49	0	0	0
460	11/21/2017	16:04:49	0	0	0
461	11/21/2017	16:05:49	0	0	0
462	11/21/2017	16:06:49	0	0	0
463	11/21/2017	16:07:49	0	0	0
464	11/21/2017	16:08:49	0	0	0
465	11/21/2017	16:09:49	0	0	0
466	11/21/2017	16:10:49	0	0	0
467	11/21/2017	16:11:49	0	0	0
468	11/21/2017	16:12:49	0	0	0
469	11/21/2017	16:13:49	0	0	0
470	11/21/2017	16:14:49	0	0	0
471	11/21/2017	16:15:49	0	0	0
472	11/21/2017	16:16:49	0	0	0
473	11/21/2017	16:17:49	0	0	0
474	11/21/2017	16:18:49	0	0	0
475	11/21/2017	16:19:49	0	0	0
476	11/21/2017	16:20:49	0	0	0
477	11/21/2017	16:21:49	0	0	0
478	11/21/2017	16:22:49	0	0	0
479	11/21/2017	16:23:49	0	0	0
480	11/21/2017	16:24:49	0	0	0
481	11/21/2017	16:25:49	0	0	0
482	11/21/2017	16:26:49	0	0	0
483	11/21/2017	16:27:49	0	0	0

			Pine_16464_20180226		
484	11/21/2017	16:28:49	0	0	0
485	11/21/2017	16:29:49	0	0	0
486	11/21/2017	16:30:49	0	0	0
487	11/21/2017	16:31:49	0	0	0
488	11/21/2017	16:32:49	0	0	0
489	11/21/2017	16:33:49	0	110	394
490	11/21/2017	16:34:49	0	267	485
491	11/21/2017	16:35:49	0	0	0
492	11/21/2017	16:36:49	0	0	0
493	11/21/2017	16:37:49	0	0	0
494	11/21/2017	16:38:49	0	0	0
495	11/21/2017	16:39:49	0	0	0
496	11/21/2017	16:40:49	0	0	0
497	11/21/2017	16:41:49	0	0	0
498	11/21/2017	16:42:49	0	0	0
499	11/21/2017	16:43:49	0	0	0
500	11/21/2017	16:44:49	0	0	0
501	11/21/2017	16:45:49	0	0	0
502	11/21/2017	16:46:49	0	0	0
503	11/21/2017	16:47:49	0	0	0
504	11/21/2017	16:48:49	0	0	0
505	11/21/2017	16:49:49	0	0	0
506	11/21/2017	16:50:49	0	0	0
507	11/21/2017	16:51:49	0	0	0
508	11/21/2017	16:52:49	0	0	0
509	11/21/2017	16:53:49	0	0	0
510	11/21/2017	16:54:49	0	0	0
511	11/21/2017	16:55:49	0	0	0
512	11/21/2017	16:56:49	0	0	0
513	11/21/2017	16:57:49	0	0	0
514	11/21/2017	16:58:49	0	0	0
515	11/21/2017	16:59:49	0	0	0
516	11/21/2017	17:00:49	0	0	0
517	11/21/2017	17:01:49	0	0	0
518	11/21/2017	17:02:49	0	0	0
519	11/21/2017	17:03:49	0	0	0
520	11/21/2017	17:04:49	0	0	0
521	11/21/2017	17:05:49	0	4	29
522	11/21/2017	17:06:49	0	0	5
523	11/21/2017	17:07:49	0	9	49
524	11/21/2017	17:08:49	0	3	48
525	11/21/2017	17:09:49	0	14	77
526	11/21/2017	17:10:49	0	4	28
527	11/21/2017	17:11:49	11	63	140
528	11/21/2017	17:12:49	37	80	157
529	11/21/2017	17:13:49	42	109	194
530	11/21/2017	17:14:49	52	104	144
531	11/21/2017	17:15:49	80	147	248

			Pine_16464_20180226		
532	11/21/2017	17:16:49	89	191	311
533	11/21/2017	17:17:49	163	267	397
534	11/21/2017	17:18:49	106	211	441
535	11/21/2017	17:19:49	120	172	252
536	11/21/2017	17:20:49	157	255	325
537	11/21/2017	17:21:49	161	280	473
538	11/21/2017	17:22:49	187	244	390
539	11/21/2017	17:23:49	206	268	436
540	11/21/2017	17:24:49	220	314	396
541	11/21/2017	17:25:49	208	230	331
542	11/21/2017	17:26:49	205	252	355
543	11/21/2017	17:27:49	219	248	270
544	11/21/2017	17:28:49	255	319	485
545	11/21/2017	17:29:49	246	265	318
546	11/21/2017	17:30:49	244	303	405
547	11/21/2017	17:31:49	243	262	285
548	11/21/2017	17:32:49	248	274	299
549	11/21/2017	17:33:49	243	263	347
550	11/21/2017	17:34:49	287	343	459
551	11/21/2017	17:35:49	275	305	348
552	11/21/2017	17:36:49	277	299	335
553	11/21/2017	17:37:49	297	308	334
554	11/21/2017	17:38:49	307	325	355
555	11/21/2017	17:39:49	325	337	353
556	11/21/2017	17:40:49	322	331	342
557	11/21/2017	17:41:49	328	351	378
558	11/21/2017	17:42:49	330	340	349
559	11/21/2017	17:43:49	343	355	378
560	11/21/2017	17:44:49	353	378	406
561	11/21/2017	17:45:49	364	385	417
562	11/21/2017	17:46:49	376	397	428
563	11/21/2017	17:47:49	408	423	437
564	11/21/2017	17:48:49	407	416	434
565	11/21/2017	17:49:49	406	414	425
566	11/21/2017	17:50:49	423	445	463
567	11/21/2017	17:51:49	440	452	467
568	11/21/2017	17:52:49	462	485	548
569	11/21/2017	17:53:49	469	492	526
570	11/21/2017	17:54:49	480	499	521
571	11/21/2017	17:55:49	480	498	544
572	11/21/2017	17:56:49	542	549	558
573	11/21/2017	17:57:49	551	554	557
574	11/21/2017	17:58:49	556	558	561
575	11/21/2017	17:59:49	554	556	562
576	11/21/2017	18:00:49	551	555	561
577	11/21/2017	18:01:49	553	558	570
578	11/21/2017	18:02:49	561	572	599
579	11/21/2017	18:03:49	597	613	639

			Pine_16464_20180226		
580	11/21/2017	18:04:49	625	670	749
581	11/21/2017	18:05:49	662	694	721
582	11/21/2017	18:06:49	665	705	786
583	11/21/2017	18:07:49	623	685	731
584	11/21/2017	18:08:49	645	680	730
585	11/21/2017	18:09:49	636	670	703
586	11/21/2017	18:10:49	640	710	780
587	11/21/2017	18:11:49	696	757	842
588	11/21/2017	18:12:49	660	720	796
589	11/21/2017	18:13:49	710	809	879
590	11/21/2017	18:14:49	687	723	780
591	11/21/2017	18:15:49	681	714	794
592	11/21/2017	18:16:49	682	732	792
593	11/21/2017	18:17:49	714	748	839
594	11/21/2017	18:18:49	687	735	812
595	11/21/2017	18:19:49	703	724	791
596	11/21/2017	18:20:49	701	707	715
597	11/21/2017	18:21:49	701	732	765
598	11/21/2017	18:22:49	721	727	742
599	11/21/2017	18:23:49	742	779	827
600	11/21/2017	18:24:49	744	761	777
601	11/21/2017	18:25:49	757	770	784
602	11/21/2017	18:26:49	758	771	806
603	11/21/2017	18:27:49	756	769	792
604	11/21/2017	18:28:49	773	787	814
605	11/21/2017	18:29:49	789	824	913
606	11/21/2017	18:30:49	793	811	864
607	11/21/2017	18:31:49	803	830	880
608	11/21/2017	18:32:49	854	858	870
609	11/21/2017	18:33:49	856	860	864
610	11/21/2017	18:34:49	862	864	871
611	11/21/2017	18:35:49	861	862	865
612	11/21/2017	18:36:49	859	861	865
613	11/21/2017	18:37:49	854	859	867
614	11/21/2017	18:38:49	858	864	874
615	11/21/2017	18:39:49	873	885	903
616	11/21/2017	18:40:49	903	924	941
617	11/21/2017	18:41:49	932	963	994
618	11/21/2017	18:42:49	930	958	998
619	11/21/2017	18:43:49	906	947	1001
620	11/21/2017	18:44:49	902	934	958
621	11/21/2017	18:45:49	933	951	971
622	11/21/2017	18:46:49	919	947	984
623	11/21/2017	18:47:49	928	956	1016
624	11/21/2017	18:48:49	918	949	984
625	11/21/2017	18:49:49	912	939	984
626	11/21/2017	18:50:49	934	997	1144
627	11/21/2017	18:51:49	936	957	984

			Pine_16464_20180226		
628	11/21/2017	18:52:49	945	973	1008
629	11/21/2017	18:53:49	954	974	1004
630	11/21/2017	18:54:49	977	1034	1118
631	11/21/2017	18:55:49	981	1029	1131
632	11/21/2017	18:56:49	975	1014	1066
633	11/21/2017	18:57:49	971	986	1001
634	11/21/2017	18:58:49	970	998	1024
635	11/21/2017	18:59:49	983	998	1022
636	11/21/2017	19:00:49	1004	1023	1042
637	11/21/2017	19:01:49	1020	1022	1026
638	11/21/2017	19:02:49	1019	1022	1026
639	11/21/2017	19:03:49	1019	1023	1025
640	11/21/2017	19:04:49	1022	1025	1029
641	11/21/2017	19:05:49	1019	1022	1027
642	11/21/2017	19:06:49	1018	1024	1027
643	11/21/2017	19:07:49	1018	1022	1031
644	11/21/2017	19:08:49	1030	1037	1047
645	11/21/2017	19:09:49	1040	1047	1064
646	11/21/2017	19:10:49	1048	1058	1073
647	11/21/2017	19:11:49	1046	1069	1082
648	11/21/2017	19:12:49	1055	1064	1083
649	11/21/2017	19:13:49	1060	1083	1130
650	11/21/2017	19:14:49	1049	1102	1191
651	11/21/2017	19:15:49	1061	1096	1143
652	11/21/2017	19:16:49	1065	1088	1122
653	11/21/2017	19:17:49	1073	1097	1128
654	11/21/2017	19:18:49	1082	1103	1136
655	11/21/2017	19:19:49	1061	1099	1125
656	11/21/2017	19:20:49	1072	1089	1113
657	11/21/2017	19:21:49	1081	1100	1111
658	11/21/2017	19:22:49	1077	1110	1129
659	11/21/2017	19:23:49	1079	1124	1162
660	11/21/2017	19:24:49	1067	1098	1138
661	11/21/2017	19:25:49	1072	1105	1156
662	11/21/2017	19:26:49	1072	1094	1145
663	11/21/2017	19:27:49	1085	1115	1178
664	11/21/2017	19:28:49	1101	1104	1110
665	11/21/2017	19:29:49	1099	1101	1103
666	11/21/2017	19:30:49	1097	1102	1105
667	11/21/2017	19:31:49	1099	1100	1103
668	11/21/2017	19:32:49	1097	1100	1102
669	11/21/2017	19:33:49	1098	1100	1104
670	11/21/2017	19:34:49	1098	1099	1102
671	11/21/2017	19:35:49	1099	1105	1109
672	11/21/2017	19:36:49	1109	1112	1117
673	11/21/2017	19:37:49	1110	1122	1136
674	11/21/2017	19:38:49	1118	1126	1133
675	11/21/2017	19:39:49	1105	1115	1124

			Pine_16464_20180226		
676	11/21/2017	19:40:49	1105	1113	1121
677	11/21/2017	19:41:49	1109	1124	1141
678	11/21/2017	19:42:49	1113	1124	1141
679	11/21/2017	19:43:49	1108	1120	1138
680	11/21/2017	19:44:49	1114	1132	1159
681	11/21/2017	19:45:49	1114	1133	1152
682	11/21/2017	19:46:49	1118	1143	1181
683	11/21/2017	19:47:49	1127	1155	1184
684	11/21/2017	19:48:49	1136	1155	1190
685	11/21/2017	19:49:49	1137	1156	1186
686	11/21/2017	19:50:49	1148	1164	1186
687	11/21/2017	19:51:49	1132	1152	1171
688	11/21/2017	19:52:49	1136	1149	1173
689	11/21/2017	19:53:49	1127	1147	1163
690	11/21/2017	19:54:49	1133	1145	1159
691	11/21/2017	19:55:49	1133	1138	1143
692	11/21/2017	19:56:49	1130	1133	1138
693	11/21/2017	19:57:49	1132	1134	1138
694	11/21/2017	19:58:49	1130	1132	1134
695	11/21/2017	19:59:49	1126	1130	1134
696	11/21/2017	20:00:49	1124	1128	1132
697	11/21/2017	20:01:49	1123	1126	1131
698	11/21/2017	20:02:49	1128	1132	1136
699	11/21/2017	20:03:49	1132	1135	1141
700	11/21/2017	20:04:49	1135	1144	1158
701	11/21/2017	20:05:49	1135	1142	1152
702	11/21/2017	20:06:49	1135	1142	1154
703	11/21/2017	20:07:49	1133	1139	1148
704	11/21/2017	20:08:49	1127	1134	1145
705	11/21/2017	20:09:49	1126	1134	1139
706	11/21/2017	20:10:49	1128	1136	1148
707	11/21/2017	20:11:49	1132	1136	1147
708	11/21/2017	20:12:49	1130	1135	1144
709	11/21/2017	20:13:49	1131	1137	1156
710	11/21/2017	20:14:49	1131	1153	1195
711	11/21/2017	20:15:49	1133	1150	1165
712	11/21/2017	20:16:49	1146	1164	1208
713	11/21/2017	20:17:49	1142	1164	1200
714	11/21/2017	20:18:49	1149	1161	1194
715	11/21/2017	20:19:49	1134	1150	1166
716	11/21/2017	20:20:49	1128	1145	1163
717	11/21/2017	20:21:49	1133	1139	1145
718	11/21/2017	20:22:49	1131	1135	1140
719	11/21/2017	20:23:49	1134	1135	1137
720	11/21/2017	20:24:49	1133	1136	1141
721	11/21/2017	20:25:49	1132	1135	1138
722	11/21/2017	20:26:49	1130	1134	1137
723	11/21/2017	20:27:49	1126	1130	1136

			Pine_16464_20180226		
724	11/21/2017	20:28:49	1130	1133	1139
725	11/21/2017	20:29:49	1135	1138	1142
726	11/21/2017	20:30:49	1140	1146	1152
727	11/21/2017	20:31:49	1136	1143	1153
728	11/21/2017	20:32:49	1134	1143	1156
729	11/21/2017	20:33:49	1135	1141	1152
730	11/21/2017	20:34:49	1139	1143	1151
731	11/21/2017	20:35:49	1134	1139	1145
732	11/21/2017	20:36:49	1130	1133	1138
733	11/21/2017	20:37:49	1130	1140	1152
734	11/21/2017	20:38:49	1129	1136	1141
735	11/21/2017	20:39:49	1126	1141	1154
736	11/21/2017	20:40:49	1125	1135	1148
737	11/21/2017	20:41:49	1132	1142	1157
738	11/21/2017	20:42:49	1131	1138	1151
739	11/21/2017	20:43:49	1133	1140	1149
740	11/21/2017	20:44:49	1124	1143	1162
741	11/21/2017	20:45:49	1111	1133	1151
742	11/21/2017	20:46:49	1124	1131	1149
743	11/21/2017	20:47:49	1119	1122	1127
744	11/21/2017	20:48:49	1120	1123	1127
745	11/21/2017	20:49:49	1117	1121	1124
746	11/21/2017	20:50:49	1120	1122	1127
747	11/21/2017	20:51:49	1119	1123	1126
748	11/21/2017	20:52:49	1114	1119	1124
749	11/21/2017	20:53:49	1118	1123	1128
750	11/21/2017	20:54:49	1123	1126	1130
751	11/21/2017	20:55:49	1121	1125	1128
752	11/21/2017	20:56:49	1121	1125	1130
753	11/21/2017	20:57:49	1123	1128	1142
754	11/21/2017	20:58:49	1119	1126	1141
755	11/21/2017	20:59:49	1116	1124	1139
756	11/21/2017	21:00:49	1114	1121	1130
757	11/21/2017	21:01:49	1117	1124	1136
758	11/21/2017	21:02:49	1117	1122	1129
759	11/21/2017	21:03:49	1119	1124	1131
760	11/21/2017	21:04:49	1120	1124	1135
761	11/21/2017	21:05:49	1119	1123	1130
762	11/21/2017	21:06:49	1115	1126	1142
763	11/21/2017	21:07:49	1117	1126	1137
764	11/21/2017	21:08:49	1115	1122	1132
765	11/21/2017	21:09:49	1114	1121	1135
766	11/21/2017	21:10:49	1097	1115	1135
767	11/21/2017	21:11:49	1104	1108	1114
768	11/21/2017	21:12:49	1101	1103	1106
769	11/21/2017	21:13:49	1101	1103	1108
770	11/21/2017	21:14:49	1098	1101	1106
771	11/21/2017	21:15:49	1100	1104	1106

			Pine_16464_20180226		
772	11/21/2017	21:16:49	1094	1100	1105
773	11/21/2017	21:17:49	1090	1098	1104
774	11/21/2017	21:18:49	1101	1105	1110
775	11/21/2017	21:19:49	1101	1104	1109
776	11/21/2017	21:20:49	1101	1104	1109
777	11/21/2017	21:21:49	1102	1105	1108
778	11/21/2017	21:22:49	1099	1106	1115
779	11/21/2017	21:23:49	1100	1108	1120
780	11/21/2017	21:24:49	1100	1106	1115
781	11/21/2017	21:25:49	1095	1100	1108
782	11/21/2017	21:26:49	1093	1098	1108
783	11/21/2017	21:27:49	1088	1094	1107
784	11/21/2017	21:28:49	1091	1096	1103
785	11/21/2017	21:29:49	1086	1096	1109
786	11/21/2017	21:30:49	1095	1100	1110
787	11/21/2017	21:31:49	1086	1096	1114
788	11/21/2017	21:32:49	1084	1094	1109
789	11/21/2017	21:33:49	1077	1089	1098
790	11/21/2017	21:34:49	1057	1083	1105
791	11/21/2017	21:35:49	1085	1090	1107
792	11/21/2017	21:36:49	1077	1082	1086
793	11/21/2017	21:37:49	1076	1080	1083
794	11/21/2017	21:38:49	1073	1078	1082
795	11/21/2017	21:39:49	1074	1079	1081
796	11/21/2017	21:40:49	1050	1069	1081
797	11/21/2017	21:41:49	1059	1067	1078
798	11/21/2017	21:42:49	1075	1078	1081
799	11/21/2017	21:43:49	1071	1077	1082
800	11/21/2017	21:44:49	1063	1069	1078
801	11/21/2017	21:45:49	1066	1071	1078
802	11/21/2017	21:46:49	1066	1075	1094
803	11/21/2017	21:47:49	1075	1082	1092
804	11/21/2017	21:48:49	1071	1078	1086
805	11/21/2017	21:49:49	1070	1073	1080
806	11/21/2017	21:50:49	1069	1075	1085
807	11/21/2017	21:51:49	1062	1070	1077
808	11/21/2017	21:52:49	1061	1070	1080
809	11/21/2017	21:53:49	1070	1078	1085
810	11/21/2017	21:54:49	1072	1081	1088
811	11/21/2017	21:55:49	1060	1083	1096
812	11/21/2017	21:56:49	1075	1083	1093
813	11/21/2017	21:57:49	1063	1081	1114
814	11/21/2017	21:58:49	1043	1077	1105
815	11/21/2017	21:59:49	1067	1079	1111
816	11/21/2017	22:00:49	1051	1058	1067
817	11/21/2017	22:01:49	1048	1050	1054
818	11/21/2017	22:02:49	1048	1050	1054
819	11/21/2017	22:03:49	1043	1046	1052

			Pine_16464_20180226		
820	11/21/2017	22:04:49	1045	1048	1054
821	11/21/2017	22:05:49	1029	1042	1049
822	11/21/2017	22:06:49	1019	1037	1050
823	11/21/2017	22:07:49	1040	1045	1052
824	11/21/2017	22:08:49	1042	1046	1050
825	11/21/2017	22:09:49	1042	1044	1048
826	11/21/2017	22:10:49	1042	1045	1049
827	11/21/2017	22:11:49	1044	1050	1059
828	11/21/2017	22:12:49	1043	1048	1054
829	11/21/2017	22:13:49	1045	1051	1060
830	11/21/2017	22:14:49	1040	1048	1062
831	11/21/2017	22:15:49	1038	1042	1054
832	11/21/2017	22:16:49	1032	1039	1044
833	11/21/2017	22:17:49	1030	1036	1050
834	11/21/2017	22:18:49	1028	1034	1043
835	11/21/2017	22:19:49	1031	1035	1042
836	11/21/2017	22:20:49	1030	1035	1042
837	11/21/2017	22:21:49	1021	1030	1043
838	11/21/2017	22:22:49	1017	1031	1040
839	11/21/2017	22:23:49	988	1025	1040
840	11/21/2017	22:24:49	1015	1022	1033
841	11/21/2017	22:25:49	1008	1011	1014
842	11/21/2017	22:26:49	1007	1010	1013
843	11/21/2017	22:27:49	1006	1008	1012
844	11/21/2017	22:28:49	1008	1011	1015
845	11/21/2017	22:29:49	1007	1011	1015
846	11/21/2017	22:30:49	983	999	1011
847	11/21/2017	22:31:49	990	1001	1007
848	11/21/2017	22:32:49	1002	1006	1011
849	11/21/2017	22:33:49	1003	1008	1015
850	11/21/2017	22:34:49	1005	1008	1013
851	11/21/2017	22:35:49	1007	1012	1018
852	11/21/2017	22:36:49	1002	1008	1015
853	11/21/2017	22:37:49	1002	1004	1010
854	11/21/2017	22:38:49	1001	1004	1008
855	11/21/2017	22:39:49	1000	1004	1009
856	11/21/2017	22:40:49	992	998	1003
857	11/21/2017	22:41:49	997	1000	1006
858	11/21/2017	22:42:49	996	1001	1008
859	11/21/2017	22:43:49	994	1000	1005
860	11/21/2017	22:44:49	999	1012	1046
861	11/21/2017	22:45:49	1009	1024	1053
862	11/21/2017	22:46:49	1003	1012	1036
863	11/21/2017	22:47:49	995	1011	1033
864	11/21/2017	22:48:49	987	1007	1014
865	11/21/2017	22:49:49	984	1028	1049
866	11/21/2017	22:50:49	1018	1021	1026
867	11/21/2017	22:51:49	1016	1018	1021

			Pine_16464_20180226
868	11/21/2017 22:52:49	1014	1136 1328
869	11/21/2017 22:53:49	1140	1320 2062
Peak	1149 1320	2912	
Min	0 0	0	
Average	362 370	385	

17/11/22 08:18

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Battery Low

Site ID 00000056
User ID 00000001

Begin 11/22/2017 08:18:03
End 11/22/2017 15:34:06
Sample Period(s) 60
Number of Records 436

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

	VOC(ppb)	VOC(ppb)	VOC(ppb)
Index	Date/Time	(Min)	(Avg) (Max)

			Pine_16464_20180226		
001	11/22/2017	08:19:03	0	0	0
002	11/22/2017	08:20:03	0	0	0
003	11/22/2017	08:21:03	0	0	0
004	11/22/2017	08:22:03	0	0	0
005	11/22/2017	08:23:03	0	0	0
006	11/22/2017	08:24:03	0	0	0
007	11/22/2017	08:25:03	0	0	0
008	11/22/2017	08:26:03	0	0	0
009	11/22/2017	08:27:03	0	0	0
010	11/22/2017	08:28:03	0	0	0
011	11/22/2017	08:29:03	0	0	0
012	11/22/2017	08:30:03	0	0	0
013	11/22/2017	08:31:03	0	0	0
014	11/22/2017	08:32:03	0	0	0
015	11/22/2017	08:33:03	0	0	0
016	11/22/2017	08:34:03	0	0	0
017	11/22/2017	08:35:03	0	0	0
018	11/22/2017	08:36:03	0	0	0
019	11/22/2017	08:37:03	0	0	0
020	11/22/2017	08:38:03	0	0	0
021	11/22/2017	08:39:03	0	0	0
022	11/22/2017	08:40:03	0	0	0
023	11/22/2017	08:41:03	0	0	0
024	11/22/2017	08:42:03	0	0	0
025	11/22/2017	08:43:03	0	0	0
026	11/22/2017	08:44:03	0	0	0
027	11/22/2017	08:45:03	0	0	0
028	11/22/2017	08:46:03	0	0	0
029	11/22/2017	08:47:03	0	0	0
030	11/22/2017	08:48:03	0	0	0
031	11/22/2017	08:49:03	0	0	0
032	11/22/2017	08:50:03	0	0	0
033	11/22/2017	08:51:03	0	0	0
034	11/22/2017	08:52:03	0	0	0
035	11/22/2017	08:53:03	0	0	0
036	11/22/2017	08:54:03	0	0	0
037	11/22/2017	08:55:03	0	0	0
038	11/22/2017	08:56:03	0	0	0
039	11/22/2017	08:57:03	0	0	0
040	11/22/2017	08:58:03	0	0	0
041	11/22/2017	08:59:03	0	0	0
042	11/22/2017	09:00:03	0	0	0
043	11/22/2017	09:01:03	0	0	0
044	11/22/2017	09:02:03	0	0	0
045	11/22/2017	09:03:03	0	0	0
046	11/22/2017	09:04:03	0	0	0
047	11/22/2017	09:05:03	0	0	0
048	11/22/2017	09:06:03	0	0	0

			Pine_16464_20180226		
049	11/22/2017	09:07:03	0	0	0
050	11/22/2017	09:08:03	0	0	0
051	11/22/2017	09:09:03	0	0	0
052	11/22/2017	09:10:03	0	0	0
053	11/22/2017	09:11:03	0	0	0
054	11/22/2017	09:12:03	0	0	0
055	11/22/2017	09:13:03	0	0	0
056	11/22/2017	09:14:03	0	0	0
057	11/22/2017	09:15:03	0	0	0
058	11/22/2017	09:16:03	0	0	0
059	11/22/2017	09:17:03	0	0	0
060	11/22/2017	09:18:03	0	0	0
061	11/22/2017	09:19:03	0	0	0
062	11/22/2017	09:20:03	0	0	0
063	11/22/2017	09:21:03	0	0	0
064	11/22/2017	09:22:03	0	0	0
065	11/22/2017	09:23:03	0	0	0
066	11/22/2017	09:24:03	0	0	0
067	11/22/2017	09:25:03	0	0	0
068	11/22/2017	09:26:03	0	0	0
069	11/22/2017	09:27:03	0	0	0
070	11/22/2017	09:28:03	0	0	0
071	11/22/2017	09:29:03	0	0	0
072	11/22/2017	09:30:03	0	0	0
073	11/22/2017	09:31:03	0	0	0
074	11/22/2017	09:32:03	0	0	0
075	11/22/2017	09:33:03	0	0	0
076	11/22/2017	09:34:03	0	0	0
077	11/22/2017	09:35:03	0	0	0
078	11/22/2017	09:36:03	0	0	0
079	11/22/2017	09:37:03	0	0	0
080	11/22/2017	09:38:03	0	0	0
081	11/22/2017	09:39:03	0	0	0
082	11/22/2017	09:40:03	0	0	0
083	11/22/2017	09:41:03	0	0	0
084	11/22/2017	09:42:03	0	0	0
085	11/22/2017	09:43:03	0	0	0
086	11/22/2017	09:44:03	0	0	0
087	11/22/2017	09:45:03	0	0	0
088	11/22/2017	09:46:03	0	0	0
089	11/22/2017	09:47:03	0	0	0
090	11/22/2017	09:48:03	0	0	0
091	11/22/2017	09:49:03	0	0	0
092	11/22/2017	09:50:03	0	0	0
093	11/22/2017	09:51:03	0	0	0
094	11/22/2017	09:52:03	0	0	0
095	11/22/2017	09:53:03	0	0	0
096	11/22/2017	09:54:03	0	0	0

			Pine_16464_20180226		
097	11/22/2017	09:55:03	0	0	0
098	11/22/2017	09:56:03	0	0	0
099	11/22/2017	09:57:03	0	0	0
100	11/22/2017	09:58:03	0	0	0
101	11/22/2017	09:59:03	0	0	0
102	11/22/2017	10:00:03	0	0	0
103	11/22/2017	10:01:03	0	0	0
104	11/22/2017	10:02:03	0	0	0
105	11/22/2017	10:03:03	0	0	0
106	11/22/2017	10:04:03	0	0	0
107	11/22/2017	10:05:03	0	0	0
108	11/22/2017	10:06:03	0	0	0
109	11/22/2017	10:07:03	0	0	0
110	11/22/2017	10:08:03	0	0	0
111	11/22/2017	10:09:03	0	0	0
112	11/22/2017	10:10:03	0	0	0
113	11/22/2017	10:11:03	0	0	0
114	11/22/2017	10:12:03	0	0	0
115	11/22/2017	10:13:03	0	0	0
116	11/22/2017	10:14:03	0	0	0
117	11/22/2017	10:15:03	0	0	0
118	11/22/2017	10:16:03	0	0	0
119	11/22/2017	10:17:03	0	0	0
120	11/22/2017	10:18:03	0	0	0
121	11/22/2017	10:19:03	0	0	0
122	11/22/2017	10:20:03	0	0	0
123	11/22/2017	10:21:03	0	0	0
124	11/22/2017	10:22:03	0	0	0
125	11/22/2017	10:23:03	0	0	0
126	11/22/2017	10:24:03	0	0	0
127	11/22/2017	10:25:03	0	0	0
128	11/22/2017	10:26:03	0	0	0
129	11/22/2017	10:27:03	0	0	0
130	11/22/2017	10:28:03	0	0	0
131	11/22/2017	10:29:03	0	0	0
132	11/22/2017	10:30:03	0	0	0
133	11/22/2017	10:31:03	0	0	0
134	11/22/2017	10:32:03	0	0	0
135	11/22/2017	10:33:03	0	0	0
136	11/22/2017	10:34:03	0	0	0
137	11/22/2017	10:35:03	0	0	0
138	11/22/2017	10:36:03	0	0	0
139	11/22/2017	10:37:03	0	0	0
140	11/22/2017	10:38:03	0	0	0
141	11/22/2017	10:39:03	0	0	0
142	11/22/2017	10:40:03	0	0	0
143	11/22/2017	10:41:03	0	0	0
144	11/22/2017	10:42:03	0	0	0

			Pine_16464_20180226		
145	11/22/2017	10:43:03	0	0	0
146	11/22/2017	10:44:03	0	0	0
147	11/22/2017	10:45:03	0	0	0
148	11/22/2017	10:46:03	0	0	0
149	11/22/2017	10:47:03	0	0	0
150	11/22/2017	10:48:03	0	0	0
151	11/22/2017	10:49:03	0	0	0
152	11/22/2017	10:50:03	0	0	0
153	11/22/2017	10:51:03	0	0	0
154	11/22/2017	10:52:03	0	0	0
155	11/22/2017	10:53:03	0	0	0
156	11/22/2017	10:54:03	0	0	0
157	11/22/2017	10:55:03	0	0	0
158	11/22/2017	10:56:03	0	0	0
159	11/22/2017	10:57:03	0	0	0
160	11/22/2017	10:58:03	0	0	0
161	11/22/2017	10:59:03	0	0	0
162	11/22/2017	11:00:03	0	0	0
163	11/22/2017	11:01:03	0	0	0
164	11/22/2017	11:02:03	0	0	0
165	11/22/2017	11:03:03	0	0	0
166	11/22/2017	11:04:03	0	0	0
167	11/22/2017	11:05:03	0	0	0
168	11/22/2017	11:06:03	0	0	0
169	11/22/2017	11:07:03	0	0	0
170	11/22/2017	11:08:03	0	0	0
171	11/22/2017	11:09:03	0	0	0
172	11/22/2017	11:10:03	0	0	0
173	11/22/2017	11:11:03	0	0	0
174	11/22/2017	11:12:03	0	0	0
175	11/22/2017	11:13:03	0	0	0
176	11/22/2017	11:14:03	0	0	0
177	11/22/2017	11:15:03	0	0	0
178	11/22/2017	11:16:03	0	0	0
179	11/22/2017	11:17:03	0	0	0
180	11/22/2017	11:18:03	0	0	0
181	11/22/2017	11:19:03	0	0	0
182	11/22/2017	11:20:03	0	0	0
183	11/22/2017	11:21:03	0	0	0
184	11/22/2017	11:22:03	0	0	0
185	11/22/2017	11:23:03	0	0	0
186	11/22/2017	11:24:03	0	0	0
187	11/22/2017	11:25:03	0	0	0
188	11/22/2017	11:26:03	0	0	0
189	11/22/2017	11:27:03	0	0	0
190	11/22/2017	11:28:03	0	0	0
191	11/22/2017	11:29:03	0	0	0
192	11/22/2017	11:30:03	0	0	0

			Pine_16464_20180226		
193	11/22/2017	11:31:03	0	0	0
194	11/22/2017	11:32:03	0	0	0
195	11/22/2017	11:33:03	0	0	0
196	11/22/2017	11:34:03	0	0	0
197	11/22/2017	11:35:03	0	0	0
198	11/22/2017	11:36:03	0	0	0
199	11/22/2017	11:37:03	0	0	0
200	11/22/2017	11:38:03	0	0	0
201	11/22/2017	11:39:03	0	0	0
202	11/22/2017	11:40:03	0	0	0
203	11/22/2017	11:41:03	0	0	0
204	11/22/2017	11:42:03	0	0	0
205	11/22/2017	11:43:03	0	0	0
206	11/22/2017	11:44:03	0	0	0
207	11/22/2017	11:45:03	0	0	0
208	11/22/2017	11:46:03	0	0	0
209	11/22/2017	11:47:03	0	0	0
210	11/22/2017	11:48:03	0	0	0
211	11/22/2017	11:49:03	0	0	0
212	11/22/2017	11:50:03	0	0	0
213	11/22/2017	11:51:03	0	0	0
214	11/22/2017	11:52:03	0	0	0
215	11/22/2017	11:53:03	0	0	0
216	11/22/2017	11:54:03	0	0	0
217	11/22/2017	11:55:03	0	0	0
218	11/22/2017	11:56:03	0	0	0
219	11/22/2017	11:57:03	0	0	0
220	11/22/2017	11:58:03	0	0	0
221	11/22/2017	11:59:03	0	0	0
222	11/22/2017	12:00:03	0	0	0
223	11/22/2017	12:01:03	0	0	0
224	11/22/2017	12:02:03	0	0	0
225	11/22/2017	12:03:03	0	0	0
226	11/22/2017	12:04:03	0	0	0
227	11/22/2017	12:05:03	0	0	0
228	11/22/2017	12:06:03	0	0	0
229	11/22/2017	12:07:03	0	0	0
230	11/22/2017	12:08:03	0	0	0
231	11/22/2017	12:09:03	0	0	0
232	11/22/2017	12:10:03	0	0	0
233	11/22/2017	12:11:03	0	0	0
234	11/22/2017	12:12:03	0	0	0
235	11/22/2017	12:13:03	0	0	0
236	11/22/2017	12:14:03	0	0	0
237	11/22/2017	12:15:03	0	0	0
238	11/22/2017	12:16:03	0	0	0
239	11/22/2017	12:17:03	0	0	0
240	11/22/2017	12:18:03	0	0	0

			Pine_16464_20180226		
241	11/22/2017	12:19:03	0	0	0
242	11/22/2017	12:20:03	0	0	0
243	11/22/2017	12:21:03	0	0	0
244	11/22/2017	12:22:03	0	0	0
245	11/22/2017	12:23:03	0	0	0
246	11/22/2017	12:24:03	0	0	0
247	11/22/2017	12:25:03	0	0	0
248	11/22/2017	12:26:03	0	0	0
249	11/22/2017	12:27:03	0	0	0
250	11/22/2017	12:28:03	0	0	0
251	11/22/2017	12:29:03	0	0	0
252	11/22/2017	12:30:03	0	0	0
253	11/22/2017	12:31:03	0	0	0
254	11/22/2017	12:32:03	0	0	0
255	11/22/2017	12:33:03	0	0	0
256	11/22/2017	12:34:03	0	0	0
257	11/22/2017	12:35:03	0	0	0
258	11/22/2017	12:36:03	0	0	0
259	11/22/2017	12:37:03	0	0	0
260	11/22/2017	12:38:03	0	0	0
261	11/22/2017	12:39:03	0	0	0
262	11/22/2017	12:40:03	0	0	0
263	11/22/2017	12:41:03	0	0	0
264	11/22/2017	12:42:03	0	0	0
265	11/22/2017	12:43:03	0	0	0
266	11/22/2017	12:44:03	0	0	0
267	11/22/2017	12:45:03	0	0	0
268	11/22/2017	12:46:03	0	0	0
269	11/22/2017	12:47:03	0	0	0
270	11/22/2017	12:48:03	0	0	0
271	11/22/2017	12:49:03	0	0	0
272	11/22/2017	12:50:03	0	0	0
273	11/22/2017	12:51:03	0	0	0
274	11/22/2017	12:52:03	0	0	0
275	11/22/2017	12:53:03	0	0	0
276	11/22/2017	12:54:03	0	0	0
277	11/22/2017	12:55:03	0	0	0
278	11/22/2017	12:56:03	0	0	0
279	11/22/2017	12:57:03	0	0	0
280	11/22/2017	12:58:03	0	0	0
281	11/22/2017	12:59:03	0	0	0
282	11/22/2017	13:00:03	0	0	0
283	11/22/2017	13:01:03	0	0	0
284	11/22/2017	13:02:03	0	0	0
285	11/22/2017	13:03:03	0	0	0
286	11/22/2017	13:04:03	0	0	0
287	11/22/2017	13:05:03	0	0	0
288	11/22/2017	13:06:03	0	0	0

			Pine_16464_20180226		
289	11/22/2017	13:07:03	0	0	0
290	11/22/2017	13:08:03	0	0	0
291	11/22/2017	13:09:03	0	0	0
292	11/22/2017	13:10:03	0	0	0
293	11/22/2017	13:11:03	0	0	0
294	11/22/2017	13:12:03	0	0	0
295	11/22/2017	13:13:03	0	0	0
296	11/22/2017	13:14:03	0	0	0
297	11/22/2017	13:15:03	0	0	0
298	11/22/2017	13:16:03	0	0	0
299	11/22/2017	13:17:03	0	0	0
300	11/22/2017	13:18:03	0	0	0
301	11/22/2017	13:19:03	0	0	0
302	11/22/2017	13:20:03	0	0	0
303	11/22/2017	13:21:03	0	0	0
304	11/22/2017	13:22:03	0	0	0
305	11/22/2017	13:23:03	0	0	0
306	11/22/2017	13:24:03	0	0	0
307	11/22/2017	13:25:03	0	0	0
308	11/22/2017	13:26:03	0	0	0
309	11/22/2017	13:27:03	0	0	0
310	11/22/2017	13:28:03	0	0	0
311	11/22/2017	13:29:03	0	0	0
312	11/22/2017	13:30:03	0	0	0
313	11/22/2017	13:31:03	0	0	0
314	11/22/2017	13:32:03	0	0	0
315	11/22/2017	13:33:03	0	0	0
316	11/22/2017	13:34:03	0	0	0
317	11/22/2017	13:35:03	0	0	0
318	11/22/2017	13:36:03	0	0	0
319	11/22/2017	13:37:03	0	0	0
320	11/22/2017	13:38:03	0	0	0
321	11/22/2017	13:39:03	0	0	0
322	11/22/2017	13:40:03	0	0	0
323	11/22/2017	13:41:03	0	0	0
324	11/22/2017	13:42:03	0	0	0
325	11/22/2017	13:43:03	0	0	0
326	11/22/2017	13:44:03	0	0	0
327	11/22/2017	13:45:03	0	0	0
328	11/22/2017	13:46:03	0	0	0
329	11/22/2017	13:47:03	0	0	0
330	11/22/2017	13:48:03	0	0	0
331	11/22/2017	13:49:03	0	0	0
332	11/22/2017	13:50:03	0	0	0
333	11/22/2017	13:51:03	0	0	0
334	11/22/2017	13:52:03	0	0	0
335	11/22/2017	13:53:03	0	0	0
336	11/22/2017	13:54:03	0	0	0

			Pine_16464_20180226		
337	11/22/2017	13:55:03	0	0	0
338	11/22/2017	13:56:03	0	0	0
339	11/22/2017	13:57:03	0	0	0
340	11/22/2017	13:58:03	0	0	0
341	11/22/2017	13:59:03	0	0	0
342	11/22/2017	14:00:03	0	0	0
343	11/22/2017	14:01:03	0	0	0
344	11/22/2017	14:02:03	0	0	0
345	11/22/2017	14:03:03	0	0	0
346	11/22/2017	14:04:03	0	0	0
347	11/22/2017	14:05:03	0	0	0
348	11/22/2017	14:06:03	0	0	0
349	11/22/2017	14:07:03	0	0	0
350	11/22/2017	14:08:03	0	0	0
351	11/22/2017	14:09:03	0	0	0
352	11/22/2017	14:10:03	0	0	0
353	11/22/2017	14:11:03	0	0	0
354	11/22/2017	14:12:03	0	0	0
355	11/22/2017	14:13:03	0	0	0
356	11/22/2017	14:14:03	0	0	0
357	11/22/2017	14:15:03	0	0	0
358	11/22/2017	14:16:03	0	0	0
359	11/22/2017	14:17:03	0	0	0
360	11/22/2017	14:18:03	0	0	0
361	11/22/2017	14:19:03	0	0	0
362	11/22/2017	14:20:03	0	0	0
363	11/22/2017	14:21:03	0	0	0
364	11/22/2017	14:22:03	0	0	0
365	11/22/2017	14:23:03	0	0	0
366	11/22/2017	14:24:03	0	0	0
367	11/22/2017	14:25:03	0	0	0
368	11/22/2017	14:26:03	0	0	0
369	11/22/2017	14:27:03	0	0	0
370	11/22/2017	14:28:03	0	0	0
371	11/22/2017	14:29:03	0	0	0
372	11/22/2017	14:30:03	0	0	0
373	11/22/2017	14:31:03	0	0	0
374	11/22/2017	14:32:03	0	0	0
375	11/22/2017	14:33:03	0	0	0
376	11/22/2017	14:34:03	0	0	0
377	11/22/2017	14:35:03	0	0	0
378	11/22/2017	14:36:03	0	0	0
379	11/22/2017	14:37:03	0	0	0
380	11/22/2017	14:38:03	0	0	0
381	11/22/2017	14:39:03	0	0	0
382	11/22/2017	14:40:03	0	0	0
383	11/22/2017	14:41:03	0	0	0
384	11/22/2017	14:42:03	0	0	0

			Pine_16464_20180226		
385	11/22/2017	14:43:03	0	0	0
386	11/22/2017	14:44:03	0	0	0
387	11/22/2017	14:45:03	0	0	0
388	11/22/2017	14:46:03	0	0	0
389	11/22/2017	14:47:03	0	0	0
390	11/22/2017	14:48:03	0	0	0
391	11/22/2017	14:49:03	0	0	0
392	11/22/2017	14:50:03	0	0	0
393	11/22/2017	14:51:03	0	0	0
394	11/22/2017	14:52:03	0	0	0
395	11/22/2017	14:53:03	0	0	0
396	11/22/2017	14:54:03	0	0	0
397	11/22/2017	14:55:03	0	0	0
398	11/22/2017	14:56:03	0	0	0
399	11/22/2017	14:57:03	0	0	0
400	11/22/2017	14:58:03	0	0	0
401	11/22/2017	14:59:03	0	0	0
402	11/22/2017	15:00:03	0	0	0
403	11/22/2017	15:01:03	0	0	0
404	11/22/2017	15:02:03	0	0	0
405	11/22/2017	15:03:03	0	0	0
406	11/22/2017	15:04:03	0	0	0
407	11/22/2017	15:05:03	0	0	0
408	11/22/2017	15:06:03	0	0	0
409	11/22/2017	15:07:03	0	0	0
410	11/22/2017	15:08:03	0	0	0
411	11/22/2017	15:09:03	0	0	0
412	11/22/2017	15:10:03	0	0	0
413	11/22/2017	15:11:03	0	0	0
414	11/22/2017	15:12:03	0	0	0
415	11/22/2017	15:13:03	0	0	0
416	11/22/2017	15:14:03	0	0	0
417	11/22/2017	15:15:03	0	0	0
418	11/22/2017	15:16:03	0	0	0
419	11/22/2017	15:17:03	0	0	0
420	11/22/2017	15:18:03	0	0	0
421	11/22/2017	15:19:03	0	0	0
422	11/22/2017	15:20:03	0	0	0
423	11/22/2017	15:21:03	0	0	0
424	11/22/2017	15:22:03	0	0	0
425	11/22/2017	15:23:03	0	0	0
426	11/22/2017	15:24:03	0	0	0
427	11/22/2017	15:25:03	0	0	0
428	11/22/2017	15:26:03	0	0	3
429	11/22/2017	15:27:03	0	0	0
430	11/22/2017	15:28:03	0	0	0
431	11/22/2017	15:29:03	0	0	0
432	11/22/2017	15:30:03	0	0	0

			Pine_16464_20180226		
433	11/22/2017	15:31:03	0	0	0
434	11/22/2017	15:32:03	0	0	0
435	11/22/2017	15:33:03	0	0	0
436	11/22/2017	15:34:03	0	0	0
Peak	0	0	3		
Min	0	0	0		
Average	0	0	0		

=====

17/11/27 08:30

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

Begin 11/27/2017 08:30:17

End 11/27/2017 17:25:06

Sample Period(s) 60

Number of Records 534

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

TWA Alarm 100000

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Peak N/A

Min N/A

Average N/A

Datalog

			Pine_16464_20180226		
VOC(ppb)			VOC(ppb)		VOC(ppb)
Index	Date/Time	(Min)	(Avg)	(Max)	
001	11/27/2017	08:31:17	0	0	0
002	11/27/2017	08:32:17	0	0	0
003	11/27/2017	08:33:17	0	0	0
004	11/27/2017	08:34:17	0	0	0
005	11/27/2017	08:35:17	0	0	0
006	11/27/2017	08:36:17	0	0	0
007	11/27/2017	08:37:17	0	0	0
008	11/27/2017	08:38:17	0	0	0
009	11/27/2017	08:39:17	0	0	0
010	11/27/2017	08:40:17	0	0	0
011	11/27/2017	08:41:17	0	0	0
012	11/27/2017	08:42:17	0	0	0
013	11/27/2017	08:43:17	0	0	0
014	11/27/2017	08:44:17	0	0	0
015	11/27/2017	08:45:17	0	0	0
016	11/27/2017	08:46:17	0	0	0
017	11/27/2017	08:47:17	0	0	0
018	11/27/2017	08:48:17	0	0	0
019	11/27/2017	08:49:17	0	0	0
020	11/27/2017	08:50:17	0	0	0
021	11/27/2017	08:51:17	0	0	0
022	11/27/2017	08:52:17	0	0	0
023	11/27/2017	08:53:17	0	0	0
024	11/27/2017	08:54:17	0	0	0
025	11/27/2017	08:55:17	0	0	0
026	11/27/2017	08:56:17	0	0	0
027	11/27/2017	08:57:17	0	0	0
028	11/27/2017	08:58:17	0	0	0
029	11/27/2017	08:59:17	0	0	0
030	11/27/2017	09:00:17	0	0	0
031	11/27/2017	09:01:17	0	0	0
032	11/27/2017	09:02:17	0	0	0
033	11/27/2017	09:03:17	0	0	0
034	11/27/2017	09:04:17	0	0	0
035	11/27/2017	09:05:17	0	0	0
036	11/27/2017	09:06:17	0	0	0
037	11/27/2017	09:07:17	0	0	0
038	11/27/2017	09:08:17	0	0	0
039	11/27/2017	09:09:17	0	0	0
040	11/27/2017	09:10:17	0	0	0
041	11/27/2017	09:11:17	0	0	0
042	11/27/2017	09:12:17	0	0	0
043	11/27/2017	09:13:17	0	0	0
044	11/27/2017	09:14:17	0	0	0
045	11/27/2017	09:15:17	0	0	0
046	11/27/2017	09:16:17	0	0	0

			Pine_16464_20180226		
047	11/27/2017	09:17:17	0	0	0
048	11/27/2017	09:18:17	0	0	0
049	11/27/2017	09:19:17	0	0	0
050	11/27/2017	09:20:17	0	0	0
051	11/27/2017	09:21:17	0	0	0
052	11/27/2017	09:22:17	0	0	0
053	11/27/2017	09:23:17	0	0	0
054	11/27/2017	09:24:17	0	0	0
055	11/27/2017	09:25:17	0	0	0
056	11/27/2017	09:26:17	0	0	0
057	11/27/2017	09:27:17	0	0	0
058	11/27/2017	09:28:17	0	0	0
059	11/27/2017	09:29:17	0	0	0
060	11/27/2017	09:30:17	0	0	0
061	11/27/2017	09:31:17	0	0	0
062	11/27/2017	09:32:17	0	0	0
063	11/27/2017	09:33:17	0	0	0
064	11/27/2017	09:34:17	0	0	0
065	11/27/2017	09:35:17	0	0	0
066	11/27/2017	09:36:17	0	0	0
067	11/27/2017	09:37:17	0	0	0
068	11/27/2017	09:38:17	0	0	0
069	11/27/2017	09:39:17	0	0	0
070	11/27/2017	09:40:17	0	0	0
071	11/27/2017	09:41:17	0	0	0
072	11/27/2017	09:42:17	0	0	0
073	11/27/2017	09:43:17	0	0	0
074	11/27/2017	09:44:17	0	0	0
075	11/27/2017	09:45:17	0	0	0
076	11/27/2017	09:46:17	0	0	0
077	11/27/2017	09:47:17	0	0	0
078	11/27/2017	09:48:17	0	0	0
079	11/27/2017	09:49:17	0	0	0
080	11/27/2017	09:50:17	0	0	0
081	11/27/2017	09:51:17	0	0	0
082	11/27/2017	09:52:17	0	0	0
083	11/27/2017	09:53:17	0	0	0
084	11/27/2017	09:54:17	0	0	0
085	11/27/2017	09:55:17	0	0	0
086	11/27/2017	09:56:17	0	0	0
087	11/27/2017	09:57:17	0	0	0
088	11/27/2017	09:58:17	0	0	0
089	11/27/2017	09:59:17	0	0	0
090	11/27/2017	10:00:17	0	0	0
091	11/27/2017	10:01:17	0	0	0
092	11/27/2017	10:02:17	0	0	0
093	11/27/2017	10:03:17	0	0	0
094	11/27/2017	10:04:17	0	0	0

			Pine_16464_20180226		
095	11/27/2017	10:05:17	0	0	0
096	11/27/2017	10:06:17	0	0	0
097	11/27/2017	10:07:17	0	0	0
098	11/27/2017	10:08:17	0	0	0
099	11/27/2017	10:09:17	0	0	0
100	11/27/2017	10:10:17	0	0	0
101	11/27/2017	10:11:17	0	0	0
102	11/27/2017	10:12:17	0	0	0
103	11/27/2017	10:13:17	0	0	0
104	11/27/2017	10:14:17	0	0	0
105	11/27/2017	10:15:17	0	0	0
106	11/27/2017	10:16:17	0	0	0
107	11/27/2017	10:17:17	0	0	0
108	11/27/2017	10:18:17	0	0	0
109	11/27/2017	10:19:17	0	0	0
110	11/27/2017	10:20:17	0	0	0
111	11/27/2017	10:21:17	0	0	0
112	11/27/2017	10:22:17	0	0	0
113	11/27/2017	10:23:17	0	0	0
114	11/27/2017	10:24:17	0	0	0
115	11/27/2017	10:25:17	0	0	0
116	11/27/2017	10:26:17	0	0	0
117	11/27/2017	10:27:17	0	0	0
118	11/27/2017	10:28:17	0	0	0
119	11/27/2017	10:29:17	0	0	0
120	11/27/2017	10:30:17	0	0	0
121	11/27/2017	10:31:17	0	0	0
122	11/27/2017	10:32:17	0	0	0
123	11/27/2017	10:33:17	0	0	0
124	11/27/2017	10:34:17	0	0	0
125	11/27/2017	10:35:17	0	0	0
126	11/27/2017	10:36:17	0	0	0
127	11/27/2017	10:37:17	0	0	0
128	11/27/2017	10:38:17	0	0	0
129	11/27/2017	10:39:17	0	0	0
130	11/27/2017	10:40:17	0	0	0
131	11/27/2017	10:41:17	0	0	0
132	11/27/2017	10:42:17	0	0	0
133	11/27/2017	10:43:17	0	0	0
134	11/27/2017	10:44:17	0	0	0
135	11/27/2017	10:45:17	0	0	0
136	11/27/2017	10:46:17	0	0	0
137	11/27/2017	10:47:17	0	0	0
138	11/27/2017	10:48:17	0	0	0
139	11/27/2017	10:49:17	0	0	0
140	11/27/2017	10:50:17	0	0	0
141	11/27/2017	10:51:17	0	0	0
142	11/27/2017	10:52:17	0	0	0

			Pine_16464_20180226		
143	11/27/2017	10:53:17	0	0	0
144	11/27/2017	10:54:17	0	0	0
145	11/27/2017	10:55:17	0	0	0
146	11/27/2017	10:56:17	0	0	0
147	11/27/2017	10:57:17	0	0	0
148	11/27/2017	10:58:17	0	0	0
149	11/27/2017	10:59:17	0	0	0
150	11/27/2017	11:00:17	0	0	0
151	11/27/2017	11:01:17	0	0	0
152	11/27/2017	11:02:17	0	0	0
153	11/27/2017	11:03:17	0	0	0
154	11/27/2017	11:04:17	0	0	0
155	11/27/2017	11:05:17	0	0	0
156	11/27/2017	11:06:17	0	0	0
157	11/27/2017	11:07:17	0	0	0
158	11/27/2017	11:08:17	0	0	0
159	11/27/2017	11:09:17	0	0	0
160	11/27/2017	11:10:17	0	0	0
161	11/27/2017	11:11:17	0	0	0
162	11/27/2017	11:12:17	0	0	0
163	11/27/2017	11:13:17	0	0	0
164	11/27/2017	11:14:17	0	0	0
165	11/27/2017	11:15:17	0	0	0
166	11/27/2017	11:16:17	0	0	0
167	11/27/2017	11:17:17	0	0	0
168	11/27/2017	11:18:17	0	0	0
169	11/27/2017	11:19:17	0	0	0
170	11/27/2017	11:20:17	0	0	0
171	11/27/2017	11:21:17	0	0	0
172	11/27/2017	11:22:17	0	0	0
173	11/27/2017	11:23:17	0	0	0
174	11/27/2017	11:24:17	0	0	0
175	11/27/2017	11:25:17	0	0	0
176	11/27/2017	11:26:17	0	0	0
177	11/27/2017	11:27:17	0	0	0
178	11/27/2017	11:28:17	0	0	0
179	11/27/2017	11:29:17	0	0	0
180	11/27/2017	11:30:17	0	0	0
181	11/27/2017	11:31:17	0	0	0
182	11/27/2017	11:32:17	0	0	0
183	11/27/2017	11:33:17	0	0	0
184	11/27/2017	11:34:17	0	0	0
185	11/27/2017	11:35:17	0	0	0
186	11/27/2017	11:36:17	0	0	0
187	11/27/2017	11:37:17	0	0	0
188	11/27/2017	11:38:17	0	0	0
189	11/27/2017	11:39:17	0	0	0
190	11/27/2017	11:40:17	0	0	0

			Pine_16464_20180226		
191	11/27/2017	11:41:17	0	0	0
192	11/27/2017	11:42:17	0	0	0
193	11/27/2017	11:43:17	0	0	0
194	11/27/2017	11:44:17	0	0	0
195	11/27/2017	11:45:17	0	0	0
196	11/27/2017	11:46:17	0	0	0
197	11/27/2017	11:47:17	0	0	0
198	11/27/2017	11:48:17	0	0	0
199	11/27/2017	11:49:17	0	0	0
200	11/27/2017	11:50:17	0	0	0
201	11/27/2017	11:51:17	0	0	0
202	11/27/2017	11:52:17	0	0	0
203	11/27/2017	11:53:17	0	0	0
204	11/27/2017	11:54:17	0	0	0
205	11/27/2017	11:55:17	0	0	0
206	11/27/2017	11:56:17	0	0	0
207	11/27/2017	11:57:17	0	0	0
208	11/27/2017	11:58:17	0	0	0
209	11/27/2017	11:59:17	0	0	0
210	11/27/2017	12:00:17	0	0	0
211	11/27/2017	12:01:17	0	0	0
212	11/27/2017	12:02:17	0	0	0
213	11/27/2017	12:03:17	0	0	0
214	11/27/2017	12:04:17	0	0	0
215	11/27/2017	12:05:17	0	0	0
216	11/27/2017	12:06:17	0	0	0
217	11/27/2017	12:07:17	0	0	0
218	11/27/2017	12:08:17	0	0	0
219	11/27/2017	12:09:17	0	0	0
220	11/27/2017	12:10:17	0	0	0
221	11/27/2017	12:11:17	0	0	0
222	11/27/2017	12:12:17	0	0	0
223	11/27/2017	12:13:17	0	0	0
224	11/27/2017	12:14:17	0	0	0
225	11/27/2017	12:15:17	0	0	0
226	11/27/2017	12:16:17	0	0	0
227	11/27/2017	12:17:17	0	0	0
228	11/27/2017	12:18:17	0	0	0
229	11/27/2017	12:19:17	0	0	0
230	11/27/2017	12:20:17	0	0	0
231	11/27/2017	12:21:17	0	0	0
232	11/27/2017	12:22:17	0	0	0
233	11/27/2017	12:23:17	0	0	0
234	11/27/2017	12:24:17	0	0	0
235	11/27/2017	12:25:17	0	0	0
236	11/27/2017	12:26:17	0	0	0
237	11/27/2017	12:27:17	0	0	0
238	11/27/2017	12:28:17	0	0	0

			Pine_16464_20180226		
239	11/27/2017	12:29:17	0	0	0
240	11/27/2017	12:30:17	0	0	0
241	11/27/2017	12:31:17	0	0	0
242	11/27/2017	12:32:17	0	0	0
243	11/27/2017	12:33:17	0	0	0
244	11/27/2017	12:34:17	0	0	0
245	11/27/2017	12:35:17	0	0	0
246	11/27/2017	12:36:17	0	0	0
247	11/27/2017	12:37:17	0	0	0
248	11/27/2017	12:38:17	0	0	0
249	11/27/2017	12:39:17	0	0	0
250	11/27/2017	12:40:17	0	0	0
251	11/27/2017	12:41:17	0	0	0
252	11/27/2017	12:42:17	0	0	0
253	11/27/2017	12:43:17	0	0	0
254	11/27/2017	12:44:17	0	0	0
255	11/27/2017	12:45:17	0	0	0
256	11/27/2017	12:46:17	0	0	0
257	11/27/2017	12:47:17	0	0	0
258	11/27/2017	12:48:17	0	0	0
259	11/27/2017	12:49:17	0	0	0
260	11/27/2017	12:50:17	0	0	0
261	11/27/2017	12:51:17	0	0	0
262	11/27/2017	12:52:17	0	0	0
263	11/27/2017	12:53:17	0	0	0
264	11/27/2017	12:54:17	0	0	0
265	11/27/2017	12:55:17	0	0	0
266	11/27/2017	12:56:17	0	0	0
267	11/27/2017	12:57:17	0	0	0
268	11/27/2017	12:58:17	0	0	0
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270	11/27/2017	13:00:17	0	0	0
271	11/27/2017	13:01:17	0	0	0
272	11/27/2017	13:02:17	0	0	0
273	11/27/2017	13:03:17	0	0	0
274	11/27/2017	13:04:17	0	0	0
275	11/27/2017	13:05:17	0	0	0
276	11/27/2017	13:06:17	0	0	0
277	11/27/2017	13:07:17	0	0	0
278	11/27/2017	13:08:17	0	0	0
279	11/27/2017	13:09:17	0	0	0
280	11/27/2017	13:10:17	0	0	0
281	11/27/2017	13:11:17	0	0	0
282	11/27/2017	13:12:17	0	0	0
283	11/27/2017	13:13:17	0	0	0
284	11/27/2017	13:14:17	0	0	0
285	11/27/2017	13:15:17	0	0	0
286	11/27/2017	13:16:17	0	0	0

			Pine_16464_20180226		
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288	11/27/2017	13:18:17	0	0	0
289	11/27/2017	13:19:17	0	0	0
290	11/27/2017	13:20:17	0	0	0
291	11/27/2017	13:21:17	0	0	0
292	11/27/2017	13:22:17	0	0	0
293	11/27/2017	13:23:17	0	0	0
294	11/27/2017	13:24:17	0	0	0
295	11/27/2017	13:25:17	0	0	0
296	11/27/2017	13:26:17	0	0	0
297	11/27/2017	13:27:17	0	0	0
298	11/27/2017	13:28:17	0	0	0
299	11/27/2017	13:29:17	0	0	0
300	11/27/2017	13:30:17	0	0	0
301	11/27/2017	13:31:17	0	0	0
302	11/27/2017	13:32:17	0	0	0
303	11/27/2017	13:33:17	0	0	0
304	11/27/2017	13:34:17	0	0	0
305	11/27/2017	13:35:17	0	0	0
306	11/27/2017	13:36:17	0	0	0
307	11/27/2017	13:37:17	0	0	0
308	11/27/2017	13:38:17	0	0	0
309	11/27/2017	13:39:17	0	0	0
310	11/27/2017	13:40:17	0	0	0
311	11/27/2017	13:41:17	0	0	0
312	11/27/2017	13:42:17	0	0	0
313	11/27/2017	13:43:17	0	0	0
314	11/27/2017	13:44:17	0	0	0
315	11/27/2017	13:45:17	0	0	0
316	11/27/2017	13:46:17	0	0	0
317	11/27/2017	13:47:17	0	0	0
318	11/27/2017	13:48:17	0	0	0
319	11/27/2017	13:49:17	0	0	0
320	11/27/2017	13:50:17	0	0	0
321	11/27/2017	13:51:17	0	0	0
322	11/27/2017	13:52:17	0	0	0
323	11/27/2017	13:53:17	0	0	0
324	11/27/2017	13:54:17	0	0	0
325	11/27/2017	13:55:17	0	0	0
326	11/27/2017	13:56:17	0	0	0
327	11/27/2017	13:57:17	0	0	0
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329	11/27/2017	13:59:17	0	0	0
330	11/27/2017	14:00:17	0	0	0
331	11/27/2017	14:01:17	0	0	0
332	11/27/2017	14:02:17	0	0	0
333	11/27/2017	14:03:17	0	0	0
334	11/27/2017	14:04:17	0	0	0

			Pine_16464_20180226		
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336	11/27/2017	14:06:17	0	0	0
337	11/27/2017	14:07:17	0	0	0
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343	11/27/2017	14:13:17	0	0	0
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345	11/27/2017	14:15:17	0	0	0
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347	11/27/2017	14:17:17	0	0	0
348	11/27/2017	14:18:17	0	0	0
349	11/27/2017	14:19:17	0	0	0
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351	11/27/2017	14:21:17	0	0	0
352	11/27/2017	14:22:17	0	0	0
353	11/27/2017	14:23:17	0	0	0
354	11/27/2017	14:24:17	0	0	0
355	11/27/2017	14:25:17	0	0	0
356	11/27/2017	14:26:17	0	0	0
357	11/27/2017	14:27:17	0	0	0
358	11/27/2017	14:28:17	0	0	0
359	11/27/2017	14:29:17	0	0	0
360	11/27/2017	14:30:17	0	0	0
361	11/27/2017	14:31:17	0	0	0
362	11/27/2017	14:32:17	0	0	0
363	11/27/2017	14:33:17	0	0	0
364	11/27/2017	14:34:17	0	0	0
365	11/27/2017	14:35:17	0	0	0
366	11/27/2017	14:36:17	0	0	0
367	11/27/2017	14:37:17	0	0	0
368	11/27/2017	14:38:17	0	0	0
369	11/27/2017	14:39:17	0	0	0
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372	11/27/2017	14:42:17	0	0	0
373	11/27/2017	14:43:17	0	0	0
374	11/27/2017	14:44:17	0	0	0
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376	11/27/2017	14:46:17	0	0	0
377	11/27/2017	14:47:17	0	0	0
378	11/27/2017	14:48:17	0	0	0
379	11/27/2017	14:49:17	0	0	0
380	11/27/2017	14:50:17	0	0	0
381	11/27/2017	14:51:17	0	0	0
382	11/27/2017	14:52:17	0	0	0

			Pine_16464_20180226		
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384	11/27/2017	14:54:17	0	0	0
385	11/27/2017	14:55:17	0	0	0
386	11/27/2017	14:56:17	0	0	0
387	11/27/2017	14:57:17	0	0	0
388	11/27/2017	14:58:17	0	0	0
389	11/27/2017	14:59:17	0	0	0
390	11/27/2017	15:00:17	0	0	0
391	11/27/2017	15:01:17	0	0	0
392	11/27/2017	15:02:17	0	0	0
393	11/27/2017	15:03:17	0	0	0
394	11/27/2017	15:04:17	0	0	0
395	11/27/2017	15:05:17	0	0	0
396	11/27/2017	15:06:17	0	0	0
397	11/27/2017	15:07:17	0	1	15
398	11/27/2017	15:08:17	0	0	0
399	11/27/2017	15:09:17	0	0	0
400	11/27/2017	15:10:17	0	0	0
401	11/27/2017	15:11:17	0	0	0
402	11/27/2017	15:12:17	0	0	0
403	11/27/2017	15:13:17	0	0	0
404	11/27/2017	15:14:17	0	0	0
405	11/27/2017	15:15:17	0	0	0
406	11/27/2017	15:16:17	0	0	0
407	11/27/2017	15:17:17	0	0	0
408	11/27/2017	15:18:17	0	0	0
409	11/27/2017	15:19:17	0	0	0
410	11/27/2017	15:20:17	0	0	0
411	11/27/2017	15:21:17	0	0	0
412	11/27/2017	15:22:17	0	0	0
413	11/27/2017	15:23:17	0	0	0
414	11/27/2017	15:24:17	0	0	0
415	11/27/2017	15:25:17	0	0	0
416	11/27/2017	15:26:17	0	0	0
417	11/27/2017	15:27:17	0	0	0
418	11/27/2017	15:28:17	0	0	0
419	11/27/2017	15:29:17	0	0	0
420	11/27/2017	15:30:17	0	0	0
421	11/27/2017	15:31:17	0	0	0
422	11/27/2017	15:32:17	0	0	0
423	11/27/2017	15:33:17	0	0	0
424	11/27/2017	15:34:17	0	0	0
425	11/27/2017	15:35:17	0	0	0
426	11/27/2017	15:36:17	0	0	0
427	11/27/2017	15:37:17	0	0	0
428	11/27/2017	15:38:17	0	0	0
429	11/27/2017	15:39:17	0	0	0
430	11/27/2017	15:40:17	0	0	0

			Pine_16464_20180226		
431	11/27/2017	15:41:17	0	0	0
432	11/27/2017	15:42:17	0	0	0
433	11/27/2017	15:43:17	0	0	0
434	11/27/2017	15:44:17	0	0	0
435	11/27/2017	15:45:17	0	0	0
436	11/27/2017	15:46:17	0	0	0
437	11/27/2017	15:47:17	0	0	0
438	11/27/2017	15:48:17	0	0	0
439	11/27/2017	15:49:17	0	0	0
440	11/27/2017	15:50:17	0	0	0
441	11/27/2017	15:51:17	0	0	0
442	11/27/2017	15:52:17	0	0	0
443	11/27/2017	15:53:17	0	0	0
444	11/27/2017	15:54:17	0	0	0
445	11/27/2017	15:55:17	0	0	0
446	11/27/2017	15:56:17	0	0	0
447	11/27/2017	15:57:17	0	0	0
448	11/27/2017	15:58:17	0	0	0
449	11/27/2017	15:59:17	0	0	0
450	11/27/2017	16:00:17	0	0	0
451	11/27/2017	16:01:17	0	0	0
452	11/27/2017	16:02:17	0	0	0
453	11/27/2017	16:03:17	0	0	0
454	11/27/2017	16:04:17	0	0	0
455	11/27/2017	16:05:17	0	0	0
456	11/27/2017	16:06:17	0	0	0
457	11/27/2017	16:07:17	0	0	0
458	11/27/2017	16:08:17	0	0	0
459	11/27/2017	16:09:17	0	0	0
460	11/27/2017	16:10:17	0	0	0
461	11/27/2017	16:11:17	0	0	0
462	11/27/2017	16:12:17	0	0	0
463	11/27/2017	16:13:17	0	0	0
464	11/27/2017	16:14:17	0	0	0
465	11/27/2017	16:15:17	0	0	0
466	11/27/2017	16:16:17	0	0	0
467	11/27/2017	16:17:17	0	0	0
468	11/27/2017	16:18:17	0	0	0
469	11/27/2017	16:19:17	0	0	0
470	11/27/2017	16:20:17	0	0	0
471	11/27/2017	16:21:17	0	0	0
472	11/27/2017	16:22:17	0	0	0
473	11/27/2017	16:23:17	0	0	0
474	11/27/2017	16:24:17	0	0	0
475	11/27/2017	16:25:17	0	0	0
476	11/27/2017	16:26:17	0	0	0
477	11/27/2017	16:27:17	0	0	0
478	11/27/2017	16:28:17	0	0	0

			Pine_16464_20180226		
479	11/27/2017	16:29:17	0	0	0
480	11/27/2017	16:30:17	0	0	0
481	11/27/2017	16:31:17	0	0	0
482	11/27/2017	16:32:17	0	0	0
483	11/27/2017	16:33:17	0	0	0
484	11/27/2017	16:34:17	0	0	0
485	11/27/2017	16:35:17	0	0	0
486	11/27/2017	16:36:17	0	0	0
487	11/27/2017	16:37:17	0	0	0
488	11/27/2017	16:38:17	0	0	0
489	11/27/2017	16:39:17	0	0	0
490	11/27/2017	16:40:17	0	0	0
491	11/27/2017	16:41:17	0	0	0
492	11/27/2017	16:42:17	0	0	0
493	11/27/2017	16:43:17	0	0	0
494	11/27/2017	16:44:17	0	0	0
495	11/27/2017	16:45:17	0	0	0
496	11/27/2017	16:46:17	0	0	0
497	11/27/2017	16:47:17	0	0	0
498	11/27/2017	16:48:17	0	0	0
499	11/27/2017	16:49:17	0	0	0
500	11/27/2017	16:50:17	0	0	0
501	11/27/2017	16:51:17	0	0	0
502	11/27/2017	16:52:17	0	0	0
503	11/27/2017	16:53:17	0	0	0
504	11/27/2017	16:54:17	0	0	0
505	11/27/2017	16:55:17	0	0	0
506	11/27/2017	16:56:17	0	0	0
507	11/27/2017	16:57:17	0	0	0
508	11/27/2017	16:58:17	0	0	0
509	11/27/2017	16:59:17	0	0	0
510	11/27/2017	17:00:17	0	0	0
511	11/27/2017	17:01:17	0	0	0
512	11/27/2017	17:02:17	0	0	0
513	11/27/2017	17:03:17	0	0	0
514	11/27/2017	17:04:17	0	0	0
515	11/27/2017	17:05:17	0	0	0
516	11/27/2017	17:06:17	0	0	0
517	11/27/2017	17:07:17	0	0	0
518	11/27/2017	17:08:17	0	0	0
519	11/27/2017	17:09:17	0	0	0
520	11/27/2017	17:10:17	0	4	15
521	11/27/2017	17:11:17	4	9	15
522	11/27/2017	17:12:17	2	4	7
523	11/27/2017	17:13:17	3	9	14
524	11/27/2017	17:14:17	12	20	30
525	11/27/2017	17:15:17	29	36	50
526	11/27/2017	17:16:17	0	27	46

			Pine_16464_20180226		
527	11/27/2017	17:17:17	0	28	57
528	11/27/2017	17:18:17	0	7	14
529	11/27/2017	17:19:17	5	16	24
530	11/27/2017	17:20:17	14	16	21
531	11/27/2017	17:21:17	18	24	30
532	11/27/2017	17:22:17	29	37	47
533	11/27/2017	17:23:17	47	56	64
534	11/27/2017	17:24:17	63	70	81
Peak	63	70	81		
Min	0	0	0		
Average	0	1	1		

=====

17/11/28 08:55

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

Begin 11/28/2017 08:55:57

End 11/28/2017 17:05:52

Sample Period(s) 60

Number of Records 489

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

TWA Alarm 100000

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Peak N/A

Min N/A

Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	11/28/2017 08:56:57	0	0	0	0
002	11/28/2017 08:57:57	0	0	0	0
003	11/28/2017 08:58:57	0	0	0	0
004	11/28/2017 08:59:57	0	0	0	0
005	11/28/2017 09:00:57	0	0	0	0
006	11/28/2017 09:01:57	0	0	0	0
007	11/28/2017 09:02:57	0	0	0	0
008	11/28/2017 09:03:57	0	0	0	0
009	11/28/2017 09:04:57	0	0	0	0
010	11/28/2017 09:05:57	0	0	0	0
011	11/28/2017 09:06:57	0	0	0	0
012	11/28/2017 09:07:57	0	0	0	0
013	11/28/2017 09:08:57	0	0	0	0
014	11/28/2017 09:09:57	0	0	0	0
015	11/28/2017 09:10:57	0	0	0	0
016	11/28/2017 09:11:57	0	0	0	0
017	11/28/2017 09:12:57	0	0	0	0
018	11/28/2017 09:13:57	0	0	0	0
019	11/28/2017 09:14:57	0	0	0	0
020	11/28/2017 09:15:57	0	0	0	0
021	11/28/2017 09:16:57	0	0	0	0
022	11/28/2017 09:17:57	0	0	0	0
023	11/28/2017 09:18:57	0	0	0	0
024	11/28/2017 09:19:57	0	0	0	0
025	11/28/2017 09:20:57	0	0	0	0
026	11/28/2017 09:21:57	0	0	0	0
027	11/28/2017 09:22:57	0	0	0	0
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407	11/28/2017	15:42:57	0	0	0
408	11/28/2017	15:43:57	0	0	0
409	11/28/2017	15:44:57	0	0	0
410	11/28/2017	15:45:57	0	0	0
411	11/28/2017	15:46:57	0	0	0
412	11/28/2017	15:47:57	0	0	0
413	11/28/2017	15:48:57	0	0	0
414	11/28/2017	15:49:57	0	0	0
415	11/28/2017	15:50:57	0	0	0
416	11/28/2017	15:51:57	0	0	0
417	11/28/2017	15:52:57	0	0	0
418	11/28/2017	15:53:57	0	0	0
419	11/28/2017	15:54:57	0	0	0
420	11/28/2017	15:55:57	0	0	0
421	11/28/2017	15:56:57	0	0	0
422	11/28/2017	15:57:57	0	0	0
423	11/28/2017	15:58:57	0	0	0
424	11/28/2017	15:59:57	0	0	0
425	11/28/2017	16:00:57	0	0	0
426	11/28/2017	16:01:57	0	0	0

			Pine_16464_20180226		
427	11/28/2017	16:02:57	0	0	0
428	11/28/2017	16:03:57	0	0	0
429	11/28/2017	16:04:57	0	0	0
430	11/28/2017	16:05:57	0	0	0
431	11/28/2017	16:06:57	0	0	0
432	11/28/2017	16:07:57	0	0	0
433	11/28/2017	16:08:57	0	0	0
434	11/28/2017	16:09:57	0	0	0
435	11/28/2017	16:10:57	0	0	0
436	11/28/2017	16:11:57	0	0	0
437	11/28/2017	16:12:57	0	0	0
438	11/28/2017	16:13:57	0	0	0
439	11/28/2017	16:14:57	0	0	0
440	11/28/2017	16:15:57	0	0	0
441	11/28/2017	16:16:57	0	0	0
442	11/28/2017	16:17:57	0	0	0
443	11/28/2017	16:18:57	0	0	0
444	11/28/2017	16:19:57	0	0	0
445	11/28/2017	16:20:57	0	0	0
446	11/28/2017	16:21:57	0	0	0
447	11/28/2017	16:22:57	0	0	0
448	11/28/2017	16:23:57	0	0	0
449	11/28/2017	16:24:57	0	0	0
450	11/28/2017	16:25:57	0	0	0
451	11/28/2017	16:26:57	0	0	0
452	11/28/2017	16:27:57	0	0	0
453	11/28/2017	16:28:57	0	0	0
454	11/28/2017	16:29:57	0	0	0
455	11/28/2017	16:30:57	0	0	0
456	11/28/2017	16:31:57	0	0	0
457	11/28/2017	16:32:57	0	0	0
458	11/28/2017	16:33:57	0	1	18
459	11/28/2017	16:34:57	0	0	0
460	11/28/2017	16:35:57	0	0	0
461	11/28/2017	16:36:57	0	0	0
462	11/28/2017	16:37:57	0	0	0
463	11/28/2017	16:38:57	0	0	0
464	11/28/2017	16:39:57	0	0	0
465	11/28/2017	16:40:57	0	0	0
466	11/28/2017	16:41:57	0	0	0
467	11/28/2017	16:42:57	0	0	0
468	11/28/2017	16:43:57	0	7	78
469	11/28/2017	16:44:57	0	0	0
470	11/28/2017	16:45:57	0	0	0
471	11/28/2017	16:46:57	0	0	0
472	11/28/2017	16:47:57	0	0	0
473	11/28/2017	16:48:57	0	0	0
474	11/28/2017	16:49:57	0	0	0

			Pine_16464_20180226		
475	11/28/2017	16:50:57	0	0	0
476	11/28/2017	16:51:57	0	0	0
477	11/28/2017	16:52:57	0	0	0
478	11/28/2017	16:53:57	0	0	0
479	11/28/2017	16:54:57	0	0	0
480	11/28/2017	16:55:57	0	0	0
481	11/28/2017	16:56:57	0	0	0
482	11/28/2017	16:57:57	0	0	0
483	11/28/2017	16:58:57	0	0	0
484	11/28/2017	16:59:57	0	0	0
485	11/28/2017	17:00:57	0	0	0
486	11/28/2017	17:01:57	0	0	0
487	11/28/2017	17:02:57	0	0	0
488	11/28/2017	17:03:57	0	0	0
489	11/28/2017	17:04:57	0	0	0
Peak	0	7	78		
Min	0	0	0		
Average	0	0	0		

=====

17/11/29 08:18

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

Begin 11/29/2017 08:18:15

End 11/29/2017 16:15:08

Sample Period(s) 60

Number of Records 476

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

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Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	11/29/2017 08:19:15	0	0	0	0
002	11/29/2017 08:20:15	0	0	0	0
003	11/29/2017 08:21:15	0	0	0	0
004	11/29/2017 08:22:15	0	0	0	0
005	11/29/2017 08:23:15	0	0	0	0
006	11/29/2017 08:24:15	0	0	0	0
007	11/29/2017 08:25:15	0	0	0	0
008	11/29/2017 08:26:15	0	0	0	0
009	11/29/2017 08:27:15	0	0	0	0
010	11/29/2017 08:28:15	0	0	0	0
011	11/29/2017 08:29:15	0	0	0	0
012	11/29/2017 08:30:15	0	0	0	0
013	11/29/2017 08:31:15	0	0	0	0
014	11/29/2017 08:32:15	0	0	0	0
015	11/29/2017 08:33:15	0	0	0	0
016	11/29/2017 08:34:15	0	0	0	0
017	11/29/2017 08:35:15	0	0	0	0
018	11/29/2017 08:36:15	0	0	0	0
019	11/29/2017 08:37:15	0	0	0	0
020	11/29/2017 08:38:15	0	0	0	0
021	11/29/2017 08:39:15	0	0	0	0
022	11/29/2017 08:40:15	0	0	0	0
023	11/29/2017 08:41:15	0	0	0	0
024	11/29/2017 08:42:15	0	0	0	0
025	11/29/2017 08:43:15	0	0	0	0
026	11/29/2017 08:44:15	0	0	0	0
027	11/29/2017 08:45:15	0	0	0	0
028	11/29/2017 08:46:15	0	0	0	0
029	11/29/2017 08:47:15	0	0	0	0
030	11/29/2017 08:48:15	0	0	0	0
031	11/29/2017 08:49:15	0	0	0	0
032	11/29/2017 08:50:15	0	0	0	0
033	11/29/2017 08:51:15	0	0	0	0
034	11/29/2017 08:52:15	0	0	0	0
035	11/29/2017 08:53:15	0	0	0	0

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036	11/29/2017 08:54:15	0	0	0
037	11/29/2017 08:55:15	0	0	0
038	11/29/2017 08:56:15	0	0	0
039	11/29/2017 08:57:15	0	0	0
040	11/29/2017 08:58:15	0	0	0
041	11/29/2017 08:59:15	0	0	0
042	11/29/2017 09:00:15	0	0	0
043	11/29/2017 09:01:15	0	0	0
044	11/29/2017 09:02:15	0	0	0
045	11/29/2017 09:03:15	0	0	0
046	11/29/2017 09:04:15	0	0	0
047	11/29/2017 09:05:15	0	0	0
048	11/29/2017 09:06:15	0	0	0
049	11/29/2017 09:07:15	0	0	0
050	11/29/2017 09:08:15	0	0	0
051	11/29/2017 09:09:15	0	0	0
052	11/29/2017 09:10:15	0	0	0
053	11/29/2017 09:11:15	0	0	0
054	11/29/2017 09:12:15	0	0	0
055	11/29/2017 09:13:15	0	0	0
056	11/29/2017 09:14:15	0	0	0
057	11/29/2017 09:15:15	0	0	0
058	11/29/2017 09:16:15	0	0	0
059	11/29/2017 09:17:15	0	0	0
060	11/29/2017 09:18:15	0	0	0
061	11/29/2017 09:19:15	0	0	0
062	11/29/2017 09:20:15	0	0	0
063	11/29/2017 09:21:15	0	0	0
064	11/29/2017 09:22:15	0	0	0
065	11/29/2017 09:23:15	0	0	0
066	11/29/2017 09:24:15	0	0	0
067	11/29/2017 09:25:15	0	0	0
068	11/29/2017 09:26:15	0	0	0
069	11/29/2017 09:27:15	0	0	0
070	11/29/2017 09:28:15	0	0	0
071	11/29/2017 09:29:15	0	0	0
072	11/29/2017 09:30:15	0	0	0
073	11/29/2017 09:31:15	0	0	0
074	11/29/2017 09:32:15	0	0	0
075	11/29/2017 09:33:15	0	0	0
076	11/29/2017 09:34:15	0	0	0
077	11/29/2017 09:35:15	0	0	0
078	11/29/2017 09:36:15	0	0	0
079	11/29/2017 09:37:15	0	0	0
080	11/29/2017 09:38:15	0	0	0
081	11/29/2017 09:39:15	0	0	0
082	11/29/2017 09:40:15	0	0	0
083	11/29/2017 09:41:15	0	0	0

			Pine_16464_20180226		
084	11/29/2017	09:42:15	0	0	0
085	11/29/2017	09:43:15	0	0	0
086	11/29/2017	09:44:15	0	0	0
087	11/29/2017	09:45:15	0	0	0
088	11/29/2017	09:46:15	0	0	0
089	11/29/2017	09:47:15	0	0	0
090	11/29/2017	09:48:15	0	0	0
091	11/29/2017	09:49:15	0	0	0
092	11/29/2017	09:50:15	0	0	0
093	11/29/2017	09:51:15	0	0	0
094	11/29/2017	09:52:15	0	0	0
095	11/29/2017	09:53:15	0	0	0
096	11/29/2017	09:54:15	0	0	0
097	11/29/2017	09:55:15	0	0	0
098	11/29/2017	09:56:15	0	0	0
099	11/29/2017	09:57:15	0	0	0
100	11/29/2017	09:58:15	0	0	0
101	11/29/2017	09:59:15	0	0	0
102	11/29/2017	10:00:15	0	0	0
103	11/29/2017	10:01:15	0	0	0
104	11/29/2017	10:02:15	0	0	0
105	11/29/2017	10:03:15	0	0	0
106	11/29/2017	10:04:15	0	0	0
107	11/29/2017	10:05:15	0	0	0
108	11/29/2017	10:06:15	0	0	0
109	11/29/2017	10:07:15	0	0	0
110	11/29/2017	10:08:15	0	0	0
111	11/29/2017	10:09:15	0	0	0
112	11/29/2017	10:10:15	0	0	0
113	11/29/2017	10:11:15	0	0	0
114	11/29/2017	10:12:15	0	0	0
115	11/29/2017	10:13:15	0	0	0
116	11/29/2017	10:14:15	0	0	0
117	11/29/2017	10:15:15	0	0	0
118	11/29/2017	10:16:15	0	0	0
119	11/29/2017	10:17:15	0	0	0
120	11/29/2017	10:18:15	0	0	0
121	11/29/2017	10:19:15	0	0	0
122	11/29/2017	10:20:15	0	0	0
123	11/29/2017	10:21:15	0	0	0
124	11/29/2017	10:22:15	0	0	0
125	11/29/2017	10:23:15	0	0	0
126	11/29/2017	10:24:15	0	0	0
127	11/29/2017	10:25:15	0	0	0
128	11/29/2017	10:26:15	0	0	0
129	11/29/2017	10:27:15	0	0	0
130	11/29/2017	10:28:15	0	0	0
131	11/29/2017	10:29:15	0	0	0

			Pine_16464_20180226		
132	11/29/2017	10:30:15	0	0	0
133	11/29/2017	10:31:15	0	0	0
134	11/29/2017	10:32:15	0	0	0
135	11/29/2017	10:33:15	0	0	0
136	11/29/2017	10:34:15	0	0	0
137	11/29/2017	10:35:15	0	0	0
138	11/29/2017	10:36:15	0	0	0
139	11/29/2017	10:37:15	0	0	0
140	11/29/2017	10:38:15	0	0	0
141	11/29/2017	10:39:15	0	0	0
142	11/29/2017	10:40:15	0	0	0
143	11/29/2017	10:41:15	0	0	0
144	11/29/2017	10:42:15	0	0	0
145	11/29/2017	10:43:15	0	0	0
146	11/29/2017	10:44:15	0	0	0
147	11/29/2017	10:45:15	0	0	0
148	11/29/2017	10:46:15	0	0	0
149	11/29/2017	10:47:15	0	0	0
150	11/29/2017	10:48:15	0	0	0
151	11/29/2017	10:49:15	0	0	0
152	11/29/2017	10:50:15	0	0	0
153	11/29/2017	10:51:15	0	0	0
154	11/29/2017	10:52:15	0	0	0
155	11/29/2017	10:53:15	0	0	0
156	11/29/2017	10:54:15	0	0	0
157	11/29/2017	10:55:15	0	0	0
158	11/29/2017	10:56:15	0	0	0
159	11/29/2017	10:57:15	0	0	0
160	11/29/2017	10:58:15	0	0	0
161	11/29/2017	10:59:15	0	0	0
162	11/29/2017	11:00:15	0	0	0
163	11/29/2017	11:01:15	0	0	0
164	11/29/2017	11:02:15	0	0	0
165	11/29/2017	11:03:15	0	0	0
166	11/29/2017	11:04:15	0	0	0
167	11/29/2017	11:05:15	0	0	0
168	11/29/2017	11:06:15	0	0	0
169	11/29/2017	11:07:15	0	0	0
170	11/29/2017	11:08:15	0	0	0
171	11/29/2017	11:09:15	0	0	0
172	11/29/2017	11:10:15	0	0	0
173	11/29/2017	11:11:15	0	0	0
174	11/29/2017	11:12:15	0	0	0
175	11/29/2017	11:13:15	0	0	0
176	11/29/2017	11:14:15	0	0	0
177	11/29/2017	11:15:15	0	0	0
178	11/29/2017	11:16:15	0	0	0
179	11/29/2017	11:17:15	0	0	0

			Pine_16464_20180226		
180	11/29/2017	11:18:15	0	0	0
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182	11/29/2017	11:20:15	0	0	0
183	11/29/2017	11:21:15	0	0	0
184	11/29/2017	11:22:15	0	0	0
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187	11/29/2017	11:25:15	0	0	0
188	11/29/2017	11:26:15	0	0	0
189	11/29/2017	11:27:15	0	0	0
190	11/29/2017	11:28:15	0	0	0
191	11/29/2017	11:29:15	0	0	0
192	11/29/2017	11:30:15	0	0	0
193	11/29/2017	11:31:15	0	0	0
194	11/29/2017	11:32:15	0	0	0
195	11/29/2017	11:33:15	0	0	0
196	11/29/2017	11:34:15	0	0	0
197	11/29/2017	11:35:15	0	0	0
198	11/29/2017	11:36:15	0	0	0
199	11/29/2017	11:37:15	0	0	0
200	11/29/2017	11:38:15	0	0	0
201	11/29/2017	11:39:15	0	0	0
202	11/29/2017	11:40:15	0	0	0
203	11/29/2017	11:41:15	0	0	0
204	11/29/2017	11:42:15	0	0	0
205	11/29/2017	11:43:15	0	0	0
206	11/29/2017	11:44:15	0	0	0
207	11/29/2017	11:45:15	0	0	0
208	11/29/2017	11:46:15	0	0	0
209	11/29/2017	11:47:15	0	0	0
210	11/29/2017	11:48:15	0	0	0
211	11/29/2017	11:49:15	0	0	0
212	11/29/2017	11:50:15	0	0	0
213	11/29/2017	11:51:15	0	0	0
214	11/29/2017	11:52:15	0	0	0
215	11/29/2017	11:53:15	0	0	0
216	11/29/2017	11:54:15	0	0	0
217	11/29/2017	11:55:15	0	0	0
218	11/29/2017	11:56:15	0	0	0
219	11/29/2017	11:57:15	0	0	0
220	11/29/2017	11:58:15	0	0	0
221	11/29/2017	11:59:15	0	0	0
222	11/29/2017	12:00:15	0	0	0
223	11/29/2017	12:01:15	0	0	0
224	11/29/2017	12:02:15	0	0	0
225	11/29/2017	12:03:15	0	0	0
226	11/29/2017	12:04:15	0	0	0
227	11/29/2017	12:05:15	0	0	0

			Pine_16464_20180226		
228	11/29/2017	12:06:15	0	0	0
229	11/29/2017	12:07:15	0	0	0
230	11/29/2017	12:08:15	0	0	0
231	11/29/2017	12:09:15	0	0	0
232	11/29/2017	12:10:15	0	0	0
233	11/29/2017	12:11:15	0	0	0
234	11/29/2017	12:12:15	0	0	0
235	11/29/2017	12:13:15	0	0	0
236	11/29/2017	12:14:15	0	0	0
237	11/29/2017	12:15:15	0	0	0
238	11/29/2017	12:16:15	0	0	0
239	11/29/2017	12:17:15	0	0	0
240	11/29/2017	12:18:15	0	0	0
241	11/29/2017	12:19:15	0	0	0
242	11/29/2017	12:20:15	0	0	0
243	11/29/2017	12:21:15	0	0	0
244	11/29/2017	12:22:15	0	0	0
245	11/29/2017	12:23:15	0	0	0
246	11/29/2017	12:24:15	0	0	0
247	11/29/2017	12:25:15	0	0	0
248	11/29/2017	12:26:15	0	0	0
249	11/29/2017	12:27:15	0	0	0
250	11/29/2017	12:28:15	0	0	0
251	11/29/2017	12:29:15	0	0	0
252	11/29/2017	12:30:15	0	0	0
253	11/29/2017	12:31:15	0	0	0
254	11/29/2017	12:32:15	0	0	0
255	11/29/2017	12:33:15	0	0	0
256	11/29/2017	12:34:15	0	0	0
257	11/29/2017	12:35:15	0	0	0
258	11/29/2017	12:36:15	0	0	0
259	11/29/2017	12:37:15	0	0	0
260	11/29/2017	12:38:15	0	0	0
261	11/29/2017	12:39:15	0	0	0
262	11/29/2017	12:40:15	0	0	0
263	11/29/2017	12:41:15	0	0	0
264	11/29/2017	12:42:15	0	0	0
265	11/29/2017	12:43:15	0	0	0
266	11/29/2017	12:44:15	0	0	0
267	11/29/2017	12:45:15	0	0	0
268	11/29/2017	12:46:15	0	0	0
269	11/29/2017	12:47:15	0	0	0
270	11/29/2017	12:48:15	0	0	0
271	11/29/2017	12:49:15	0	0	0
272	11/29/2017	12:50:15	0	0	0
273	11/29/2017	12:51:15	0	0	0
274	11/29/2017	12:52:15	0	0	0
275	11/29/2017	12:53:15	0	0	0

			Pine_16464_20180226		
276	11/29/2017	12:54:15	0	0	0
277	11/29/2017	12:55:15	0	0	0
278	11/29/2017	12:56:15	0	0	0
279	11/29/2017	12:57:15	0	0	0
280	11/29/2017	12:58:15	0	0	0
281	11/29/2017	12:59:15	0	0	0
282	11/29/2017	13:00:15	0	0	0
283	11/29/2017	13:01:15	0	0	0
284	11/29/2017	13:02:15	0	0	0
285	11/29/2017	13:03:15	0	0	0
286	11/29/2017	13:04:15	0	0	0
287	11/29/2017	13:05:15	0	0	0
288	11/29/2017	13:06:15	0	0	0
289	11/29/2017	13:07:15	0	0	0
290	11/29/2017	13:08:15	0	0	0
291	11/29/2017	13:09:15	0	0	0
292	11/29/2017	13:10:15	0	0	0
293	11/29/2017	13:11:15	0	0	0
294	11/29/2017	13:12:15	0	0	0
295	11/29/2017	13:13:15	0	0	0
296	11/29/2017	13:14:15	0	0	0
297	11/29/2017	13:15:15	0	0	0
298	11/29/2017	13:16:15	0	0	0
299	11/29/2017	13:17:15	0	0	0
300	11/29/2017	13:18:15	0	0	0
301	11/29/2017	13:19:15	0	0	0
302	11/29/2017	13:20:15	0	0	0
303	11/29/2017	13:21:15	0	0	0
304	11/29/2017	13:22:15	0	0	0
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306	11/29/2017	13:24:15	0	0	0
307	11/29/2017	13:25:15	0	0	0
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314	11/29/2017	13:32:15	0	0	0
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318	11/29/2017	13:36:15	0	0	0
319	11/29/2017	13:37:15	0	0	0
320	11/29/2017	13:38:15	0	0	0
321	11/29/2017	13:39:15	0	0	0
322	11/29/2017	13:40:15	0	0	0
323	11/29/2017	13:41:15	0	0	0

			Pine_16464_20180226		
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325	11/29/2017	13:43:15	0	0	0
326	11/29/2017	13:44:15	0	0	0
327	11/29/2017	13:45:15	0	0	0
328	11/29/2017	13:46:15	0	0	0
329	11/29/2017	13:47:15	0	0	0
330	11/29/2017	13:48:15	0	0	0
331	11/29/2017	13:49:15	0	0	0
332	11/29/2017	13:50:15	0	0	0
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336	11/29/2017	13:54:15	0	0	0
337	11/29/2017	13:55:15	0	0	0
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339	11/29/2017	13:57:15	0	0	0
340	11/29/2017	13:58:15	0	0	0
341	11/29/2017	13:59:15	0	0	0
342	11/29/2017	14:00:15	0	0	0
343	11/29/2017	14:01:15	0	0	0
344	11/29/2017	14:02:15	0	0	0
345	11/29/2017	14:03:15	0	0	0
346	11/29/2017	14:04:15	0	0	0
347	11/29/2017	14:05:15	0	0	0
348	11/29/2017	14:06:15	0	0	0
349	11/29/2017	14:07:15	0	0	0
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351	11/29/2017	14:09:15	0	0	0
352	11/29/2017	14:10:15	0	0	0
353	11/29/2017	14:11:15	0	0	0
354	11/29/2017	14:12:15	0	0	0
355	11/29/2017	14:13:15	0	0	0
356	11/29/2017	14:14:15	0	0	0
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359	11/29/2017	14:17:15	0	0	0
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361	11/29/2017	14:19:15	0	0	0
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367	11/29/2017	14:25:15	0	0	0
368	11/29/2017	14:26:15	0	0	0
369	11/29/2017	14:27:15	0	0	0
370	11/29/2017	14:28:15	0	0	0
371	11/29/2017	14:29:15	0	0	0

			Pine_16464_20180226		
372	11/29/2017	14:30:15	0	0	0
373	11/29/2017	14:31:15	0	0	0
374	11/29/2017	14:32:15	0	0	0
375	11/29/2017	14:33:15	0	0	0
376	11/29/2017	14:34:15	0	0	0
377	11/29/2017	14:35:15	0	0	0
378	11/29/2017	14:36:15	0	0	0
379	11/29/2017	14:37:15	0	0	0
380	11/29/2017	14:38:15	0	0	0
381	11/29/2017	14:39:15	0	0	0
382	11/29/2017	14:40:15	0	0	0
383	11/29/2017	14:41:15	0	0	0
384	11/29/2017	14:42:15	0	0	0
385	11/29/2017	14:43:15	0	0	0
386	11/29/2017	14:44:15	0	0	0
387	11/29/2017	14:45:15	0	0	0
388	11/29/2017	14:46:15	0	0	0
389	11/29/2017	14:47:15	0	0	0
390	11/29/2017	14:48:15	0	0	0
391	11/29/2017	14:49:15	0	0	0
392	11/29/2017	14:50:15	0	0	0
393	11/29/2017	14:51:15	0	0	0
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396	11/29/2017	14:54:15	0	0	0
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398	11/29/2017	14:56:15	0	0	0
399	11/29/2017	14:57:15	0	0	0
400	11/29/2017	14:58:15	0	0	0
401	11/29/2017	14:59:15	0	0	0
402	11/29/2017	15:00:15	0	0	0
403	11/29/2017	15:01:15	0	0	0
404	11/29/2017	15:02:15	0	0	0
405	11/29/2017	15:03:15	0	0	0
406	11/29/2017	15:04:15	0	0	0
407	11/29/2017	15:05:15	0	0	0
408	11/29/2017	15:06:15	0	0	0
409	11/29/2017	15:07:15	0	0	0
410	11/29/2017	15:08:15	0	0	0
411	11/29/2017	15:09:15	0	0	0
412	11/29/2017	15:10:15	0	0	0
413	11/29/2017	15:11:15	0	0	0
414	11/29/2017	15:12:15	0	0	0
415	11/29/2017	15:13:15	0	0	0
416	11/29/2017	15:14:15	0	92	813
417	11/29/2017	15:15:15	0	83	231
418	11/29/2017	15:16:15	0	22	117
419	11/29/2017	15:17:15	0	0	0

			Pine_16464_20180226		
420	11/29/2017	15:18:15	0	0	0
421	11/29/2017	15:19:15	0	0	0
422	11/29/2017	15:20:15	0	0	0
423	11/29/2017	15:21:15	0	0	0
424	11/29/2017	15:22:15	0	0	0
425	11/29/2017	15:23:15	0	0	0
426	11/29/2017	15:24:15	0	0	0
427	11/29/2017	15:25:15	0	0	0
428	11/29/2017	15:26:15	0	0	0
429	11/29/2017	15:27:15	0	0	0
430	11/29/2017	15:28:15	0	0	0
431	11/29/2017	15:29:15	0	0	0
432	11/29/2017	15:30:15	0	0	0
433	11/29/2017	15:31:15	0	0	0
434	11/29/2017	15:32:15	0	0	0
435	11/29/2017	15:33:15	0	0	0
436	11/29/2017	15:34:15	0	0	0
437	11/29/2017	15:35:15	0	0	0
438	11/29/2017	15:36:15	0	0	0
439	11/29/2017	15:37:15	0	0	0
440	11/29/2017	15:38:15	0	0	0
441	11/29/2017	15:39:15	0	0	0
442	11/29/2017	15:40:15	0	0	0
443	11/29/2017	15:41:15	0	0	0
444	11/29/2017	15:42:15	0	0	0
445	11/29/2017	15:43:15	0	0	0
446	11/29/2017	15:44:15	0	0	0
447	11/29/2017	15:45:15	0	0	0
448	11/29/2017	15:46:15	0	0	0
449	11/29/2017	15:47:15	0	0	0
450	11/29/2017	15:48:15	0	0	0
451	11/29/2017	15:49:15	0	0	0
452	11/29/2017	15:50:15	0	0	0
453	11/29/2017	15:51:15	0	0	0
454	11/29/2017	15:52:15	0	0	0
455	11/29/2017	15:53:15	0	0	0
456	11/29/2017	15:54:15	0	0	0
457	11/29/2017	15:55:15	0	0	0
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461	11/29/2017	15:59:15	0	0	0
462	11/29/2017	16:00:15	0	0	0
463	11/29/2017	16:01:15	0	0	0
464	11/29/2017	16:02:15	0	0	0
465	11/29/2017	16:03:15	0	0	0
466	11/29/2017	16:04:15	0	0	0
467	11/29/2017	16:05:15	0	0	0

			Pine_16464_20180226
468	11/29/2017	16:06:15	0 0 0
469	11/29/2017	16:07:15	0 0 0
470	11/29/2017	16:08:15	0 0 0
471	11/29/2017	16:09:15	0 0 0
472	11/29/2017	16:10:15	0 0 0
473	11/29/2017	16:11:15	0 0 0
474	11/29/2017	16:12:15	0 0 0
475	11/29/2017	16:13:15	0 0 0
476	11/29/2017	16:14:15	0 0 0
Peak	0	92	813
Min	0	0	0
Average	0	0	2

=====
17/11/30 08:38

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 11/30/2017 08:38:13
End 11/30/2017 16:14:00
Sample Period(s) 60
Number of Records 455

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A

Min N/A

Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	11/30/2017 08:39:13	0	0	0	0
002	11/30/2017 08:40:13	0	0	0	0
003	11/30/2017 08:41:13	0	0	0	0
004	11/30/2017 08:42:13	0	0	0	0
005	11/30/2017 08:43:13	0	0	0	0
006	11/30/2017 08:44:13	0	0	0	0
007	11/30/2017 08:45:13	0	0	0	0
008	11/30/2017 08:46:13	0	0	0	0
009	11/30/2017 08:47:13	0	0	0	0
010	11/30/2017 08:48:13	0	0	0	0
011	11/30/2017 08:49:13	0	0	0	0
012	11/30/2017 08:50:13	0	0	0	0
013	11/30/2017 08:51:13	0	0	0	0
014	11/30/2017 08:52:13	0	0	0	0
015	11/30/2017 08:53:13	0	0	0	0
016	11/30/2017 08:54:13	0	0	0	0
017	11/30/2017 08:55:13	0	0	0	0
018	11/30/2017 08:56:13	0	0	0	0
019	11/30/2017 08:57:13	0	0	0	0
020	11/30/2017 08:58:13	0	0	0	0
021	11/30/2017 08:59:13	0	0	0	0
022	11/30/2017 09:00:13	0	0	0	0
023	11/30/2017 09:01:13	0	0	0	0
024	11/30/2017 09:02:13	0	0	0	0
025	11/30/2017 09:03:13	0	0	0	0
026	11/30/2017 09:04:13	0	0	0	0
027	11/30/2017 09:05:13	0	0	0	0
028	11/30/2017 09:06:13	0	0	0	0
029	11/30/2017 09:07:13	0	0	0	0
030	11/30/2017 09:08:13	0	0	0	0
031	11/30/2017 09:09:13	0	0	0	0
032	11/30/2017 09:10:13	0	0	0	0
033	11/30/2017 09:11:13	0	0	0	0
034	11/30/2017 09:12:13	0	0	0	0
035	11/30/2017 09:13:13	0	0	0	0
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037	11/30/2017 09:15:13	0	0	0	0
038	11/30/2017 09:16:13	0	0	0	0
039	11/30/2017 09:17:13	0	0	0	0
040	11/30/2017 09:18:13	0	0	0	0
041	11/30/2017 09:19:13	0	0	0	0

			Pine_16464_20180226		
042	11/30/2017	09:20:13	0	0	0
043	11/30/2017	09:21:13	0	0	0
044	11/30/2017	09:22:13	0	0	0
045	11/30/2017	09:23:13	0	0	0
046	11/30/2017	09:24:13	0	0	0
047	11/30/2017	09:25:13	0	0	0
048	11/30/2017	09:26:13	0	0	0
049	11/30/2017	09:27:13	0	0	0
050	11/30/2017	09:28:13	0	0	0
051	11/30/2017	09:29:13	0	0	0
052	11/30/2017	09:30:13	0	0	0
053	11/30/2017	09:31:13	0	0	0
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057	11/30/2017	09:35:13	0	0	0
058	11/30/2017	09:36:13	0	0	0
059	11/30/2017	09:37:13	0	0	0
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062	11/30/2017	09:40:13	0	0	0
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064	11/30/2017	09:42:13	0	0	0
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066	11/30/2017	09:44:13	0	0	0
067	11/30/2017	09:45:13	0	0	0
068	11/30/2017	09:46:13	0	0	0
069	11/30/2017	09:47:13	0	0	0
070	11/30/2017	09:48:13	0	0	0
071	11/30/2017	09:49:13	0	0	0
072	11/30/2017	09:50:13	0	0	0
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074	11/30/2017	09:52:13	0	0	0
075	11/30/2017	09:53:13	0	0	0
076	11/30/2017	09:54:13	0	0	0
077	11/30/2017	09:55:13	0	0	0
078	11/30/2017	09:56:13	0	0	0
079	11/30/2017	09:57:13	0	0	0
080	11/30/2017	09:58:13	0	0	0
081	11/30/2017	09:59:13	0	0	0
082	11/30/2017	10:00:13	0	0	0
083	11/30/2017	10:01:13	0	0	0
084	11/30/2017	10:02:13	0	0	0
085	11/30/2017	10:03:13	0	0	0
086	11/30/2017	10:04:13	0	0	0
087	11/30/2017	10:05:13	0	0	0
088	11/30/2017	10:06:13	0	0	0
089	11/30/2017	10:07:13	0	0	0

			Pine_16464_20180226		
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093	11/30/2017	10:11:13	0	0	0
094	11/30/2017	10:12:13	0	0	0
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097	11/30/2017	10:15:13	0	0	0
098	11/30/2017	10:16:13	0	0	0
099	11/30/2017	10:17:13	0	0	0
100	11/30/2017	10:18:13	0	0	0
101	11/30/2017	10:19:13	0	0	0
102	11/30/2017	10:20:13	0	0	0
103	11/30/2017	10:21:13	0	0	0
104	11/30/2017	10:22:13	0	0	0
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106	11/30/2017	10:24:13	0	0	0
107	11/30/2017	10:25:13	0	0	0
108	11/30/2017	10:26:13	0	0	0
109	11/30/2017	10:27:13	0	0	0
110	11/30/2017	10:28:13	0	0	0
111	11/30/2017	10:29:13	0	0	0
112	11/30/2017	10:30:13	0	0	0
113	11/30/2017	10:31:13	0	0	0
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115	11/30/2017	10:33:13	0	0	0
116	11/30/2017	10:34:13	0	0	0
117	11/30/2017	10:35:13	0	0	0
118	11/30/2017	10:36:13	0	0	0
119	11/30/2017	10:37:13	0	0	0
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121	11/30/2017	10:39:13	0	0	0
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123	11/30/2017	10:41:13	0	0	0
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127	11/30/2017	10:45:13	0	0	0
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132	11/30/2017	10:50:13	0	0	0
133	11/30/2017	10:51:13	0	0	0
134	11/30/2017	10:52:13	0	0	0
135	11/30/2017	10:53:13	0	0	0
136	11/30/2017	10:54:13	0	0	0
137	11/30/2017	10:55:13	0	0	0

			Pine_16464_20180226		
138	11/30/2017	10:56:13	0	0	0
139	11/30/2017	10:57:13	0	0	0
140	11/30/2017	10:58:13	0	0	0
141	11/30/2017	10:59:13	0	0	0
142	11/30/2017	11:00:13	0	0	0
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145	11/30/2017	11:03:13	0	0	0
146	11/30/2017	11:04:13	0	0	0
147	11/30/2017	11:05:13	0	0	0
148	11/30/2017	11:06:13	0	0	0
149	11/30/2017	11:07:13	0	0	0
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151	11/30/2017	11:09:13	0	0	0
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153	11/30/2017	11:11:13	0	0	0
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156	11/30/2017	11:14:13	0	0	0
157	11/30/2017	11:15:13	0	0	0
158	11/30/2017	11:16:13	0	0	0
159	11/30/2017	11:17:13	0	0	0
160	11/30/2017	11:18:13	0	0	0
161	11/30/2017	11:19:13	0	0	0
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163	11/30/2017	11:21:13	0	0	0
164	11/30/2017	11:22:13	0	0	0
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168	11/30/2017	11:26:13	0	0	0
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170	11/30/2017	11:28:13	0	0	0
171	11/30/2017	11:29:13	0	0	0
172	11/30/2017	11:30:13	0	0	0
173	11/30/2017	11:31:13	0	0	0
174	11/30/2017	11:32:13	0	0	0
175	11/30/2017	11:33:13	0	0	0
176	11/30/2017	11:34:13	0	0	0
177	11/30/2017	11:35:13	0	0	0
178	11/30/2017	11:36:13	0	0	0
179	11/30/2017	11:37:13	0	0	0
180	11/30/2017	11:38:13	0	0	0
181	11/30/2017	11:39:13	0	0	0
182	11/30/2017	11:40:13	0	0	0
183	11/30/2017	11:41:13	0	0	0
184	11/30/2017	11:42:13	0	0	0
185	11/30/2017	11:43:13	0	0	0

			Pine_16464_20180226		
186	11/30/2017	11:44:13	0	0	0
187	11/30/2017	11:45:13	0	0	0
188	11/30/2017	11:46:13	0	0	0
189	11/30/2017	11:47:13	0	0	0
190	11/30/2017	11:48:13	0	0	0
191	11/30/2017	11:49:13	0	0	0
192	11/30/2017	11:50:13	0	0	0
193	11/30/2017	11:51:13	0	0	0
194	11/30/2017	11:52:13	0	0	0
195	11/30/2017	11:53:13	0	0	0
196	11/30/2017	11:54:13	0	0	0
197	11/30/2017	11:55:13	0	0	0
198	11/30/2017	11:56:13	0	0	0
199	11/30/2017	11:57:13	0	0	0
200	11/30/2017	11:58:13	0	0	0
201	11/30/2017	11:59:13	0	0	0
202	11/30/2017	12:00:13	0	0	0
203	11/30/2017	12:01:13	0	0	0
204	11/30/2017	12:02:13	0	0	0
205	11/30/2017	12:03:13	0	0	0
206	11/30/2017	12:04:13	0	0	0
207	11/30/2017	12:05:13	0	0	0
208	11/30/2017	12:06:13	0	0	0
209	11/30/2017	12:07:13	0	0	0
210	11/30/2017	12:08:13	0	0	0
211	11/30/2017	12:09:13	0	0	0
212	11/30/2017	12:10:13	0	0	0
213	11/30/2017	12:11:13	0	0	0
214	11/30/2017	12:12:13	0	0	0
215	11/30/2017	12:13:13	0	0	0
216	11/30/2017	12:14:13	0	0	0
217	11/30/2017	12:15:13	0	0	0
218	11/30/2017	12:16:13	0	0	0
219	11/30/2017	12:17:13	0	0	0
220	11/30/2017	12:18:13	0	0	0
221	11/30/2017	12:19:13	0	0	0
222	11/30/2017	12:20:13	0	0	0
223	11/30/2017	12:21:13	0	0	0
224	11/30/2017	12:22:13	0	0	0
225	11/30/2017	12:23:13	0	0	0
226	11/30/2017	12:24:13	0	0	0
227	11/30/2017	12:25:13	0	0	0
228	11/30/2017	12:26:13	0	0	0
229	11/30/2017	12:27:13	0	0	0
230	11/30/2017	12:28:13	0	0	0
231	11/30/2017	12:29:13	0	0	0
232	11/30/2017	12:30:13	0	0	0
233	11/30/2017	12:31:13	0	0	0

			Pine_16464_20180226		
234	11/30/2017	12:32:13	0	0	0
235	11/30/2017	12:33:13	0	0	0
236	11/30/2017	12:34:13	0	0	0
237	11/30/2017	12:35:13	0	0	0
238	11/30/2017	12:36:13	0	0	0
239	11/30/2017	12:37:13	0	0	0
240	11/30/2017	12:38:13	0	0	0
241	11/30/2017	12:39:13	0	0	0
242	11/30/2017	12:40:13	0	0	0
243	11/30/2017	12:41:13	0	0	0
244	11/30/2017	12:42:13	0	0	0
245	11/30/2017	12:43:13	0	0	0
246	11/30/2017	12:44:13	0	0	0
247	11/30/2017	12:45:13	0	0	0
248	11/30/2017	12:46:13	0	0	0
249	11/30/2017	12:47:13	0	0	0
250	11/30/2017	12:48:13	0	0	0
251	11/30/2017	12:49:13	0	0	0
252	11/30/2017	12:50:13	0	0	0
253	11/30/2017	12:51:13	0	0	0
254	11/30/2017	12:52:13	0	0	0
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256	11/30/2017	12:54:13	0	0	0
257	11/30/2017	12:55:13	0	0	0
258	11/30/2017	12:56:13	0	0	0
259	11/30/2017	12:57:13	0	0	0
260	11/30/2017	12:58:13	0	0	0
261	11/30/2017	12:59:13	0	0	0
262	11/30/2017	13:00:13	0	0	0
263	11/30/2017	13:01:13	0	0	0
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265	11/30/2017	13:03:13	0	0	0
266	11/30/2017	13:04:13	0	0	0
267	11/30/2017	13:05:13	0	0	0
268	11/30/2017	13:06:13	0	0	19
269	11/30/2017	13:07:13	0	8	133
270	11/30/2017	13:08:13	0	0	0
271	11/30/2017	13:09:13	0	0	0
272	11/30/2017	13:10:13	0	0	0
273	11/30/2017	13:11:13	0	0	0
274	11/30/2017	13:12:13	0	0	0
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276	11/30/2017	13:14:13	0	0	0
277	11/30/2017	13:15:13	0	0	0
278	11/30/2017	13:16:13	0	0	0
279	11/30/2017	13:17:13	0	0	0
280	11/30/2017	13:18:13	0	0	0
281	11/30/2017	13:19:13	0	0	0

			Pine_16464_20180226		
282	11/30/2017	13:20:13	0	0	0
283	11/30/2017	13:21:13	0	0	0
284	11/30/2017	13:22:13	0	0	0
285	11/30/2017	13:23:13	0	0	0
286	11/30/2017	13:24:13	0	0	0
287	11/30/2017	13:25:13	0	0	0
288	11/30/2017	13:26:13	0	0	0
289	11/30/2017	13:27:13	0	0	0
290	11/30/2017	13:28:13	0	0	0
291	11/30/2017	13:29:13	0	0	0
292	11/30/2017	13:30:13	0	0	0
293	11/30/2017	13:31:13	0	0	0
294	11/30/2017	13:32:13	0	0	0
295	11/30/2017	13:33:13	0	0	0
296	11/30/2017	13:34:13	0	0	0
297	11/30/2017	13:35:13	0	0	0
298	11/30/2017	13:36:13	0	0	0
299	11/30/2017	13:37:13	0	0	0
300	11/30/2017	13:38:13	0	0	0
301	11/30/2017	13:39:13	0	0	0
302	11/30/2017	13:40:13	0	0	0
303	11/30/2017	13:41:13	0	0	0
304	11/30/2017	13:42:13	0	0	0
305	11/30/2017	13:43:13	0	0	0
306	11/30/2017	13:44:13	0	0	0
307	11/30/2017	13:45:13	0	0	0
308	11/30/2017	13:46:13	0	0	0
309	11/30/2017	13:47:13	0	0	0
310	11/30/2017	13:48:13	0	0	0
311	11/30/2017	13:49:13	0	0	0
312	11/30/2017	13:50:13	0	0	0
313	11/30/2017	13:51:13	0	0	0
314	11/30/2017	13:52:13	0	0	0
315	11/30/2017	13:53:13	0	0	0
316	11/30/2017	13:54:13	0	0	0
317	11/30/2017	13:55:13	0	0	0
318	11/30/2017	13:56:13	0	0	0
319	11/30/2017	13:57:13	0	0	0
320	11/30/2017	13:58:13	0	0	0
321	11/30/2017	13:59:13	0	0	0
322	11/30/2017	14:00:13	0	0	0
323	11/30/2017	14:01:13	0	0	0
324	11/30/2017	14:02:13	0	0	0
325	11/30/2017	14:03:13	0	17	229
326	11/30/2017	14:04:13	0	0	0
327	11/30/2017	14:05:13	0	0	0
328	11/30/2017	14:06:13	0	0	0
329	11/30/2017	14:07:13	0	0	0

			Pine_16464_20180226		
330	11/30/2017	14:08:13	0	0	0
331	11/30/2017	14:09:13	0	0	0
332	11/30/2017	14:10:13	0	0	0
333	11/30/2017	14:11:13	0	0	0
334	11/30/2017	14:12:13	0	0	0
335	11/30/2017	14:13:13	0	0	0
336	11/30/2017	14:14:13	0	0	0
337	11/30/2017	14:15:13	0	0	0
338	11/30/2017	14:16:13	0	0	0
339	11/30/2017	14:17:13	0	0	0
340	11/30/2017	14:18:13	0	0	0
341	11/30/2017	14:19:13	0	0	0
342	11/30/2017	14:20:13	0	0	0
343	11/30/2017	14:21:13	0	0	0
344	11/30/2017	14:22:13	0	0	0
345	11/30/2017	14:23:13	0	0	0
346	11/30/2017	14:24:13	0	0	0
347	11/30/2017	14:25:13	0	0	0
348	11/30/2017	14:26:13	0	0	0
349	11/30/2017	14:27:13	0	0	0
350	11/30/2017	14:28:13	0	0	0
351	11/30/2017	14:29:13	0	0	0
352	11/30/2017	14:30:13	0	0	0
353	11/30/2017	14:31:13	0	0	0
354	11/30/2017	14:32:13	0	0	0
355	11/30/2017	14:33:13	0	0	0
356	11/30/2017	14:34:13	0	0	0
357	11/30/2017	14:35:13	0	0	0
358	11/30/2017	14:36:13	0	0	0
359	11/30/2017	14:37:13	0	0	0
360	11/30/2017	14:38:13	0	0	0
361	11/30/2017	14:39:13	0	0	0
362	11/30/2017	14:40:13	0	0	0
363	11/30/2017	14:41:13	0	0	0
364	11/30/2017	14:42:13	0	0	0
365	11/30/2017	14:43:13	0	0	0
366	11/30/2017	14:44:13	0	0	0
367	11/30/2017	14:45:13	0	0	0
368	11/30/2017	14:46:13	0	0	0
369	11/30/2017	14:47:13	0	0	0
370	11/30/2017	14:48:13	0	0	0
371	11/30/2017	14:49:13	0	0	0
372	11/30/2017	14:50:13	0	0	0
373	11/30/2017	14:51:13	0	0	0
374	11/30/2017	14:52:13	0	0	0
375	11/30/2017	14:53:13	0	0	0
376	11/30/2017	14:54:13	0	0	0
377	11/30/2017	14:55:13	0	0	0

			Pine_16464_20180226		
378	11/30/2017	14:56:13	0	0	0
379	11/30/2017	14:57:13	0	0	0
380	11/30/2017	14:58:13	0	0	0
381	11/30/2017	14:59:13	0	0	0
382	11/30/2017	15:00:13	0	0	0
383	11/30/2017	15:01:13	0	0	0
384	11/30/2017	15:02:13	0	0	0
385	11/30/2017	15:03:13	0	0	0
386	11/30/2017	15:04:13	0	0	0
387	11/30/2017	15:05:13	0	0	0
388	11/30/2017	15:06:13	0	0	0
389	11/30/2017	15:07:13	0	0	0
390	11/30/2017	15:08:13	0	0	0
391	11/30/2017	15:09:13	0	0	0
392	11/30/2017	15:10:13	0	0	0
393	11/30/2017	15:11:13	0	0	0
394	11/30/2017	15:12:13	0	0	0
395	11/30/2017	15:13:13	0	0	0
396	11/30/2017	15:14:13	0	0	0
397	11/30/2017	15:15:13	0	0	0
398	11/30/2017	15:16:13	0	0	0
399	11/30/2017	15:17:13	0	0	0
400	11/30/2017	15:18:13	0	0	0
401	11/30/2017	15:19:13	0	0	0
402	11/30/2017	15:20:13	0	0	0
403	11/30/2017	15:21:13	0	0	0
404	11/30/2017	15:22:13	0	0	0
405	11/30/2017	15:23:13	0	0	0
406	11/30/2017	15:24:13	0	0	0
407	11/30/2017	15:25:13	0	0	0
408	11/30/2017	15:26:13	0	0	0
409	11/30/2017	15:27:13	0	0	0
410	11/30/2017	15:28:13	0	0	0
411	11/30/2017	15:29:13	0	0	0
412	11/30/2017	15:30:13	0	0	0
413	11/30/2017	15:31:13	0	0	0
414	11/30/2017	15:32:13	0	0	0
415	11/30/2017	15:33:13	0	0	0
416	11/30/2017	15:34:13	0	0	0
417	11/30/2017	15:35:13	0	0	0
418	11/30/2017	15:36:13	0	0	0
419	11/30/2017	15:37:13	0	0	0
420	11/30/2017	15:38:13	0	0	0
421	11/30/2017	15:39:13	0	0	0
422	11/30/2017	15:40:13	0	0	0
423	11/30/2017	15:41:13	0	0	0
424	11/30/2017	15:42:13	0	0	0
425	11/30/2017	15:43:13	0	0	0

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Pine_16464_20180226
426      11/30/2017 15:44:13      0      0      0
427      11/30/2017 15:45:13      0      0      0
428      11/30/2017 15:46:13      0      0      0
429      11/30/2017 15:47:13      0      0      0
430      11/30/2017 15:48:13      0      0      0
431      11/30/2017 15:49:13      0      0      0
432      11/30/2017 15:50:13      0      0      0
433      11/30/2017 15:51:13      0      0      0
434      11/30/2017 15:52:13      0      0      0
435      11/30/2017 15:53:13      0      0      0
436      11/30/2017 15:54:13      0      0      0
437      11/30/2017 15:55:13      0      0      0
438      11/30/2017 15:56:13      0      0      0
439      11/30/2017 15:57:13      0      0      0
440      11/30/2017 15:58:13      0      0      0
441      11/30/2017 15:59:13      0      0      0
442      11/30/2017 16:00:13      0      0      0
443      11/30/2017 16:01:13      0      0      0
444      11/30/2017 16:02:13      0      0      0
445      11/30/2017 16:03:13      0      0      0
446      11/30/2017 16:04:13      0      0      0
447      11/30/2017 16:05:13      0      0      0
448      11/30/2017 16:06:13      0      0      0
449      11/30/2017 16:07:13      0      0      0
450      11/30/2017 16:08:13      0      0      0
451      11/30/2017 16:09:13      0      0      0
452      11/30/2017 16:10:13      0      0      0
453      11/30/2017 16:11:13      0      0      0
454      11/30/2017 16:12:13      0      0      0
455      11/30/2017 16:13:13      0      609     1044
Peak              0      609     1044
Min               0      0      0
Average           0      1      3

```

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17/12/01 07:25

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Summary

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```

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

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```

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

 Site ID 00000056

User ID 00000001

Begin 12/1/2017 07:25:46

End 12/1/2017 13:00:20

Sample Period(s) 60

Number of Records 334

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

TWA Alarm 100000

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Peak N/A

Min N/A

Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	12/1/2017 07:26:46	0	0	0	0
002	12/1/2017 07:27:46	0	0	0	0
003	12/1/2017 07:28:46	0	0	0	0
004	12/1/2017 07:29:46	0	0	0	0
005	12/1/2017 07:30:46	0	0	0	0
006	12/1/2017 07:31:46	0	0	0	0
007	12/1/2017 07:32:46	0	0	0	0
008	12/1/2017 07:33:46	0	0	0	0
009	12/1/2017 07:34:46	0	0	0	0
010	12/1/2017 07:35:46	0	0	0	0
011	12/1/2017 07:36:46	0	0	0	0
012	12/1/2017 07:37:46	0	0	0	0
013	12/1/2017 07:38:46	0	0	0	0
014	12/1/2017 07:39:46	0	0	0	0
015	12/1/2017 07:40:46	0	0	0	0
016	12/1/2017 07:41:46	0	0	0	0
017	12/1/2017 07:42:46	0	0	0	0
018	12/1/2017 07:43:46	0	0	0	0
019	12/1/2017 07:44:46	0	0	0	0
020	12/1/2017 07:45:46	0	0	0	0

Pine_16464_20180226

021	12/1/2017 07:46:46	0	0	0
022	12/1/2017 07:47:46	0	0	0
023	12/1/2017 07:48:46	0	0	0
024	12/1/2017 07:49:46	0	0	0
025	12/1/2017 07:50:46	0	0	0
026	12/1/2017 07:51:46	0	0	0
027	12/1/2017 07:52:46	0	0	0
028	12/1/2017 07:53:46	0	0	0
029	12/1/2017 07:54:46	0	0	0
030	12/1/2017 07:55:46	0	0	0
031	12/1/2017 07:56:46	0	0	0
032	12/1/2017 07:57:46	0	0	0
033	12/1/2017 07:58:46	0	0	0
034	12/1/2017 07:59:46	0	0	0
035	12/1/2017 08:00:46	0	0	0
036	12/1/2017 08:01:46	0	0	0
037	12/1/2017 08:02:46	0	0	0
038	12/1/2017 08:03:46	0	0	0
039	12/1/2017 08:04:46	0	0	0
040	12/1/2017 08:05:46	0	0	0
041	12/1/2017 08:06:46	0	0	0
042	12/1/2017 08:07:46	0	0	0
043	12/1/2017 08:08:46	0	0	0
044	12/1/2017 08:09:46	0	0	0
045	12/1/2017 08:10:46	0	0	0
046	12/1/2017 08:11:46	0	0	0
047	12/1/2017 08:12:46	0	0	0
048	12/1/2017 08:13:46	0	0	0
049	12/1/2017 08:14:46	0	0	0
050	12/1/2017 08:15:46	0	0	0
051	12/1/2017 08:16:46	0	0	0
052	12/1/2017 08:17:46	0	0	0
053	12/1/2017 08:18:46	0	0	0
054	12/1/2017 08:19:46	0	0	0
055	12/1/2017 08:20:46	0	0	0
056	12/1/2017 08:21:46	0	0	0
057	12/1/2017 08:22:46	0	0	0
058	12/1/2017 08:23:46	0	0	0
059	12/1/2017 08:24:46	0	0	0
060	12/1/2017 08:25:46	0	0	0
061	12/1/2017 08:26:46	0	0	0
062	12/1/2017 08:27:46	0	0	0
063	12/1/2017 08:28:46	0	0	0
064	12/1/2017 08:29:46	0	0	0
065	12/1/2017 08:30:46	0	0	0
066	12/1/2017 08:31:46	0	0	0
067	12/1/2017 08:32:46	0	0	0
068	12/1/2017 08:33:46	0	0	0

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069	12/1/2017 08:34:46	0	0	0
070	12/1/2017 08:35:46	0	0	0
071	12/1/2017 08:36:46	0	0	0
072	12/1/2017 08:37:46	0	0	0
073	12/1/2017 08:38:46	0	0	0
074	12/1/2017 08:39:46	0	0	0
075	12/1/2017 08:40:46	0	0	0
076	12/1/2017 08:41:46	0	0	0
077	12/1/2017 08:42:46	0	0	0
078	12/1/2017 08:43:46	0	0	0
079	12/1/2017 08:44:46	0	0	0
080	12/1/2017 08:45:46	0	0	0
081	12/1/2017 08:46:46	0	0	0
082	12/1/2017 08:47:46	0	0	0
083	12/1/2017 08:48:46	0	0	0
084	12/1/2017 08:49:46	0	0	0
085	12/1/2017 08:50:46	0	0	0
086	12/1/2017 08:51:46	0	0	0
087	12/1/2017 08:52:46	0	0	0
088	12/1/2017 08:53:46	0	0	0
089	12/1/2017 08:54:46	0	0	0
090	12/1/2017 08:55:46	0	0	0
091	12/1/2017 08:56:46	0	0	0
092	12/1/2017 08:57:46	0	0	0
093	12/1/2017 08:58:46	0	0	0
094	12/1/2017 08:59:46	0	0	0
095	12/1/2017 09:00:46	0	0	0
096	12/1/2017 09:01:46	0	0	0
097	12/1/2017 09:02:46	0	0	0
098	12/1/2017 09:03:46	0	0	0
099	12/1/2017 09:04:46	0	0	0
100	12/1/2017 09:05:46	0	0	0
101	12/1/2017 09:06:46	0	0	0
102	12/1/2017 09:07:46	0	0	0
103	12/1/2017 09:08:46	0	0	0
104	12/1/2017 09:09:46	0	0	0
105	12/1/2017 09:10:46	0	0	0
106	12/1/2017 09:11:46	0	0	0
107	12/1/2017 09:12:46	0	0	0
108	12/1/2017 09:13:46	0	0	0
109	12/1/2017 09:14:46	0	0	0
110	12/1/2017 09:15:46	0	0	0
111	12/1/2017 09:16:46	0	0	0
112	12/1/2017 09:17:46	0	0	0
113	12/1/2017 09:18:46	0	0	0
114	12/1/2017 09:19:46	0	0	0
115	12/1/2017 09:20:46	0	0	0
116	12/1/2017 09:21:46	0	0	0

			Pine_16464_20180226		
117	12/1/2017	09:22:46	0	0	0
118	12/1/2017	09:23:46	0	0	0
119	12/1/2017	09:24:46	0	0	0
120	12/1/2017	09:25:46	0	0	0
121	12/1/2017	09:26:46	0	0	0
122	12/1/2017	09:27:46	0	0	0
123	12/1/2017	09:28:46	0	0	0
124	12/1/2017	09:29:46	0	0	0
125	12/1/2017	09:30:46	0	0	0
126	12/1/2017	09:31:46	0	0	0
127	12/1/2017	09:32:46	0	0	0
128	12/1/2017	09:33:46	0	0	0
129	12/1/2017	09:34:46	0	0	0
130	12/1/2017	09:35:46	0	0	0
131	12/1/2017	09:36:46	0	0	0
132	12/1/2017	09:37:46	0	0	0
133	12/1/2017	09:38:46	0	0	0
134	12/1/2017	09:39:46	0	0	0
135	12/1/2017	09:40:46	0	0	0
136	12/1/2017	09:41:46	0	0	0
137	12/1/2017	09:42:46	0	0	0
138	12/1/2017	09:43:46	0	0	0
139	12/1/2017	09:44:46	0	0	0
140	12/1/2017	09:45:46	0	0	0
141	12/1/2017	09:46:46	0	0	0
142	12/1/2017	09:47:46	0	0	0
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146	12/1/2017	09:51:46	0	0	0
147	12/1/2017	09:52:46	0	0	0
148	12/1/2017	09:53:46	0	0	0
149	12/1/2017	09:54:46	0	0	0
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152	12/1/2017	09:57:46	0	0	0
153	12/1/2017	09:58:46	0	0	0
154	12/1/2017	09:59:46	0	0	0
155	12/1/2017	10:00:46	0	0	0
156	12/1/2017	10:01:46	0	0	0
157	12/1/2017	10:02:46	0	0	0
158	12/1/2017	10:03:46	0	0	0
159	12/1/2017	10:04:46	0	0	0
160	12/1/2017	10:05:46	0	0	0
161	12/1/2017	10:06:46	0	0	0
162	12/1/2017	10:07:46	0	0	0
163	12/1/2017	10:08:46	0	0	0
164	12/1/2017	10:09:46	0	0	0

			Pine_16464_20180226		
165	12/1/2017	10:10:46	0	0	0
166	12/1/2017	10:11:46	0	0	0
167	12/1/2017	10:12:46	0	0	0
168	12/1/2017	10:13:46	0	0	0
169	12/1/2017	10:14:46	0	0	0
170	12/1/2017	10:15:46	0	0	0
171	12/1/2017	10:16:46	0	0	0
172	12/1/2017	10:17:46	0	0	0
173	12/1/2017	10:18:46	0	0	0
174	12/1/2017	10:19:46	0	0	0
175	12/1/2017	10:20:46	0	0	0
176	12/1/2017	10:21:46	0	0	0
177	12/1/2017	10:22:46	0	0	0
178	12/1/2017	10:23:46	0	0	0
179	12/1/2017	10:24:46	0	0	0
180	12/1/2017	10:25:46	0	0	0
181	12/1/2017	10:26:46	0	0	0
182	12/1/2017	10:27:46	0	0	0
183	12/1/2017	10:28:46	0	0	0
184	12/1/2017	10:29:46	0	0	0
185	12/1/2017	10:30:46	0	0	0
186	12/1/2017	10:31:46	0	0	0
187	12/1/2017	10:32:46	0	0	0
188	12/1/2017	10:33:46	0	0	0
189	12/1/2017	10:34:46	0	0	0
190	12/1/2017	10:35:46	0	0	0
191	12/1/2017	10:36:46	0	0	0
192	12/1/2017	10:37:46	0	0	0
193	12/1/2017	10:38:46	0	0	0
194	12/1/2017	10:39:46	0	0	0
195	12/1/2017	10:40:46	0	0	0
196	12/1/2017	10:41:46	0	0	0
197	12/1/2017	10:42:46	0	0	0
198	12/1/2017	10:43:46	0	0	0
199	12/1/2017	10:44:46	0	0	0
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201	12/1/2017	10:46:46	0	0	0
202	12/1/2017	10:47:46	0	0	0
203	12/1/2017	10:48:46	0	0	0
204	12/1/2017	10:49:46	0	0	0
205	12/1/2017	10:50:46	0	0	0
206	12/1/2017	10:51:46	0	0	0
207	12/1/2017	10:52:46	0	0	0
208	12/1/2017	10:53:46	0	0	0
209	12/1/2017	10:54:46	0	0	0
210	12/1/2017	10:55:46	0	0	0
211	12/1/2017	10:56:46	0	0	0
212	12/1/2017	10:57:46	0	0	0

			Pine_16464_20180226		
213	12/1/2017	10:58:46	0	0	0
214	12/1/2017	10:59:46	0	0	0
215	12/1/2017	11:00:46	0	0	0
216	12/1/2017	11:01:46	0	0	0
217	12/1/2017	11:02:46	0	0	0
218	12/1/2017	11:03:46	0	0	0
219	12/1/2017	11:04:46	0	0	0
220	12/1/2017	11:05:46	0	0	0
221	12/1/2017	11:06:46	0	0	0
222	12/1/2017	11:07:46	0	0	0
223	12/1/2017	11:08:46	0	0	0
224	12/1/2017	11:09:46	0	0	0
225	12/1/2017	11:10:46	0	0	0
226	12/1/2017	11:11:46	0	0	0
227	12/1/2017	11:12:46	0	0	0
228	12/1/2017	11:13:46	0	0	0
229	12/1/2017	11:14:46	0	0	0
230	12/1/2017	11:15:46	0	0	0
231	12/1/2017	11:16:46	0	0	0
232	12/1/2017	11:17:46	0	0	0
233	12/1/2017	11:18:46	0	0	0
234	12/1/2017	11:19:46	0	0	0
235	12/1/2017	11:20:46	0	0	0
236	12/1/2017	11:21:46	0	0	0
237	12/1/2017	11:22:46	0	0	0
238	12/1/2017	11:23:46	0	0	0
239	12/1/2017	11:24:46	0	0	0
240	12/1/2017	11:25:46	0	0	0
241	12/1/2017	11:26:46	0	0	0
242	12/1/2017	11:27:46	0	0	0
243	12/1/2017	11:28:46	0	0	0
244	12/1/2017	11:29:46	0	0	0
245	12/1/2017	11:30:46	0	0	0
246	12/1/2017	11:31:46	0	0	0
247	12/1/2017	11:32:46	0	0	0
248	12/1/2017	11:33:46	0	0	0
249	12/1/2017	11:34:46	0	0	0
250	12/1/2017	11:35:46	0	0	0
251	12/1/2017	11:36:46	0	0	0
252	12/1/2017	11:37:46	0	0	0
253	12/1/2017	11:38:46	0	0	0
254	12/1/2017	11:39:46	0	0	0
255	12/1/2017	11:40:46	0	0	0
256	12/1/2017	11:41:46	0	0	0
257	12/1/2017	11:42:46	0	0	0
258	12/1/2017	11:43:46	0	0	0
259	12/1/2017	11:44:46	0	0	0
260	12/1/2017	11:45:46	0	0	0

			Pine_16464_20180226		
261	12/1/2017	11:46:46	0	0	0
262	12/1/2017	11:47:46	0	0	0
263	12/1/2017	11:48:46	0	0	0
264	12/1/2017	11:49:46	0	0	0
265	12/1/2017	11:50:46	0	0	0
266	12/1/2017	11:51:46	0	0	0
267	12/1/2017	11:52:46	0	0	0
268	12/1/2017	11:53:46	0	0	0
269	12/1/2017	11:54:46	0	0	0
270	12/1/2017	11:55:46	0	0	0
271	12/1/2017	11:56:46	0	0	0
272	12/1/2017	11:57:46	0	0	0
273	12/1/2017	11:58:46	0	0	0
274	12/1/2017	11:59:46	0	0	0
275	12/1/2017	12:00:46	0	0	0
276	12/1/2017	12:01:46	0	0	0
277	12/1/2017	12:02:46	0	0	0
278	12/1/2017	12:03:46	0	0	0
279	12/1/2017	12:04:46	0	0	0
280	12/1/2017	12:05:46	0	0	0
281	12/1/2017	12:06:46	0	0	0
282	12/1/2017	12:07:46	0	0	0
283	12/1/2017	12:08:46	0	0	0
284	12/1/2017	12:09:46	0	0	0
285	12/1/2017	12:10:46	0	0	0
286	12/1/2017	12:11:46	0	0	0
287	12/1/2017	12:12:46	0	0	0
288	12/1/2017	12:13:46	0	0	0
289	12/1/2017	12:14:46	0	0	0
290	12/1/2017	12:15:46	0	0	0
291	12/1/2017	12:16:46	0	0	0
292	12/1/2017	12:17:46	0	0	0
293	12/1/2017	12:18:46	0	0	0
294	12/1/2017	12:19:46	0	0	0
295	12/1/2017	12:20:46	0	0	0
296	12/1/2017	12:21:46	0	0	0
297	12/1/2017	12:22:46	0	0	0
298	12/1/2017	12:23:46	0	0	0
299	12/1/2017	12:24:46	0	0	0
300	12/1/2017	12:25:46	0	0	0
301	12/1/2017	12:26:46	0	0	0
302	12/1/2017	12:27:46	0	0	0
303	12/1/2017	12:28:46	0	0	0
304	12/1/2017	12:29:46	0	0	0
305	12/1/2017	12:30:46	0	0	0
306	12/1/2017	12:31:46	0	0	0
307	12/1/2017	12:32:46	0	0	0
308	12/1/2017	12:33:46	0	0	0

Pine_16464_20180226					
309	12/1/2017	12:34:46	0	0	0
310	12/1/2017	12:35:46	0	0	0
311	12/1/2017	12:36:46	0	0	0
312	12/1/2017	12:37:46	0	0	0
313	12/1/2017	12:38:46	0	0	0
314	12/1/2017	12:39:46	0	0	0
315	12/1/2017	12:40:46	0	0	0
316	12/1/2017	12:41:46	0	0	0
317	12/1/2017	12:42:46	0	0	0
318	12/1/2017	12:43:46	0	473	1981
319	12/1/2017	12:44:46	268	1478	3108
320	12/1/2017	12:45:46	0	448	2649
321	12/1/2017	12:46:46	0	1	22
322	12/1/2017	12:47:46	0	0	0
323	12/1/2017	12:48:46	0	0	0
324	12/1/2017	12:49:46	0	0	0
325	12/1/2017	12:50:46	0	0	0
326	12/1/2017	12:51:46	0	0	0
327	12/1/2017	12:52:46	0	0	0
328	12/1/2017	12:53:46	0	0	0
329	12/1/2017	12:54:46	0	12	34
330	12/1/2017	12:55:46	33	61	91
331	12/1/2017	12:56:46	93	118	140
332	12/1/2017	12:57:46	141	175	213
333	12/1/2017	12:58:46	210	229	242
334	12/1/2017	12:59:46	234	262	299
Peak		268	1478	3108	
Min		0	0	0	
Average		3	10	26	

=====

17/12/04 08:10

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

Pine_16464_20180226

```
-----
Begin   12/4/2017 08:10:22
End     12/4/2017 16:38:00
Sample Period(s)      60
Number of Records     507
-----
```

```
Sensor  VOC(ppb)
Span    100000
Span 2  N/A
Low Alarm      50000
High Alarm     100000
Over Alarm     15000000
STEL Alarm     25000
TWA Alarm      100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak         N/A
Min          N/A
Average      N/A
```

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	12/4/2017 08:11:22	0	0	0	0
002	12/4/2017 08:12:22	0	0	0	0
003	12/4/2017 08:13:22	0	0	0	0
004	12/4/2017 08:14:22	0	0	0	0
005	12/4/2017 08:15:22	0	20	57	57
006	12/4/2017 08:16:22	0	22	87	87
007	12/4/2017 08:17:22	0	10	65	65
008	12/4/2017 08:18:22	62	110	177	177
009	12/4/2017 08:19:22	144	263	406	406
010	12/4/2017 08:20:22	276	337	385	385
011	12/4/2017 08:21:22	350	374	405	405
012	12/4/2017 08:22:22	404	416	426	426
013	12/4/2017 08:23:22	411	417	430	430
014	12/4/2017 08:24:22	422	454	485	485
015	12/4/2017 08:25:22	359	415	491	491
016	12/4/2017 08:26:22	257	295	359	359
017	12/4/2017 08:27:22	143	211	255	255
018	12/4/2017 08:28:22	112	123	151	151
019	12/4/2017 08:29:22	118	130	151	151
020	12/4/2017 08:30:22	151	193	255	255
021	12/4/2017 08:31:22	258	350	420	420
022	12/4/2017 08:32:22	422	464	509	509
023	12/4/2017 08:33:22	510	561	608	608
024	12/4/2017 08:34:22	7	404	612	612

			Pine_16464_20180226		
025	12/4/2017	08:35:22	0	0	2
026	12/4/2017	08:36:22	0	0	0
027	12/4/2017	08:37:22	0	0	0
028	12/4/2017	08:38:22	0	0	0
029	12/4/2017	08:39:22	0	0	0
030	12/4/2017	08:40:22	0	0	0
031	12/4/2017	08:41:22	0	0	0
032	12/4/2017	08:42:22	0	0	0
033	12/4/2017	08:43:22	0	0	0
034	12/4/2017	08:44:22	0	0	0
035	12/4/2017	08:45:22	0	0	0
036	12/4/2017	08:46:22	0	0	0
037	12/4/2017	08:47:22	0	0	0
038	12/4/2017	08:48:22	0	0	0
039	12/4/2017	08:49:22	0	0	0
040	12/4/2017	08:50:22	0	0	0
041	12/4/2017	08:51:22	0	0	0
042	12/4/2017	08:52:22	0	0	0
043	12/4/2017	08:53:22	0	0	0
044	12/4/2017	08:54:22	0	0	0
045	12/4/2017	08:55:22	0	0	0
046	12/4/2017	08:56:22	0	0	0
047	12/4/2017	08:57:22	0	0	0
048	12/4/2017	08:58:22	0	0	0
049	12/4/2017	08:59:22	0	0	0
050	12/4/2017	09:00:22	0	0	0
051	12/4/2017	09:01:22	0	0	0
052	12/4/2017	09:02:22	0	0	0
053	12/4/2017	09:03:22	0	0	0
054	12/4/2017	09:04:22	0	0	0
055	12/4/2017	09:05:22	0	0	0
056	12/4/2017	09:06:22	0	0	0
057	12/4/2017	09:07:22	0	0	0
058	12/4/2017	09:08:22	0	0	0
059	12/4/2017	09:09:22	0	0	0
060	12/4/2017	09:10:22	0	0	0
061	12/4/2017	09:11:22	0	0	0
062	12/4/2017	09:12:22	0	0	0
063	12/4/2017	09:13:22	0	0	0
064	12/4/2017	09:14:22	0	0	0
065	12/4/2017	09:15:22	0	0	0
066	12/4/2017	09:16:22	0	0	0
067	12/4/2017	09:17:22	0	0	0
068	12/4/2017	09:18:22	0	0	0
069	12/4/2017	09:19:22	0	0	0
070	12/4/2017	09:20:22	0	0	0
071	12/4/2017	09:21:22	0	0	0
072	12/4/2017	09:22:22	0	0	0

			Pine_16464_20180226		
073	12/4/2017	09:23:22	0	0	0
074	12/4/2017	09:24:22	0	0	0
075	12/4/2017	09:25:22	0	0	0
076	12/4/2017	09:26:22	0	0	0
077	12/4/2017	09:27:22	0	0	0
078	12/4/2017	09:28:22	0	0	0
079	12/4/2017	09:29:22	0	0	0
080	12/4/2017	09:30:22	0	0	0
081	12/4/2017	09:31:22	0	0	0
082	12/4/2017	09:32:22	0	0	0
083	12/4/2017	09:33:22	0	0	0
084	12/4/2017	09:34:22	0	0	0
085	12/4/2017	09:35:22	0	0	0
086	12/4/2017	09:36:22	0	0	0
087	12/4/2017	09:37:22	0	0	0
088	12/4/2017	09:38:22	0	0	0
089	12/4/2017	09:39:22	0	0	0
090	12/4/2017	09:40:22	0	0	0
091	12/4/2017	09:41:22	0	0	0
092	12/4/2017	09:42:22	0	0	0
093	12/4/2017	09:43:22	0	0	0
094	12/4/2017	09:44:22	0	0	0
095	12/4/2017	09:45:22	0	0	0
096	12/4/2017	09:46:22	0	0	0
097	12/4/2017	09:47:22	0	0	0
098	12/4/2017	09:48:22	0	0	0
099	12/4/2017	09:49:22	0	0	0
100	12/4/2017	09:50:22	0	0	0
101	12/4/2017	09:51:22	0	0	0
102	12/4/2017	09:52:22	0	0	0
103	12/4/2017	09:53:22	0	0	0
104	12/4/2017	09:54:22	0	0	0
105	12/4/2017	09:55:22	0	0	0
106	12/4/2017	09:56:22	0	0	0
107	12/4/2017	09:57:22	0	0	0
108	12/4/2017	09:58:22	0	0	0
109	12/4/2017	09:59:22	0	0	0
110	12/4/2017	10:00:22	0	0	0
111	12/4/2017	10:01:22	0	0	0
112	12/4/2017	10:02:22	0	0	0
113	12/4/2017	10:03:22	0	0	0
114	12/4/2017	10:04:22	0	0	0
115	12/4/2017	10:05:22	0	0	0
116	12/4/2017	10:06:22	0	0	0
117	12/4/2017	10:07:22	0	0	0
118	12/4/2017	10:08:22	0	0	0
119	12/4/2017	10:09:22	0	0	0
120	12/4/2017	10:10:22	0	0	0

			Pine_16464_20180226		
121	12/4/2017	10:11:22	0	0	0
122	12/4/2017	10:12:22	0	0	0
123	12/4/2017	10:13:22	0	0	0
124	12/4/2017	10:14:22	0	0	0
125	12/4/2017	10:15:22	0	0	0
126	12/4/2017	10:16:22	0	0	0
127	12/4/2017	10:17:22	0	0	0
128	12/4/2017	10:18:22	0	0	0
129	12/4/2017	10:19:22	0	0	0
130	12/4/2017	10:20:22	0	0	0
131	12/4/2017	10:21:22	0	0	0
132	12/4/2017	10:22:22	0	0	0
133	12/4/2017	10:23:22	0	0	0
134	12/4/2017	10:24:22	0	0	0
135	12/4/2017	10:25:22	0	0	0
136	12/4/2017	10:26:22	0	0	0
137	12/4/2017	10:27:22	0	0	0
138	12/4/2017	10:28:22	0	0	0
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140	12/4/2017	10:30:22	0	0	0
141	12/4/2017	10:31:22	0	0	0
142	12/4/2017	10:32:22	0	0	0
143	12/4/2017	10:33:22	0	0	0
144	12/4/2017	10:34:22	0	0	0
145	12/4/2017	10:35:22	0	0	0
146	12/4/2017	10:36:22	0	0	0
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148	12/4/2017	10:38:22	0	0	0
149	12/4/2017	10:39:22	0	0	0
150	12/4/2017	10:40:22	0	0	0
151	12/4/2017	10:41:22	0	0	0
152	12/4/2017	10:42:22	0	0	0
153	12/4/2017	10:43:22	0	0	0
154	12/4/2017	10:44:22	0	28	434
155	12/4/2017	10:45:22	0	0	0
156	12/4/2017	10:46:22	0	0	0
157	12/4/2017	10:47:22	0	0	0
158	12/4/2017	10:48:22	0	0	0
159	12/4/2017	10:49:22	0	0	0
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161	12/4/2017	10:51:22	0	0	0
162	12/4/2017	10:52:22	0	0	0
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164	12/4/2017	10:54:22	0	0	0
165	12/4/2017	10:55:22	0	0	0
166	12/4/2017	10:56:22	0	0	0
167	12/4/2017	10:57:22	0	0	0
168	12/4/2017	10:58:22	0	0	0

			Pine_16464_20180226		
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172	12/4/2017	11:02:22	0	0	0
173	12/4/2017	11:03:22	0	0	0
174	12/4/2017	11:04:22	0	0	0
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176	12/4/2017	11:06:22	0	0	0
177	12/4/2017	11:07:22	0	0	0
178	12/4/2017	11:08:22	0	0	0
179	12/4/2017	11:09:22	0	0	0
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184	12/4/2017	11:14:22	0	0	0
185	12/4/2017	11:15:22	0	0	0
186	12/4/2017	11:16:22	0	0	0
187	12/4/2017	11:17:22	0	0	0
188	12/4/2017	11:18:22	0	0	0
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194	12/4/2017	11:24:22	0	0	0
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207	12/4/2017	11:37:22	0	0	0
208	12/4/2017	11:38:22	0	0	0
209	12/4/2017	11:39:22	0	0	0
210	12/4/2017	11:40:22	0	0	0
211	12/4/2017	11:41:22	0	0	0
212	12/4/2017	11:42:22	0	0	0
213	12/4/2017	11:43:22	0	0	0
214	12/4/2017	11:44:22	0	0	0
215	12/4/2017	11:45:22	0	0	0
216	12/4/2017	11:46:22	0	0	0

			Pine_16464_20180226		
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220	12/4/2017	11:50:22	0	0	0
221	12/4/2017	11:51:22	0	0	0
222	12/4/2017	11:52:22	0	0	0
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226	12/4/2017	11:56:22	0	0	0
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232	12/4/2017	12:02:22	0	0	0
233	12/4/2017	12:03:22	0	0	0
234	12/4/2017	12:04:22	0	0	0
235	12/4/2017	12:05:22	0	0	0
236	12/4/2017	12:06:22	0	0	0
237	12/4/2017	12:07:22	0	0	0
238	12/4/2017	12:08:22	0	0	0
239	12/4/2017	12:09:22	0	0	0
240	12/4/2017	12:10:22	0	0	0
241	12/4/2017	12:11:22	0	0	0
242	12/4/2017	12:12:22	0	0	0
243	12/4/2017	12:13:22	0	0	0
244	12/4/2017	12:14:22	0	0	0
245	12/4/2017	12:15:22	0	0	0
246	12/4/2017	12:16:22	0	0	0
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260	12/4/2017	12:30:22	0	0	0
261	12/4/2017	12:31:22	0	0	0
262	12/4/2017	12:32:22	0	0	0
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264	12/4/2017	12:34:22	0	0	0

			Pine_16464_20180226		
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267	12/4/2017	12:37:22	0	0	0
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269	12/4/2017	12:39:22	0	0	0
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277	12/4/2017	12:47:22	0	0	0
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281	12/4/2017	12:51:22	0	0	0
282	12/4/2017	12:52:22	0	0	0
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289	12/4/2017	12:59:22	0	0	0
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292	12/4/2017	13:02:22	0	0	0
293	12/4/2017	13:03:22	0	0	0
294	12/4/2017	13:04:22	0	0	0
295	12/4/2017	13:05:22	0	0	0
296	12/4/2017	13:06:22	0	0	0
297	12/4/2017	13:07:22	0	0	0
298	12/4/2017	13:08:22	0	0	0
299	12/4/2017	13:09:22	0	0	0
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308	12/4/2017	13:18:22	0	0	0
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			Pine_16464_20180226		
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317	12/4/2017	13:27:22	0	0	0
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326	12/4/2017	13:36:22	0	0	0
327	12/4/2017	13:37:22	0	0	0
328	12/4/2017	13:38:22	0	0	0
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331	12/4/2017	13:41:22	0	0	0
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341	12/4/2017	13:51:22	0	0	0
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343	12/4/2017	13:53:22	0	0	0
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345	12/4/2017	13:55:22	0	0	0
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356	12/4/2017	14:06:22	0	0	0
357	12/4/2017	14:07:22	0	0	0
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			Pine_16464_20180226		
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366	12/4/2017	14:16:22	0	0	0
367	12/4/2017	14:17:22	0	0	0
368	12/4/2017	14:18:22	0	0	0
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371	12/4/2017	14:21:22	0	0	0
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373	12/4/2017	14:23:22	0	0	0
374	12/4/2017	14:24:22	0	0	0
375	12/4/2017	14:25:22	0	0	0
376	12/4/2017	14:26:22	0	0	0
377	12/4/2017	14:27:22	0	0	0
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379	12/4/2017	14:29:22	0	0	0
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381	12/4/2017	14:31:22	0	0	0
382	12/4/2017	14:32:22	0	0	0
383	12/4/2017	14:33:22	0	0	0
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386	12/4/2017	14:36:22	0	0	0
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388	12/4/2017	14:38:22	0	0	0
389	12/4/2017	14:39:22	0	0	0
390	12/4/2017	14:40:22	0	0	0
391	12/4/2017	14:41:22	0	0	0
392	12/4/2017	14:42:22	0	0	0
393	12/4/2017	14:43:22	0	0	0
394	12/4/2017	14:44:22	0	0	0
395	12/4/2017	14:45:22	0	0	0
396	12/4/2017	14:46:22	0	0	0
397	12/4/2017	14:47:22	0	0	0
398	12/4/2017	14:48:22	0	0	0
399	12/4/2017	14:49:22	0	0	0
400	12/4/2017	14:50:22	0	0	0
401	12/4/2017	14:51:22	0	0	0
402	12/4/2017	14:52:22	0	0	0
403	12/4/2017	14:53:22	0	0	0
404	12/4/2017	14:54:22	0	0	0
405	12/4/2017	14:55:22	0	0	0
406	12/4/2017	14:56:22	0	0	0
407	12/4/2017	14:57:22	0	0	0
408	12/4/2017	14:58:22	0	0	0

Pine_16464_20180226

409	12/4/2017	14:59:22	0	0	0
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411	12/4/2017	15:01:22	0	0	0
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413	12/4/2017	15:03:22	0	0	0
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417	12/4/2017	15:07:22	0	0	0
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419	12/4/2017	15:09:22	0	0	0
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421	12/4/2017	15:11:22	0	0	0
422	12/4/2017	15:12:22	0	0	0
423	12/4/2017	15:13:22	0	0	0
424	12/4/2017	15:14:22	0	0	0
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427	12/4/2017	15:17:22	0	0	0
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431	12/4/2017	15:21:22	0	0	0
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433	12/4/2017	15:23:22	0	0	0
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436	12/4/2017	15:26:22	0	0	0
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438	12/4/2017	15:28:22	0	0	0
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441	12/4/2017	15:31:22	0	0	0
442	12/4/2017	15:32:22	0	0	0
443	12/4/2017	15:33:22	0	0	0
444	12/4/2017	15:34:22	0	0	0
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446	12/4/2017	15:36:22	0	0	0
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448	12/4/2017	15:38:22	0	0	0
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451	12/4/2017	15:41:22	0	0	0
452	12/4/2017	15:42:22	0	0	0
453	12/4/2017	15:43:22	0	0	0
454	12/4/2017	15:44:22	0	0	0
455	12/4/2017	15:45:22	0	0	0
456	12/4/2017	15:46:22	0	0	0

			Pine_16464_20180226		
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458	12/4/2017	15:48:22	0	0	0
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463	12/4/2017	15:53:22	0	0	0
464	12/4/2017	15:54:22	0	0	0
465	12/4/2017	15:55:22	0	0	0
466	12/4/2017	15:56:22	0	0	0
467	12/4/2017	15:57:22	0	0	0
468	12/4/2017	15:58:22	0	0	0
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470	12/4/2017	16:00:22	0	0	0
471	12/4/2017	16:01:22	0	0	0
472	12/4/2017	16:02:22	0	0	0
473	12/4/2017	16:03:22	0	0	0
474	12/4/2017	16:04:22	0	0	0
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476	12/4/2017	16:06:22	0	0	0
477	12/4/2017	16:07:22	0	0	0
478	12/4/2017	16:08:22	0	0	0
479	12/4/2017	16:09:22	0	0	0
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481	12/4/2017	16:11:22	0	0	0
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483	12/4/2017	16:13:22	0	0	0
484	12/4/2017	16:14:22	0	8	27
485	12/4/2017	16:15:22	0	3	9
486	12/4/2017	16:16:22	0	0	0
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497	12/4/2017	16:27:22	0	0	0
498	12/4/2017	16:28:22	0	0	0
499	12/4/2017	16:29:22	0	0	0
500	12/4/2017	16:30:22	0	0	0
501	12/4/2017	16:31:22	0	0	0
502	12/4/2017	16:32:22	0	0	0
503	12/4/2017	16:33:22	0	0	0
504	12/4/2017	16:34:22	0	0	0

			Pine_16464_20180226
505	12/4/2017 16:35:22	0	0 0
506	12/4/2017 16:36:22	0	0 0
507	12/4/2017 16:37:22	0	0 0
Peak	510 561	612	
Min	0 0	0	
Average	9 11	14	

=====
17/12/05 08:20

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 12/5/2017 08:20:59
End 12/5/2017 16:17:46
Sample Period(s) 60
Number of Records 476

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

VOC(ppb)	VOC(ppb)	VOC(ppb)
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Index	Date/Time	(Min)	Pine_16464_20180226 (Avg)	(Max)	
001	12/5/2017	08:21:59	0	0	0
002	12/5/2017	08:22:59	0	0	0
003	12/5/2017	08:23:59	0	0	0
004	12/5/2017	08:24:59	0	0	0
005	12/5/2017	08:25:59	0	0	0
006	12/5/2017	08:26:59	0	0	0
007	12/5/2017	08:27:59	0	0	0
008	12/5/2017	08:28:59	0	0	0
009	12/5/2017	08:29:59	0	0	0
010	12/5/2017	08:30:59	0	0	0
011	12/5/2017	08:31:59	0	0	0
012	12/5/2017	08:32:59	0	0	0
013	12/5/2017	08:33:59	0	0	0
014	12/5/2017	08:34:59	0	0	0
015	12/5/2017	08:35:59	0	0	0
016	12/5/2017	08:36:59	0	0	0
017	12/5/2017	08:37:59	0	0	0
018	12/5/2017	08:38:59	0	0	0
019	12/5/2017	08:39:59	0	0	0
020	12/5/2017	08:40:59	0	0	0
021	12/5/2017	08:41:59	0	0	0
022	12/5/2017	08:42:59	0	0	0
023	12/5/2017	08:43:59	0	0	0
024	12/5/2017	08:44:59	0	0	0
025	12/5/2017	08:45:59	0	0	0
026	12/5/2017	08:46:59	0	0	0
027	12/5/2017	08:47:59	0	0	0
028	12/5/2017	08:48:59	0	0	0
029	12/5/2017	08:49:59	0	0	0
030	12/5/2017	08:50:59	0	0	0
031	12/5/2017	08:51:59	0	0	0
032	12/5/2017	08:52:59	0	0	0
033	12/5/2017	08:53:59	0	0	0
034	12/5/2017	08:54:59	0	0	0
035	12/5/2017	08:55:59	0	0	0
036	12/5/2017	08:56:59	0	0	0
037	12/5/2017	08:57:59	0	0	0
038	12/5/2017	08:58:59	0	0	0
039	12/5/2017	08:59:59	0	0	0
040	12/5/2017	09:00:59	0	0	0
041	12/5/2017	09:01:59	0	0	0
042	12/5/2017	09:02:59	0	0	0
043	12/5/2017	09:03:59	0	0	0
044	12/5/2017	09:04:59	0	0	0
045	12/5/2017	09:05:59	0	0	0
046	12/5/2017	09:06:59	0	0	0
047	12/5/2017	09:07:59	0	0	0

			Pine_16464_20180226		
048	12/5/2017	09:08:59	0	0	0
049	12/5/2017	09:09:59	0	0	0
050	12/5/2017	09:10:59	0	0	0
051	12/5/2017	09:11:59	0	0	0
052	12/5/2017	09:12:59	0	0	0
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054	12/5/2017	09:14:59	0	0	0
055	12/5/2017	09:15:59	0	0	0
056	12/5/2017	09:16:59	0	0	0
057	12/5/2017	09:17:59	0	0	0
058	12/5/2017	09:18:59	0	0	0
059	12/5/2017	09:19:59	0	0	0
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061	12/5/2017	09:21:59	0	0	0
062	12/5/2017	09:22:59	0	0	0
063	12/5/2017	09:23:59	0	0	0
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065	12/5/2017	09:25:59	0	0	0
066	12/5/2017	09:26:59	0	0	0
067	12/5/2017	09:27:59	0	0	0
068	12/5/2017	09:28:59	0	0	0
069	12/5/2017	09:29:59	0	0	0
070	12/5/2017	09:30:59	0	0	0
071	12/5/2017	09:31:59	0	0	0
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077	12/5/2017	09:37:59	0	0	0
078	12/5/2017	09:38:59	0	0	0
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082	12/5/2017	09:42:59	0	0	0
083	12/5/2017	09:43:59	0	0	0
084	12/5/2017	09:44:59	0	0	0
085	12/5/2017	09:45:59	0	0	0
086	12/5/2017	09:46:59	0	0	0
087	12/5/2017	09:47:59	0	0	0
088	12/5/2017	09:48:59	0	0	0
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092	12/5/2017	09:52:59	0	0	0
093	12/5/2017	09:53:59	0	0	0
094	12/5/2017	09:54:59	0	0	0
095	12/5/2017	09:55:59	0	0	0

			Pine_16464_20180226		
096	12/5/2017	09:56:59	0	0	0
097	12/5/2017	09:57:59	0	0	0
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099	12/5/2017	09:59:59	0	0	0
100	12/5/2017	10:00:59	0	0	0
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102	12/5/2017	10:02:59	0	0	0
103	12/5/2017	10:03:59	0	0	0
104	12/5/2017	10:04:59	0	0	0
105	12/5/2017	10:05:59	0	0	0
106	12/5/2017	10:06:59	0	0	0
107	12/5/2017	10:07:59	0	0	0
108	12/5/2017	10:08:59	0	0	0
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116	12/5/2017	10:16:59	0	0	0
117	12/5/2017	10:17:59	0	0	0
118	12/5/2017	10:18:59	0	0	0
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121	12/5/2017	10:21:59	0	0	0
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123	12/5/2017	10:23:59	0	0	0
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127	12/5/2017	10:27:59	0	0	0
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142	12/5/2017	10:42:59	0	0	0
143	12/5/2017	10:43:59	0	0	0

			Pine_16464_20180226		
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158	12/5/2017	10:58:59	0	0	0
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161	12/5/2017	11:01:59	0	0	0
162	12/5/2017	11:02:59	0	0	0
163	12/5/2017	11:03:59	0	0	0
164	12/5/2017	11:04:59	0	0	0
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166	12/5/2017	11:06:59	0	0	0
167	12/5/2017	11:07:59	0	0	0
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174	12/5/2017	11:14:59	0	0	0
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176	12/5/2017	11:16:59	0	0	0
177	12/5/2017	11:17:59	0	0	0
178	12/5/2017	11:18:59	0	0	0
179	12/5/2017	11:19:59	0	0	0
180	12/5/2017	11:20:59	0	0	0
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188	12/5/2017	11:28:59	0	0	0
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			Pine_16464_20180226		
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196	12/5/2017	11:36:59	0	0	0
197	12/5/2017	11:37:59	0	0	0
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200	12/5/2017	11:40:59	0	0	0
201	12/5/2017	11:41:59	0	0	0
202	12/5/2017	11:42:59	0	0	0
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204	12/5/2017	11:44:59	0	0	0
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207	12/5/2017	11:47:59	0	0	0
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209	12/5/2017	11:49:59	0	0	0
210	12/5/2017	11:50:59	0	0	0
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222	12/5/2017	12:02:59	0	0	0
223	12/5/2017	12:03:59	0	0	0
224	12/5/2017	12:04:59	0	0	0
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227	12/5/2017	12:07:59	0	0	0
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229	12/5/2017	12:09:59	0	0	0
230	12/5/2017	12:10:59	0	0	0
231	12/5/2017	12:11:59	0	0	0
232	12/5/2017	12:12:59	0	0	0
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235	12/5/2017	12:15:59	0	0	0
236	12/5/2017	12:16:59	0	0	0
237	12/5/2017	12:17:59	0	0	0
238	12/5/2017	12:18:59	0	0	0
239	12/5/2017	12:19:59	0	0	0

			Pine_16464_20180226		
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255	12/5/2017	12:35:59	0	0	0
256	12/5/2017	12:36:59	0	0	0
257	12/5/2017	12:37:59	0	0	0
258	12/5/2017	12:38:59	0	0	0
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262	12/5/2017	12:42:59	0	0	0
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282	12/5/2017	13:02:59	0	0	0
283	12/5/2017	13:03:59	0	0	0
284	12/5/2017	13:04:59	0	0	0
285	12/5/2017	13:05:59	0	0	0
286	12/5/2017	13:06:59	0	0	0
287	12/5/2017	13:07:59	0	0	0

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290	12/5/2017	13:10:59	0	0	0
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295	12/5/2017	13:15:59	0	0	0
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300	12/5/2017	13:20:59	0	0	0
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303	12/5/2017	13:23:59	0	0	0
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308	12/5/2017	13:28:59	0	0	0
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317	12/5/2017	13:37:59	0	0	0
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321	12/5/2017	13:41:59	0	0	0
322	12/5/2017	13:42:59	0	0	0
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324	12/5/2017	13:44:59	0	0	0
325	12/5/2017	13:45:59	0	0	0
326	12/5/2017	13:46:59	0	0	0
327	12/5/2017	13:47:59	0	0	0
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332	12/5/2017	13:52:59	0	0	0
333	12/5/2017	13:53:59	0	0	0
334	12/5/2017	13:54:59	0	0	0
335	12/5/2017	13:55:59	0	0	0

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336	12/5/2017	13:56:59	0	0	0
337	12/5/2017	13:57:59	0	0	0
338	12/5/2017	13:58:59	0	0	0
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340	12/5/2017	14:00:59	0	0	0
341	12/5/2017	14:01:59	0	0	0
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346	12/5/2017	14:06:59	0	0	0
347	12/5/2017	14:07:59	0	0	0
348	12/5/2017	14:08:59	0	0	0
349	12/5/2017	14:09:59	0	0	0
350	12/5/2017	14:10:59	0	0	0
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352	12/5/2017	14:12:59	0	0	0
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357	12/5/2017	14:17:59	0	0	0
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360	12/5/2017	14:20:59	0	0	0
361	12/5/2017	14:21:59	0	0	0
362	12/5/2017	14:22:59	0	0	0
363	12/5/2017	14:23:59	0	0	0
364	12/5/2017	14:24:59	0	0	0
365	12/5/2017	14:25:59	0	0	0
366	12/5/2017	14:26:59	0	0	0
367	12/5/2017	14:27:59	0	0	0
368	12/5/2017	14:28:59	0	0	0
369	12/5/2017	14:29:59	0	0	0
370	12/5/2017	14:30:59	0	0	0
371	12/5/2017	14:31:59	0	0	0
372	12/5/2017	14:32:59	0	0	0
373	12/5/2017	14:33:59	0	0	0
374	12/5/2017	14:34:59	0	0	0
375	12/5/2017	14:35:59	0	0	0
376	12/5/2017	14:36:59	0	0	0
377	12/5/2017	14:37:59	0	0	0
378	12/5/2017	14:38:59	0	0	0
379	12/5/2017	14:39:59	0	0	0
380	12/5/2017	14:40:59	0	0	0
381	12/5/2017	14:41:59	0	0	0
382	12/5/2017	14:42:59	0	0	0
383	12/5/2017	14:43:59	0	0	0

			Pine_16464_20180226		
384	12/5/2017	14:44:59	0	0	0
385	12/5/2017	14:45:59	0	0	0
386	12/5/2017	14:46:59	0	0	0
387	12/5/2017	14:47:59	0	0	0
388	12/5/2017	14:48:59	0	0	0
389	12/5/2017	14:49:59	0	0	0
390	12/5/2017	14:50:59	0	0	0
391	12/5/2017	14:51:59	0	0	0
392	12/5/2017	14:52:59	0	0	0
393	12/5/2017	14:53:59	0	0	0
394	12/5/2017	14:54:59	0	0	0
395	12/5/2017	14:55:59	0	0	0
396	12/5/2017	14:56:59	0	0	0
397	12/5/2017	14:57:59	0	0	0
398	12/5/2017	14:58:59	0	0	0
399	12/5/2017	14:59:59	0	0	0
400	12/5/2017	15:00:59	0	0	0
401	12/5/2017	15:01:59	0	0	0
402	12/5/2017	15:02:59	0	0	0
403	12/5/2017	15:03:59	0	0	0
404	12/5/2017	15:04:59	0	0	0
405	12/5/2017	15:05:59	0	0	0
406	12/5/2017	15:06:59	0	0	0
407	12/5/2017	15:07:59	0	0	0
408	12/5/2017	15:08:59	0	0	0
409	12/5/2017	15:09:59	0	0	0
410	12/5/2017	15:10:59	0	0	0
411	12/5/2017	15:11:59	0	0	0
412	12/5/2017	15:12:59	0	0	0
413	12/5/2017	15:13:59	0	0	0
414	12/5/2017	15:14:59	0	0	0
415	12/5/2017	15:15:59	0	0	0
416	12/5/2017	15:16:59	0	0	0
417	12/5/2017	15:17:59	0	0	0
418	12/5/2017	15:18:59	0	0	0
419	12/5/2017	15:19:59	0	0	0
420	12/5/2017	15:20:59	0	0	0
421	12/5/2017	15:21:59	0	0	0
422	12/5/2017	15:22:59	0	0	0
423	12/5/2017	15:23:59	0	0	0
424	12/5/2017	15:24:59	0	0	0
425	12/5/2017	15:25:59	0	0	0
426	12/5/2017	15:26:59	0	0	0
427	12/5/2017	15:27:59	0	0	0
428	12/5/2017	15:28:59	0	0	0
429	12/5/2017	15:29:59	0	0	0
430	12/5/2017	15:30:59	0	0	0
431	12/5/2017	15:31:59	0	0	0

			Pine_16464_20180226		
432	12/5/2017	15:32:59	0	0	0
433	12/5/2017	15:33:59	0	0	0
434	12/5/2017	15:34:59	0	0	0
435	12/5/2017	15:35:59	0	0	0
436	12/5/2017	15:36:59	0	0	0
437	12/5/2017	15:37:59	0	0	0
438	12/5/2017	15:38:59	0	0	0
439	12/5/2017	15:39:59	0	0	0
440	12/5/2017	15:40:59	0	0	0
441	12/5/2017	15:41:59	0	0	0
442	12/5/2017	15:42:59	0	0	0
443	12/5/2017	15:43:59	0	0	0
444	12/5/2017	15:44:59	0	0	0
445	12/5/2017	15:45:59	0	0	0
446	12/5/2017	15:46:59	0	0	0
447	12/5/2017	15:47:59	0	0	0
448	12/5/2017	15:48:59	0	0	0
449	12/5/2017	15:49:59	0	0	0
450	12/5/2017	15:50:59	0	0	0
451	12/5/2017	15:51:59	0	0	0
452	12/5/2017	15:52:59	0	0	0
453	12/5/2017	15:53:59	0	0	0
454	12/5/2017	15:54:59	0	0	0
455	12/5/2017	15:55:59	0	0	0
456	12/5/2017	15:56:59	0	0	0
457	12/5/2017	15:57:59	0	0	0
458	12/5/2017	15:58:59	0	0	0
459	12/5/2017	15:59:59	0	0	0
460	12/5/2017	16:00:59	0	0	0
461	12/5/2017	16:01:59	0	0	0
462	12/5/2017	16:02:59	0	0	0
463	12/5/2017	16:03:59	0	0	0
464	12/5/2017	16:04:59	0	0	0
465	12/5/2017	16:05:59	0	0	0
466	12/5/2017	16:06:59	0	0	0
467	12/5/2017	16:07:59	0	0	0
468	12/5/2017	16:08:59	0	0	0
469	12/5/2017	16:09:59	0	0	0
470	12/5/2017	16:10:59	0	0	0
471	12/5/2017	16:11:59	0	0	0
472	12/5/2017	16:12:59	0	0	0
473	12/5/2017	16:13:59	0	0	0
474	12/5/2017	16:14:59	0	0	0
475	12/5/2017	16:15:59	0	0	0
476	12/5/2017	16:16:59	0	0	23
Peak	0	0	23		
Min	0	0	0		
Average	0	0	0		

=====

17/12/06 08:15

Summary-----
Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B
-----Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Power Down
-----Site ID 00000056
User ID 00000001
-----Begin 12/6/2017 08:15:35
End 12/6/2017 16:18:03
Sample Period(s) 60
Number of Records 482
-----Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)
001	12/6/2017 08:16:35	0	0	0
002	12/6/2017 08:17:35	0	0	0
003	12/6/2017 08:18:35	0	0	0
004	12/6/2017 08:19:35	0	0	0
005	12/6/2017 08:20:35	0	0	0

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006	12/6/2017 08:21:35	0	0	0
007	12/6/2017 08:22:35	0	0	0
008	12/6/2017 08:23:35	0	0	0
009	12/6/2017 08:24:35	0	0	0
010	12/6/2017 08:25:35	0	0	0
011	12/6/2017 08:26:35	0	0	0
012	12/6/2017 08:27:35	0	0	0
013	12/6/2017 08:28:35	0	0	0
014	12/6/2017 08:29:35	0	0	0
015	12/6/2017 08:30:35	0	0	0
016	12/6/2017 08:31:35	0	0	0
017	12/6/2017 08:32:35	0	0	0
018	12/6/2017 08:33:35	0	0	0
019	12/6/2017 08:34:35	0	0	0
020	12/6/2017 08:35:35	0	0	0
021	12/6/2017 08:36:35	0	0	0
022	12/6/2017 08:37:35	0	0	0
023	12/6/2017 08:38:35	0	0	0
024	12/6/2017 08:39:35	0	0	0
025	12/6/2017 08:40:35	0	0	0
026	12/6/2017 08:41:35	0	0	0
027	12/6/2017 08:42:35	0	0	0
028	12/6/2017 08:43:35	0	0	0
029	12/6/2017 08:44:35	0	0	0
030	12/6/2017 08:45:35	0	0	0
031	12/6/2017 08:46:35	0	0	0
032	12/6/2017 08:47:35	0	0	0
033	12/6/2017 08:48:35	0	0	0
034	12/6/2017 08:49:35	0	0	0
035	12/6/2017 08:50:35	0	0	0
036	12/6/2017 08:51:35	0	0	0
037	12/6/2017 08:52:35	0	0	0
038	12/6/2017 08:53:35	0	0	0
039	12/6/2017 08:54:35	0	0	0
040	12/6/2017 08:55:35	0	0	0
041	12/6/2017 08:56:35	0	0	0
042	12/6/2017 08:57:35	0	0	0
043	12/6/2017 08:58:35	0	0	0
044	12/6/2017 08:59:35	0	0	0
045	12/6/2017 09:00:35	0	0	0
046	12/6/2017 09:01:35	0	0	0
047	12/6/2017 09:02:35	0	0	0
048	12/6/2017 09:03:35	0	0	0
049	12/6/2017 09:04:35	0	0	0
050	12/6/2017 09:05:35	0	0	0
051	12/6/2017 09:06:35	0	0	0
052	12/6/2017 09:07:35	0	0	0
053	12/6/2017 09:08:35	0	0	0

			Pine_16464_20180226		
054	12/6/2017	09:09:35	0	0	0
055	12/6/2017	09:10:35	0	0	0
056	12/6/2017	09:11:35	0	0	0
057	12/6/2017	09:12:35	0	0	0
058	12/6/2017	09:13:35	0	0	0
059	12/6/2017	09:14:35	0	0	0
060	12/6/2017	09:15:35	0	0	0
061	12/6/2017	09:16:35	0	0	0
062	12/6/2017	09:17:35	0	0	0
063	12/6/2017	09:18:35	0	0	0
064	12/6/2017	09:19:35	0	0	0
065	12/6/2017	09:20:35	0	0	0
066	12/6/2017	09:21:35	0	0	0
067	12/6/2017	09:22:35	0	0	0
068	12/6/2017	09:23:35	0	0	0
069	12/6/2017	09:24:35	0	0	0
070	12/6/2017	09:25:35	0	0	0
071	12/6/2017	09:26:35	0	0	0
072	12/6/2017	09:27:35	0	0	0
073	12/6/2017	09:28:35	0	0	0
074	12/6/2017	09:29:35	0	0	0
075	12/6/2017	09:30:35	0	0	0
076	12/6/2017	09:31:35	0	0	0
077	12/6/2017	09:32:35	0	0	0
078	12/6/2017	09:33:35	0	0	0
079	12/6/2017	09:34:35	0	0	0
080	12/6/2017	09:35:35	0	0	0
081	12/6/2017	09:36:35	0	0	0
082	12/6/2017	09:37:35	0	0	0
083	12/6/2017	09:38:35	0	0	0
084	12/6/2017	09:39:35	0	0	0
085	12/6/2017	09:40:35	0	0	0
086	12/6/2017	09:41:35	0	0	0
087	12/6/2017	09:42:35	0	0	0
088	12/6/2017	09:43:35	0	0	0
089	12/6/2017	09:44:35	0	0	0
090	12/6/2017	09:45:35	0	0	0
091	12/6/2017	09:46:35	0	0	0
092	12/6/2017	09:47:35	0	0	0
093	12/6/2017	09:48:35	0	0	0
094	12/6/2017	09:49:35	0	0	0
095	12/6/2017	09:50:35	0	0	0
096	12/6/2017	09:51:35	0	0	0
097	12/6/2017	09:52:35	0	0	0
098	12/6/2017	09:53:35	0	0	0
099	12/6/2017	09:54:35	0	0	0
100	12/6/2017	09:55:35	0	0	0
101	12/6/2017	09:56:35	0	0	0

			Pine_16464_20180226		
102	12/6/2017	09:57:35	0	0	0
103	12/6/2017	09:58:35	0	0	0
104	12/6/2017	09:59:35	0	0	0
105	12/6/2017	10:00:35	0	0	0
106	12/6/2017	10:01:35	0	0	0
107	12/6/2017	10:02:35	0	0	0
108	12/6/2017	10:03:35	0	0	0
109	12/6/2017	10:04:35	0	0	0
110	12/6/2017	10:05:35	0	0	0
111	12/6/2017	10:06:35	0	0	0
112	12/6/2017	10:07:35	0	0	0
113	12/6/2017	10:08:35	0	0	0
114	12/6/2017	10:09:35	0	0	0
115	12/6/2017	10:10:35	0	0	0
116	12/6/2017	10:11:35	0	0	0
117	12/6/2017	10:12:35	0	0	0
118	12/6/2017	10:13:35	0	0	0
119	12/6/2017	10:14:35	0	0	0
120	12/6/2017	10:15:35	0	0	0
121	12/6/2017	10:16:35	0	0	0
122	12/6/2017	10:17:35	0	0	0
123	12/6/2017	10:18:35	0	0	0
124	12/6/2017	10:19:35	0	0	0
125	12/6/2017	10:20:35	0	0	0
126	12/6/2017	10:21:35	0	0	0
127	12/6/2017	10:22:35	0	0	0
128	12/6/2017	10:23:35	0	0	0
129	12/6/2017	10:24:35	0	0	0
130	12/6/2017	10:25:35	0	0	0
131	12/6/2017	10:26:35	0	0	0
132	12/6/2017	10:27:35	0	0	0
133	12/6/2017	10:28:35	0	0	0
134	12/6/2017	10:29:35	0	0	0
135	12/6/2017	10:30:35	0	0	0
136	12/6/2017	10:31:35	0	0	0
137	12/6/2017	10:32:35	0	0	0
138	12/6/2017	10:33:35	0	0	0
139	12/6/2017	10:34:35	0	0	0
140	12/6/2017	10:35:35	0	0	0
141	12/6/2017	10:36:35	0	0	0
142	12/6/2017	10:37:35	0	0	0
143	12/6/2017	10:38:35	0	0	0
144	12/6/2017	10:39:35	0	0	0
145	12/6/2017	10:40:35	0	0	0
146	12/6/2017	10:41:35	0	0	0
147	12/6/2017	10:42:35	0	0	0
148	12/6/2017	10:43:35	0	0	0
149	12/6/2017	10:44:35	0	0	0

			Pine_16464_20180226		
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151	12/6/2017	10:46:35	0	0	0
152	12/6/2017	10:47:35	0	0	0
153	12/6/2017	10:48:35	0	0	0
154	12/6/2017	10:49:35	0	0	0
155	12/6/2017	10:50:35	0	0	0
156	12/6/2017	10:51:35	0	0	0
157	12/6/2017	10:52:35	0	0	0
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159	12/6/2017	10:54:35	0	0	0
160	12/6/2017	10:55:35	0	0	0
161	12/6/2017	10:56:35	0	0	0
162	12/6/2017	10:57:35	0	0	0
163	12/6/2017	10:58:35	0	0	0
164	12/6/2017	10:59:35	0	0	0
165	12/6/2017	11:00:35	0	0	0
166	12/6/2017	11:01:35	0	0	0
167	12/6/2017	11:02:35	0	0	0
168	12/6/2017	11:03:35	0	0	0
169	12/6/2017	11:04:35	0	0	0
170	12/6/2017	11:05:35	0	0	0
171	12/6/2017	11:06:35	0	0	0
172	12/6/2017	11:07:35	0	0	0
173	12/6/2017	11:08:35	0	0	0
174	12/6/2017	11:09:35	0	0	0
175	12/6/2017	11:10:35	0	0	0
176	12/6/2017	11:11:35	0	0	0
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178	12/6/2017	11:13:35	0	0	0
179	12/6/2017	11:14:35	0	0	0
180	12/6/2017	11:15:35	0	0	0
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182	12/6/2017	11:17:35	0	0	0
183	12/6/2017	11:18:35	0	0	0
184	12/6/2017	11:19:35	0	0	0
185	12/6/2017	11:20:35	0	0	0
186	12/6/2017	11:21:35	0	0	0
187	12/6/2017	11:22:35	0	0	0
188	12/6/2017	11:23:35	0	0	0
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191	12/6/2017	11:26:35	0	0	0
192	12/6/2017	11:27:35	0	0	0
193	12/6/2017	11:28:35	0	0	0
194	12/6/2017	11:29:35	0	0	0
195	12/6/2017	11:30:35	0	0	0
196	12/6/2017	11:31:35	0	0	0
197	12/6/2017	11:32:35	0	0	0

			Pine_16464_20180226		
198	12/6/2017	11:33:35	0	0	0
199	12/6/2017	11:34:35	0	0	0
200	12/6/2017	11:35:35	0	0	0
201	12/6/2017	11:36:35	0	0	0
202	12/6/2017	11:37:35	0	0	0
203	12/6/2017	11:38:35	0	0	0
204	12/6/2017	11:39:35	0	0	0
205	12/6/2017	11:40:35	0	0	0
206	12/6/2017	11:41:35	0	0	0
207	12/6/2017	11:42:35	0	0	0
208	12/6/2017	11:43:35	0	0	0
209	12/6/2017	11:44:35	0	0	0
210	12/6/2017	11:45:35	0	0	0
211	12/6/2017	11:46:35	0	0	0
212	12/6/2017	11:47:35	0	0	0
213	12/6/2017	11:48:35	0	0	0
214	12/6/2017	11:49:35	0	0	0
215	12/6/2017	11:50:35	0	0	0
216	12/6/2017	11:51:35	0	0	0
217	12/6/2017	11:52:35	0	0	0
218	12/6/2017	11:53:35	0	0	0
219	12/6/2017	11:54:35	0	0	0
220	12/6/2017	11:55:35	0	0	0
221	12/6/2017	11:56:35	0	0	0
222	12/6/2017	11:57:35	0	0	0
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224	12/6/2017	11:59:35	0	0	0
225	12/6/2017	12:00:35	0	0	0
226	12/6/2017	12:01:35	0	0	0
227	12/6/2017	12:02:35	0	0	0
228	12/6/2017	12:03:35	0	0	0
229	12/6/2017	12:04:35	0	0	0
230	12/6/2017	12:05:35	0	0	0
231	12/6/2017	12:06:35	0	0	0
232	12/6/2017	12:07:35	0	0	0
233	12/6/2017	12:08:35	0	0	0
234	12/6/2017	12:09:35	0	0	0
235	12/6/2017	12:10:35	0	0	0
236	12/6/2017	12:11:35	0	0	0
237	12/6/2017	12:12:35	0	0	0
238	12/6/2017	12:13:35	0	0	0
239	12/6/2017	12:14:35	0	0	0
240	12/6/2017	12:15:35	0	0	0
241	12/6/2017	12:16:35	0	0	0
242	12/6/2017	12:17:35	0	0	0
243	12/6/2017	12:18:35	0	0	0
244	12/6/2017	12:19:35	0	0	0
245	12/6/2017	12:20:35	0	0	0

			Pine_16464_20180226		
246	12/6/2017	12:21:35	0	0	0
247	12/6/2017	12:22:35	0	0	0
248	12/6/2017	12:23:35	0	0	0
249	12/6/2017	12:24:35	0	0	0
250	12/6/2017	12:25:35	0	0	0
251	12/6/2017	12:26:35	0	0	0
252	12/6/2017	12:27:35	0	0	0
253	12/6/2017	12:28:35	0	0	0
254	12/6/2017	12:29:35	0	0	0
255	12/6/2017	12:30:35	0	0	0
256	12/6/2017	12:31:35	0	0	0
257	12/6/2017	12:32:35	0	0	0
258	12/6/2017	12:33:35	0	0	0
259	12/6/2017	12:34:35	0	0	0
260	12/6/2017	12:35:35	0	0	0
261	12/6/2017	12:36:35	0	0	0
262	12/6/2017	12:37:35	0	0	0
263	12/6/2017	12:38:35	0	0	0
264	12/6/2017	12:39:35	0	0	0
265	12/6/2017	12:40:35	0	0	0
266	12/6/2017	12:41:35	0	0	0
267	12/6/2017	12:42:35	0	0	0
268	12/6/2017	12:43:35	0	0	0
269	12/6/2017	12:44:35	0	0	0
270	12/6/2017	12:45:35	0	0	0
271	12/6/2017	12:46:35	0	0	0
272	12/6/2017	12:47:35	0	0	0
273	12/6/2017	12:48:35	0	0	0
274	12/6/2017	12:49:35	0	0	0
275	12/6/2017	12:50:35	0	0	0
276	12/6/2017	12:51:35	0	0	0
277	12/6/2017	12:52:35	0	0	0
278	12/6/2017	12:53:35	0	0	0
279	12/6/2017	12:54:35	0	0	0
280	12/6/2017	12:55:35	0	0	0
281	12/6/2017	12:56:35	0	0	0
282	12/6/2017	12:57:35	0	0	0
283	12/6/2017	12:58:35	0	0	0
284	12/6/2017	12:59:35	0	0	0
285	12/6/2017	13:00:35	0	0	0
286	12/6/2017	13:01:35	0	0	0
287	12/6/2017	13:02:35	0	0	0
288	12/6/2017	13:03:35	0	0	0
289	12/6/2017	13:04:35	0	0	0
290	12/6/2017	13:05:35	0	0	0
291	12/6/2017	13:06:35	0	0	0
292	12/6/2017	13:07:35	0	0	0
293	12/6/2017	13:08:35	0	0	0

			Pine_16464_20180226		
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295	12/6/2017	13:10:35	0	0	0
296	12/6/2017	13:11:35	0	0	0
297	12/6/2017	13:12:35	0	0	0
298	12/6/2017	13:13:35	0	0	0
299	12/6/2017	13:14:35	0	0	0
300	12/6/2017	13:15:35	0	0	2
301	12/6/2017	13:16:35	0	0	0
302	12/6/2017	13:17:35	0	0	0
303	12/6/2017	13:18:35	0	0	0
304	12/6/2017	13:19:35	0	0	0
305	12/6/2017	13:20:35	0	0	0
306	12/6/2017	13:21:35	0	0	0
307	12/6/2017	13:22:35	0	0	0
308	12/6/2017	13:23:35	0	0	0
309	12/6/2017	13:24:35	0	0	0
310	12/6/2017	13:25:35	0	0	0
311	12/6/2017	13:26:35	0	0	0
312	12/6/2017	13:27:35	0	0	0
313	12/6/2017	13:28:35	0	0	0
314	12/6/2017	13:29:35	0	0	0
315	12/6/2017	13:30:35	0	0	0
316	12/6/2017	13:31:35	0	0	0
317	12/6/2017	13:32:35	0	0	0
318	12/6/2017	13:33:35	0	0	0
319	12/6/2017	13:34:35	0	0	0
320	12/6/2017	13:35:35	0	0	0
321	12/6/2017	13:36:35	0	0	0
322	12/6/2017	13:37:35	0	0	0
323	12/6/2017	13:38:35	0	0	0
324	12/6/2017	13:39:35	0	0	0
325	12/6/2017	13:40:35	0	0	0
326	12/6/2017	13:41:35	0	0	0
327	12/6/2017	13:42:35	0	0	0
328	12/6/2017	13:43:35	0	0	0
329	12/6/2017	13:44:35	0	0	0
330	12/6/2017	13:45:35	0	0	0
331	12/6/2017	13:46:35	0	0	0
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333	12/6/2017	13:48:35	0	0	0
334	12/6/2017	13:49:35	0	0	0
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336	12/6/2017	13:51:35	0	0	0
337	12/6/2017	13:52:35	0	0	0
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341	12/6/2017	13:56:35	0	0	0

			Pine_16464_20180226		
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344	12/6/2017	13:59:35	0	0	0
345	12/6/2017	14:00:35	0	0	0
346	12/6/2017	14:01:35	0	0	0
347	12/6/2017	14:02:35	0	0	0
348	12/6/2017	14:03:35	0	0	0
349	12/6/2017	14:04:35	0	0	0
350	12/6/2017	14:05:35	0	0	0
351	12/6/2017	14:06:35	0	0	0
352	12/6/2017	14:07:35	0	0	0
353	12/6/2017	14:08:35	0	0	0
354	12/6/2017	14:09:35	0	0	0
355	12/6/2017	14:10:35	0	0	0
356	12/6/2017	14:11:35	0	0	0
357	12/6/2017	14:12:35	0	0	0
358	12/6/2017	14:13:35	0	0	0
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360	12/6/2017	14:15:35	0	0	0
361	12/6/2017	14:16:35	0	0	0
362	12/6/2017	14:17:35	0	0	0
363	12/6/2017	14:18:35	0	0	0
364	12/6/2017	14:19:35	0	0	0
365	12/6/2017	14:20:35	0	0	0
366	12/6/2017	14:21:35	0	0	0
367	12/6/2017	14:22:35	0	0	0
368	12/6/2017	14:23:35	0	0	0
369	12/6/2017	14:24:35	0	0	0
370	12/6/2017	14:25:35	0	0	0
371	12/6/2017	14:26:35	0	0	0
372	12/6/2017	14:27:35	0	0	0
373	12/6/2017	14:28:35	0	0	0
374	12/6/2017	14:29:35	0	0	0
375	12/6/2017	14:30:35	0	0	0
376	12/6/2017	14:31:35	0	0	0
377	12/6/2017	14:32:35	0	0	0
378	12/6/2017	14:33:35	0	0	0
379	12/6/2017	14:34:35	0	0	0
380	12/6/2017	14:35:35	0	0	0
381	12/6/2017	14:36:35	0	0	0
382	12/6/2017	14:37:35	0	0	0
383	12/6/2017	14:38:35	0	0	0
384	12/6/2017	14:39:35	0	0	0
385	12/6/2017	14:40:35	0	0	0
386	12/6/2017	14:41:35	0	0	0
387	12/6/2017	14:42:35	0	0	0
388	12/6/2017	14:43:35	0	0	0
389	12/6/2017	14:44:35	0	0	0

			Pine_16464_20180226		
390	12/6/2017	14:45:35	0	0	0
391	12/6/2017	14:46:35	0	0	0
392	12/6/2017	14:47:35	0	0	0
393	12/6/2017	14:48:35	0	0	0
394	12/6/2017	14:49:35	0	0	0
395	12/6/2017	14:50:35	0	0	0
396	12/6/2017	14:51:35	0	0	0
397	12/6/2017	14:52:35	0	0	0
398	12/6/2017	14:53:35	0	0	0
399	12/6/2017	14:54:35	0	0	0
400	12/6/2017	14:55:35	0	0	0
401	12/6/2017	14:56:35	0	0	0
402	12/6/2017	14:57:35	0	0	0
403	12/6/2017	14:58:35	0	0	0
404	12/6/2017	14:59:35	0	0	0
405	12/6/2017	15:00:35	0	0	0
406	12/6/2017	15:01:35	0	0	0
407	12/6/2017	15:02:35	0	0	0
408	12/6/2017	15:03:35	0	0	0
409	12/6/2017	15:04:35	0	0	0
410	12/6/2017	15:05:35	0	0	0
411	12/6/2017	15:06:35	0	0	0
412	12/6/2017	15:07:35	0	0	0
413	12/6/2017	15:08:35	0	0	0
414	12/6/2017	15:09:35	0	0	0
415	12/6/2017	15:10:35	0	0	0
416	12/6/2017	15:11:35	0	0	0
417	12/6/2017	15:12:35	0	0	0
418	12/6/2017	15:13:35	0	0	0
419	12/6/2017	15:14:35	0	0	0
420	12/6/2017	15:15:35	0	0	0
421	12/6/2017	15:16:35	0	0	0
422	12/6/2017	15:17:35	0	0	0
423	12/6/2017	15:18:35	0	0	0
424	12/6/2017	15:19:35	0	0	0
425	12/6/2017	15:20:35	0	0	0
426	12/6/2017	15:21:35	0	0	0
427	12/6/2017	15:22:35	0	0	0
428	12/6/2017	15:23:35	0	0	0
429	12/6/2017	15:24:35	0	0	0
430	12/6/2017	15:25:35	0	0	0
431	12/6/2017	15:26:35	0	0	0
432	12/6/2017	15:27:35	0	0	0
433	12/6/2017	15:28:35	0	0	0
434	12/6/2017	15:29:35	0	0	0
435	12/6/2017	15:30:35	0	0	0
436	12/6/2017	15:31:35	0	0	0
437	12/6/2017	15:32:35	0	0	0

			Pine_16464_20180226		
438	12/6/2017	15:33:35	0	0	0
439	12/6/2017	15:34:35	0	0	0
440	12/6/2017	15:35:35	0	0	0
441	12/6/2017	15:36:35	0	0	0
442	12/6/2017	15:37:35	0	0	0
443	12/6/2017	15:38:35	0	0	0
444	12/6/2017	15:39:35	0	0	0
445	12/6/2017	15:40:35	0	0	0
446	12/6/2017	15:41:35	0	0	0
447	12/6/2017	15:42:35	0	0	0
448	12/6/2017	15:43:35	0	0	0
449	12/6/2017	15:44:35	0	0	0
450	12/6/2017	15:45:35	0	0	0
451	12/6/2017	15:46:35	0	0	0
452	12/6/2017	15:47:35	0	0	0
453	12/6/2017	15:48:35	0	0	0
454	12/6/2017	15:49:35	0	0	0
455	12/6/2017	15:50:35	0	0	0
456	12/6/2017	15:51:35	0	0	0
457	12/6/2017	15:52:35	0	0	0
458	12/6/2017	15:53:35	0	0	0
459	12/6/2017	15:54:35	0	0	0
460	12/6/2017	15:55:35	0	0	0
461	12/6/2017	15:56:35	0	0	0
462	12/6/2017	15:57:35	0	0	0
463	12/6/2017	15:58:35	0	0	0
464	12/6/2017	15:59:35	0	0	0
465	12/6/2017	16:00:35	0	0	0
466	12/6/2017	16:01:35	0	0	0
467	12/6/2017	16:02:35	0	0	0
468	12/6/2017	16:03:35	0	0	0
469	12/6/2017	16:04:35	0	0	0
470	12/6/2017	16:05:35	0	0	0
471	12/6/2017	16:06:35	0	0	0
472	12/6/2017	16:07:35	0	0	0
473	12/6/2017	16:08:35	0	0	0
474	12/6/2017	16:09:35	0	0	0
475	12/6/2017	16:10:35	0	0	0
476	12/6/2017	16:11:35	0	0	0
477	12/6/2017	16:12:35	0	0	0
478	12/6/2017	16:13:35	0	0	0
479	12/6/2017	16:14:35	0	0	0
480	12/6/2017	16:15:35	0	0	0
481	12/6/2017	16:16:35	0	0	0
482	12/6/2017	16:17:35	0	94	244
Peak	0	94	244		
Min	0	0	0		
Average	0	0	1		

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17/12/07 08:23

Summary-----
Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B
-----Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Power Down
-----Site ID 00000056
User ID 00000001
-----Begin 12/7/2017 08:23:58
End 12/7/2017 15:34:36
Sample Period(s) 60
Number of Records 430
-----Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)
001	12/7/2017 08:24:58	0	0	0
002	12/7/2017 08:25:58	0	0	0
003	12/7/2017 08:26:58	0	0	0
004	12/7/2017 08:27:58	0	0	0
005	12/7/2017 08:28:58	0	0	0

			Pine_16464_20180226		
006	12/7/2017	08:29:58	0	0	0
007	12/7/2017	08:30:58	0	0	0
008	12/7/2017	08:31:58	0	0	0
009	12/7/2017	08:32:58	0	0	0
010	12/7/2017	08:33:58	0	0	0
011	12/7/2017	08:34:58	0	0	0
012	12/7/2017	08:35:58	0	0	0
013	12/7/2017	08:36:58	0	0	0
014	12/7/2017	08:37:58	0	0	0
015	12/7/2017	08:38:58	0	0	0
016	12/7/2017	08:39:58	0	0	0
017	12/7/2017	08:40:58	0	0	0
018	12/7/2017	08:41:58	0	0	0
019	12/7/2017	08:42:58	0	0	0
020	12/7/2017	08:43:58	0	0	0
021	12/7/2017	08:44:58	0	0	0
022	12/7/2017	08:45:58	0	0	0
023	12/7/2017	08:46:58	0	0	0
024	12/7/2017	08:47:58	0	0	0
025	12/7/2017	08:48:58	0	0	0
026	12/7/2017	08:49:58	0	0	0
027	12/7/2017	08:50:58	0	0	0
028	12/7/2017	08:51:58	0	0	0
029	12/7/2017	08:52:58	0	0	0
030	12/7/2017	08:53:58	0	0	0
031	12/7/2017	08:54:58	0	0	0
032	12/7/2017	08:55:58	0	0	0
033	12/7/2017	08:56:58	0	0	0
034	12/7/2017	08:57:58	0	0	0
035	12/7/2017	08:58:58	0	0	0
036	12/7/2017	08:59:58	0	0	0
037	12/7/2017	09:00:58	0	0	0
038	12/7/2017	09:01:58	0	0	0
039	12/7/2017	09:02:58	0	0	0
040	12/7/2017	09:03:58	0	0	0
041	12/7/2017	09:04:58	0	0	0
042	12/7/2017	09:05:58	0	0	0
043	12/7/2017	09:06:58	0	0	0
044	12/7/2017	09:07:58	0	0	0
045	12/7/2017	09:08:58	0	0	0
046	12/7/2017	09:09:58	0	0	0
047	12/7/2017	09:10:58	0	0	0
048	12/7/2017	09:11:58	0	0	0
049	12/7/2017	09:12:58	0	0	0
050	12/7/2017	09:13:58	0	0	0
051	12/7/2017	09:14:58	0	0	0
052	12/7/2017	09:15:58	0	0	0
053	12/7/2017	09:16:58	0	0	0

			Pine_16464_20180226		
054	12/7/2017	09:17:58	0	0	0
055	12/7/2017	09:18:58	0	0	0
056	12/7/2017	09:19:58	0	0	0
057	12/7/2017	09:20:58	0	0	0
058	12/7/2017	09:21:58	0	0	0
059	12/7/2017	09:22:58	0	0	0
060	12/7/2017	09:23:58	0	0	0
061	12/7/2017	09:24:58	0	0	0
062	12/7/2017	09:25:58	0	0	0
063	12/7/2017	09:26:58	0	0	0
064	12/7/2017	09:27:58	0	0	0
065	12/7/2017	09:28:58	0	0	0
066	12/7/2017	09:29:58	0	0	0
067	12/7/2017	09:30:58	0	0	0
068	12/7/2017	09:31:58	0	0	0
069	12/7/2017	09:32:58	0	0	0
070	12/7/2017	09:33:58	0	0	0
071	12/7/2017	09:34:58	0	0	0
072	12/7/2017	09:35:58	0	0	0
073	12/7/2017	09:36:58	0	0	0
074	12/7/2017	09:37:58	0	0	0
075	12/7/2017	09:38:58	0	0	0
076	12/7/2017	09:39:58	0	0	0
077	12/7/2017	09:40:58	0	0	0
078	12/7/2017	09:41:58	0	0	0
079	12/7/2017	09:42:58	0	0	0
080	12/7/2017	09:43:58	0	0	0
081	12/7/2017	09:44:58	0	0	0
082	12/7/2017	09:45:58	0	0	0
083	12/7/2017	09:46:58	0	0	0
084	12/7/2017	09:47:58	0	0	0
085	12/7/2017	09:48:58	0	0	0
086	12/7/2017	09:49:58	0	0	0
087	12/7/2017	09:50:58	0	0	0
088	12/7/2017	09:51:58	0	0	0
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092	12/7/2017	09:55:58	0	0	0
093	12/7/2017	09:56:58	0	0	0
094	12/7/2017	09:57:58	0	0	0
095	12/7/2017	09:58:58	0	0	0
096	12/7/2017	09:59:58	0	0	0
097	12/7/2017	10:00:58	0	0	0
098	12/7/2017	10:01:58	0	0	0
099	12/7/2017	10:02:58	0	0	0
100	12/7/2017	10:03:58	0	0	0
101	12/7/2017	10:04:58	0	0	0

			Pine_16464_20180226		
102	12/7/2017	10:05:58	0	0	0
103	12/7/2017	10:06:58	0	0	0
104	12/7/2017	10:07:58	0	0	0
105	12/7/2017	10:08:58	0	0	0
106	12/7/2017	10:09:58	0	0	0
107	12/7/2017	10:10:58	0	0	0
108	12/7/2017	10:11:58	0	0	0
109	12/7/2017	10:12:58	0	0	0
110	12/7/2017	10:13:58	0	0	0
111	12/7/2017	10:14:58	0	0	0
112	12/7/2017	10:15:58	0	0	0
113	12/7/2017	10:16:58	0	0	0
114	12/7/2017	10:17:58	0	0	0
115	12/7/2017	10:18:58	0	0	0
116	12/7/2017	10:19:58	0	0	0
117	12/7/2017	10:20:58	0	0	0
118	12/7/2017	10:21:58	0	0	0
119	12/7/2017	10:22:58	0	0	0
120	12/7/2017	10:23:58	0	0	0
121	12/7/2017	10:24:58	0	0	0
122	12/7/2017	10:25:58	0	0	0
123	12/7/2017	10:26:58	0	0	0
124	12/7/2017	10:27:58	0	0	0
125	12/7/2017	10:28:58	0	0	0
126	12/7/2017	10:29:58	0	0	0
127	12/7/2017	10:30:58	0	0	0
128	12/7/2017	10:31:58	0	0	0
129	12/7/2017	10:32:58	0	0	0
130	12/7/2017	10:33:58	0	0	0
131	12/7/2017	10:34:58	0	0	0
132	12/7/2017	10:35:58	0	0	0
133	12/7/2017	10:36:58	0	0	0
134	12/7/2017	10:37:58	0	0	0
135	12/7/2017	10:38:58	0	0	0
136	12/7/2017	10:39:58	0	0	0
137	12/7/2017	10:40:58	0	0	0
138	12/7/2017	10:41:58	0	0	0
139	12/7/2017	10:42:58	0	0	0
140	12/7/2017	10:43:58	0	0	0
141	12/7/2017	10:44:58	0	0	0
142	12/7/2017	10:45:58	0	0	0
143	12/7/2017	10:46:58	0	0	0
144	12/7/2017	10:47:58	0	0	0
145	12/7/2017	10:48:58	0	0	0
146	12/7/2017	10:49:58	0	0	0
147	12/7/2017	10:50:58	0	0	0
148	12/7/2017	10:51:58	0	0	0
149	12/7/2017	10:52:58	0	0	0

			Pine_16464_20180226		
150	12/7/2017	10:53:58	0	0	0
151	12/7/2017	10:54:58	0	0	0
152	12/7/2017	10:55:58	0	0	0
153	12/7/2017	10:56:58	0	0	0
154	12/7/2017	10:57:58	0	0	0
155	12/7/2017	10:58:58	0	0	0
156	12/7/2017	10:59:58	0	0	0
157	12/7/2017	11:00:58	0	0	0
158	12/7/2017	11:01:58	0	0	0
159	12/7/2017	11:02:58	0	0	0
160	12/7/2017	11:03:58	0	0	0
161	12/7/2017	11:04:58	0	0	0
162	12/7/2017	11:05:58	0	0	0
163	12/7/2017	11:06:58	0	0	0
164	12/7/2017	11:07:58	0	0	0
165	12/7/2017	11:08:58	0	0	0
166	12/7/2017	11:09:58	0	0	0
167	12/7/2017	11:10:58	0	0	0
168	12/7/2017	11:11:58	0	0	0
169	12/7/2017	11:12:58	0	0	0
170	12/7/2017	11:13:58	0	0	0
171	12/7/2017	11:14:58	0	0	0
172	12/7/2017	11:15:58	0	0	0
173	12/7/2017	11:16:58	0	30	429
174	12/7/2017	11:17:58	0	318	1261
175	12/7/2017	11:18:58	0	37	234
176	12/7/2017	11:19:58	0	17	189
177	12/7/2017	11:20:58	0	0	0
178	12/7/2017	11:21:58	0	0	0
179	12/7/2017	11:22:58	0	0	0
180	12/7/2017	11:23:58	0	0	0
181	12/7/2017	11:24:58	0	0	11
182	12/7/2017	11:25:58	0	0	0
183	12/7/2017	11:26:58	0	0	0
184	12/7/2017	11:27:58	0	0	0
185	12/7/2017	11:28:58	0	0	0
186	12/7/2017	11:29:58	0	0	0
187	12/7/2017	11:30:58	0	0	0
188	12/7/2017	11:31:58	0	0	0
189	12/7/2017	11:32:58	0	0	0
190	12/7/2017	11:33:58	0	0	0
191	12/7/2017	11:34:58	0	0	0
192	12/7/2017	11:35:58	0	0	0
193	12/7/2017	11:36:58	0	0	0
194	12/7/2017	11:37:58	0	0	0
195	12/7/2017	11:38:58	0	0	0
196	12/7/2017	11:39:58	0	0	0
197	12/7/2017	11:40:58	0	0	0

			Pine_16464_20180226		
198	12/7/2017	11:41:58	0	0	0
199	12/7/2017	11:42:58	0	0	0
200	12/7/2017	11:43:58	0	0	0
201	12/7/2017	11:44:58	0	0	0
202	12/7/2017	11:45:58	0	0	0
203	12/7/2017	11:46:58	0	0	0
204	12/7/2017	11:47:58	0	0	0
205	12/7/2017	11:48:58	0	0	0
206	12/7/2017	11:49:58	0	0	0
207	12/7/2017	11:50:58	0	0	0
208	12/7/2017	11:51:58	0	0	0
209	12/7/2017	11:52:58	0	0	0
210	12/7/2017	11:53:58	0	0	0
211	12/7/2017	11:54:58	0	0	0
212	12/7/2017	11:55:58	0	0	0
213	12/7/2017	11:56:58	0	0	0
214	12/7/2017	11:57:58	0	0	0
215	12/7/2017	11:58:58	0	0	0
216	12/7/2017	11:59:58	0	0	0
217	12/7/2017	12:00:58	0	0	0
218	12/7/2017	12:01:58	0	0	0
219	12/7/2017	12:02:58	0	0	0
220	12/7/2017	12:03:58	0	0	0
221	12/7/2017	12:04:58	0	0	0
222	12/7/2017	12:05:58	0	0	12
223	12/7/2017	12:06:58	0	0	0
224	12/7/2017	12:07:58	0	0	0
225	12/7/2017	12:08:58	0	0	0
226	12/7/2017	12:09:58	0	0	0
227	12/7/2017	12:10:58	0	0	0
228	12/7/2017	12:11:58	0	0	0
229	12/7/2017	12:12:58	0	0	0
230	12/7/2017	12:13:58	0	0	0
231	12/7/2017	12:14:58	0	0	0
232	12/7/2017	12:15:58	0	0	0
233	12/7/2017	12:16:58	0	0	0
234	12/7/2017	12:17:58	0	0	0
235	12/7/2017	12:18:58	0	0	0
236	12/7/2017	12:19:58	0	0	0
237	12/7/2017	12:20:58	0	0	0
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239	12/7/2017	12:22:58	0	0	0
240	12/7/2017	12:23:58	0	0	0
241	12/7/2017	12:24:58	0	0	0
242	12/7/2017	12:25:58	0	0	0
243	12/7/2017	12:26:58	0	0	0
244	12/7/2017	12:27:58	0	0	0
245	12/7/2017	12:28:58	0	0	0

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246	12/7/2017	12:29:58	0	0	0
247	12/7/2017	12:30:58	0	0	0
248	12/7/2017	12:31:58	0	0	0
249	12/7/2017	12:32:58	0	0	0
250	12/7/2017	12:33:58	0	0	0
251	12/7/2017	12:34:58	0	0	0
252	12/7/2017	12:35:58	0	0	0
253	12/7/2017	12:36:58	0	0	0
254	12/7/2017	12:37:58	0	0	0
255	12/7/2017	12:38:58	0	0	0
256	12/7/2017	12:39:58	0	0	0
257	12/7/2017	12:40:58	0	0	0
258	12/7/2017	12:41:58	0	0	0
259	12/7/2017	12:42:58	0	0	0
260	12/7/2017	12:43:58	0	0	0
261	12/7/2017	12:44:58	0	0	0
262	12/7/2017	12:45:58	0	0	0
263	12/7/2017	12:46:58	0	0	0
264	12/7/2017	12:47:58	0	0	0
265	12/7/2017	12:48:58	0	0	0
266	12/7/2017	12:49:58	0	0	0
267	12/7/2017	12:50:58	0	0	0
268	12/7/2017	12:51:58	0	0	0
269	12/7/2017	12:52:58	0	0	0
270	12/7/2017	12:53:58	0	0	0
271	12/7/2017	12:54:58	0	0	0
272	12/7/2017	12:55:58	0	0	0
273	12/7/2017	12:56:58	0	0	0
274	12/7/2017	12:57:58	0	0	0
275	12/7/2017	12:58:58	0	0	0
276	12/7/2017	12:59:58	0	0	0
277	12/7/2017	13:00:58	0	0	0
278	12/7/2017	13:01:58	0	0	0
279	12/7/2017	13:02:58	0	0	0
280	12/7/2017	13:03:58	0	0	0
281	12/7/2017	13:04:58	0	0	0
282	12/7/2017	13:05:58	0	0	0
283	12/7/2017	13:06:58	0	0	0
284	12/7/2017	13:07:58	0	0	0
285	12/7/2017	13:08:58	0	0	0
286	12/7/2017	13:09:58	0	0	0
287	12/7/2017	13:10:58	0	0	0
288	12/7/2017	13:11:58	0	0	0
289	12/7/2017	13:12:58	0	0	0
290	12/7/2017	13:13:58	0	0	0
291	12/7/2017	13:14:58	0	0	0
292	12/7/2017	13:15:58	0	0	0
293	12/7/2017	13:16:58	0	0	0

			Pine_16464_20180226		
294	12/7/2017	13:17:58	0	0	0
295	12/7/2017	13:18:58	0	0	0
296	12/7/2017	13:19:58	0	0	0
297	12/7/2017	13:20:58	0	0	0
298	12/7/2017	13:21:58	0	0	0
299	12/7/2017	13:22:58	0	0	0
300	12/7/2017	13:23:58	0	0	0
301	12/7/2017	13:24:58	0	0	0
302	12/7/2017	13:25:58	0	0	0
303	12/7/2017	13:26:58	0	0	0
304	12/7/2017	13:27:58	0	0	0
305	12/7/2017	13:28:58	0	0	0
306	12/7/2017	13:29:58	0	0	0
307	12/7/2017	13:30:58	0	0	0
308	12/7/2017	13:31:58	0	0	0
309	12/7/2017	13:32:58	0	0	0
310	12/7/2017	13:33:58	0	0	0
311	12/7/2017	13:34:58	0	0	0
312	12/7/2017	13:35:58	0	0	0
313	12/7/2017	13:36:58	0	0	0
314	12/7/2017	13:37:58	0	0	0
315	12/7/2017	13:38:58	0	0	0
316	12/7/2017	13:39:58	0	0	0
317	12/7/2017	13:40:58	0	0	0
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319	12/7/2017	13:42:58	0	0	0
320	12/7/2017	13:43:58	0	0	0
321	12/7/2017	13:44:58	0	0	0
322	12/7/2017	13:45:58	0	0	0
323	12/7/2017	13:46:58	0	0	0
324	12/7/2017	13:47:58	0	0	0
325	12/7/2017	13:48:58	0	0	0
326	12/7/2017	13:49:58	0	0	0
327	12/7/2017	13:50:58	0	0	0
328	12/7/2017	13:51:58	0	0	0
329	12/7/2017	13:52:58	0	0	0
330	12/7/2017	13:53:58	0	0	0
331	12/7/2017	13:54:58	0	0	0
332	12/7/2017	13:55:58	0	0	0
333	12/7/2017	13:56:58	0	0	0
334	12/7/2017	13:57:58	0	0	0
335	12/7/2017	13:58:58	0	0	0
336	12/7/2017	13:59:58	0	0	0
337	12/7/2017	14:00:58	0	0	0
338	12/7/2017	14:01:58	0	0	0
339	12/7/2017	14:02:58	0	0	0
340	12/7/2017	14:03:58	0	0	0
341	12/7/2017	14:04:58	0	0	0

			Pine_16464_20180226		
342	12/7/2017	14:05:58	0	0	0
343	12/7/2017	14:06:58	0	0	0
344	12/7/2017	14:07:58	0	0	0
345	12/7/2017	14:08:58	0	0	0
346	12/7/2017	14:09:58	0	0	0
347	12/7/2017	14:10:58	0	0	0
348	12/7/2017	14:11:58	0	0	0
349	12/7/2017	14:12:58	0	0	0
350	12/7/2017	14:13:58	0	0	0
351	12/7/2017	14:14:58	0	0	0
352	12/7/2017	14:15:58	0	0	0
353	12/7/2017	14:16:58	0	0	0
354	12/7/2017	14:17:58	0	0	0
355	12/7/2017	14:18:58	0	0	0
356	12/7/2017	14:19:58	0	0	0
357	12/7/2017	14:20:58	0	0	0
358	12/7/2017	14:21:58	0	0	0
359	12/7/2017	14:22:58	0	0	0
360	12/7/2017	14:23:58	0	0	0
361	12/7/2017	14:24:58	0	0	0
362	12/7/2017	14:25:58	0	0	0
363	12/7/2017	14:26:58	0	0	0
364	12/7/2017	14:27:58	0	0	0
365	12/7/2017	14:28:58	0	0	0
366	12/7/2017	14:29:58	0	0	0
367	12/7/2017	14:30:58	0	0	0
368	12/7/2017	14:31:58	0	0	0
369	12/7/2017	14:32:58	0	0	0
370	12/7/2017	14:33:58	0	0	0
371	12/7/2017	14:34:58	0	0	0
372	12/7/2017	14:35:58	0	0	0
373	12/7/2017	14:36:58	0	0	0
374	12/7/2017	14:37:58	0	0	0
375	12/7/2017	14:38:58	0	0	0
376	12/7/2017	14:39:58	0	0	0
377	12/7/2017	14:40:58	0	0	0
378	12/7/2017	14:41:58	0	0	0
379	12/7/2017	14:42:58	0	0	0
380	12/7/2017	14:43:58	0	0	0
381	12/7/2017	14:44:58	0	0	0
382	12/7/2017	14:45:58	0	0	0
383	12/7/2017	14:46:58	0	0	0
384	12/7/2017	14:47:58	0	0	0
385	12/7/2017	14:48:58	0	0	0
386	12/7/2017	14:49:58	0	0	0
387	12/7/2017	14:50:58	0	0	0
388	12/7/2017	14:51:58	0	12	186
389	12/7/2017	14:52:58	0	0	0

			Pine_16464_20180226		
390	12/7/2017	14:53:58	0	0	0
391	12/7/2017	14:54:58	0	0	0
392	12/7/2017	14:55:58	0	0	0
393	12/7/2017	14:56:58	0	0	0
394	12/7/2017	14:57:58	0	0	0
395	12/7/2017	14:58:58	0	0	0
396	12/7/2017	14:59:58	0	0	0
397	12/7/2017	15:00:58	0	0	0
398	12/7/2017	15:01:58	0	0	0
399	12/7/2017	15:02:58	0	0	0
400	12/7/2017	15:03:58	0	0	0
401	12/7/2017	15:04:58	0	0	0
402	12/7/2017	15:05:58	0	0	0
403	12/7/2017	15:06:58	0	0	0
404	12/7/2017	15:07:58	0	0	0
405	12/7/2017	15:08:58	0	0	0
406	12/7/2017	15:09:58	0	0	0
407	12/7/2017	15:10:58	0	0	0
408	12/7/2017	15:11:58	0	0	0
409	12/7/2017	15:12:58	0	0	0
410	12/7/2017	15:13:58	0	0	0
411	12/7/2017	15:14:58	0	0	0
412	12/7/2017	15:15:58	0	0	0
413	12/7/2017	15:16:58	0	0	0
414	12/7/2017	15:17:58	0	0	0
415	12/7/2017	15:18:58	0	0	0
416	12/7/2017	15:19:58	0	0	0
417	12/7/2017	15:20:58	0	0	0
418	12/7/2017	15:21:58	0	0	0
419	12/7/2017	15:22:58	0	0	0
420	12/7/2017	15:23:58	0	0	0
421	12/7/2017	15:24:58	0	0	0
422	12/7/2017	15:25:58	0	0	0
423	12/7/2017	15:26:58	0	0	0
424	12/7/2017	15:27:58	0	0	0
425	12/7/2017	15:28:58	0	0	0
426	12/7/2017	15:29:58	0	0	0
427	12/7/2017	15:30:58	0	0	0
428	12/7/2017	15:31:58	0	0	0
429	12/7/2017	15:32:58	0	0	0
430	12/7/2017	15:33:58	0	15	110
Peak	0	318	1261		
Min	0	0	0		
Average	0	1	6		

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17/12/11 07:31

Summary

 Unit Name MiniRAE 3000(PGM-7320)
 Unit SN 592-903918
 Unit Firmware Ver V1.20B

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

Site ID 00000056
 User ID 00000001

Begin 12/11/2017 07:31:25
 End 12/11/2017 16:54:42
 Sample Period(s) 60
 Number of Records 563

Sensor VOC(ppb)
 Span 100000
 Span 2 N/A
 Low Alarm 50000
 High Alarm 100000
 Over Alarm 15000000
 STEL Alarm 25000
 TWA Alarm 100000
 Measurement Gas Isobutylene
 Calibration Time 10/19/2017 13:11
 Peak N/A
 Min N/A
 Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	12/11/2017 07:32:25	0	0	0	0
002	12/11/2017 07:33:25	0	0	0	0
003	12/11/2017 07:34:25	0	0	0	0
004	12/11/2017 07:35:25	0	0	0	0
005	12/11/2017 07:36:25	0	0	0	0
006	12/11/2017 07:37:25	0	0	0	0
007	12/11/2017 07:38:25	0	0	0	0
008	12/11/2017 07:39:25	0	0	0	0
009	12/11/2017 07:40:25	0	0	0	0

			Pine_16464_20180226		
010	12/11/2017	07:41:25	0	0	0
011	12/11/2017	07:42:25	0	0	0
012	12/11/2017	07:43:25	0	0	0
013	12/11/2017	07:44:25	0	0	0
014	12/11/2017	07:45:25	0	0	0
015	12/11/2017	07:46:25	0	0	0
016	12/11/2017	07:47:25	0	0	0
017	12/11/2017	07:48:25	0	0	0
018	12/11/2017	07:49:25	0	0	0
019	12/11/2017	07:50:25	0	0	0
020	12/11/2017	07:51:25	0	0	0
021	12/11/2017	07:52:25	0	0	0
022	12/11/2017	07:53:25	0	0	0
023	12/11/2017	07:54:25	0	0	0
024	12/11/2017	07:55:25	0	0	0
025	12/11/2017	07:56:25	0	0	0
026	12/11/2017	07:57:25	0	0	0
027	12/11/2017	07:58:25	0	0	0
028	12/11/2017	07:59:25	0	0	0
029	12/11/2017	08:00:25	0	0	0
030	12/11/2017	08:01:25	0	0	0
031	12/11/2017	08:02:25	0	0	0
032	12/11/2017	08:03:25	0	0	0
033	12/11/2017	08:04:25	0	0	0
034	12/11/2017	08:05:25	0	0	0
035	12/11/2017	08:06:25	0	0	0
036	12/11/2017	08:07:25	0	0	0
037	12/11/2017	08:08:25	0	0	0
038	12/11/2017	08:09:25	0	0	0
039	12/11/2017	08:10:25	0	0	0
040	12/11/2017	08:11:25	0	0	0
041	12/11/2017	08:12:25	0	0	0
042	12/11/2017	08:13:25	0	0	0
043	12/11/2017	08:14:25	0	0	0
044	12/11/2017	08:15:25	0	0	0
045	12/11/2017	08:16:25	0	0	0
046	12/11/2017	08:17:25	0	0	0
047	12/11/2017	08:18:25	0	0	0
048	12/11/2017	08:19:25	0	0	0
049	12/11/2017	08:20:25	0	0	0
050	12/11/2017	08:21:25	0	0	0
051	12/11/2017	08:22:25	0	0	0
052	12/11/2017	08:23:25	0	0	0
053	12/11/2017	08:24:25	0	0	0
054	12/11/2017	08:25:25	0	0	0
055	12/11/2017	08:26:25	0	0	0
056	12/11/2017	08:27:25	0	0	0
057	12/11/2017	08:28:25	0	0	0

			Pine_16464_20180226		
058	12/11/2017	08:29:25	0	0	0
059	12/11/2017	08:30:25	0	0	0
060	12/11/2017	08:31:25	0	0	0
061	12/11/2017	08:32:25	0	0	0
062	12/11/2017	08:33:25	0	0	0
063	12/11/2017	08:34:25	0	0	0
064	12/11/2017	08:35:25	0	0	0
065	12/11/2017	08:36:25	0	0	0
066	12/11/2017	08:37:25	0	0	0
067	12/11/2017	08:38:25	0	0	0
068	12/11/2017	08:39:25	0	0	0
069	12/11/2017	08:40:25	0	0	0
070	12/11/2017	08:41:25	0	0	0
071	12/11/2017	08:42:25	0	0	0
072	12/11/2017	08:43:25	0	0	0
073	12/11/2017	08:44:25	0	0	0
074	12/11/2017	08:45:25	0	0	0
075	12/11/2017	08:46:25	0	0	0
076	12/11/2017	08:47:25	0	0	0
077	12/11/2017	08:48:25	0	0	0
078	12/11/2017	08:49:25	0	0	0
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080	12/11/2017	08:51:25	0	0	0
081	12/11/2017	08:52:25	0	0	0
082	12/11/2017	08:53:25	0	0	0
083	12/11/2017	08:54:25	0	0	0
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085	12/11/2017	08:56:25	0	0	0
086	12/11/2017	08:57:25	0	0	0
087	12/11/2017	08:58:25	0	0	0
088	12/11/2017	08:59:25	0	0	0
089	12/11/2017	09:00:25	0	0	0
090	12/11/2017	09:01:25	0	0	0
091	12/11/2017	09:02:25	0	0	0
092	12/11/2017	09:03:25	0	0	0
093	12/11/2017	09:04:25	0	0	0
094	12/11/2017	09:05:25	0	0	0
095	12/11/2017	09:06:25	0	0	0
096	12/11/2017	09:07:25	0	0	0
097	12/11/2017	09:08:25	0	0	0
098	12/11/2017	09:09:25	0	0	0
099	12/11/2017	09:10:25	0	0	0
100	12/11/2017	09:11:25	0	0	0
101	12/11/2017	09:12:25	0	0	0
102	12/11/2017	09:13:25	0	0	0
103	12/11/2017	09:14:25	0	0	0
104	12/11/2017	09:15:25	0	0	0
105	12/11/2017	09:16:25	0	0	0

			Pine_16464_20180226		
106	12/11/2017	09:17:25	0	0	0
107	12/11/2017	09:18:25	0	0	0
108	12/11/2017	09:19:25	0	0	0
109	12/11/2017	09:20:25	0	0	0
110	12/11/2017	09:21:25	0	0	0
111	12/11/2017	09:22:25	0	0	0
112	12/11/2017	09:23:25	0	0	0
113	12/11/2017	09:24:25	0	0	0
114	12/11/2017	09:25:25	0	0	0
115	12/11/2017	09:26:25	0	0	0
116	12/11/2017	09:27:25	0	0	0
117	12/11/2017	09:28:25	0	0	0
118	12/11/2017	09:29:25	0	0	0
119	12/11/2017	09:30:25	0	0	0
120	12/11/2017	09:31:25	0	0	0
121	12/11/2017	09:32:25	0	0	0
122	12/11/2017	09:33:25	0	0	0
123	12/11/2017	09:34:25	0	0	0
124	12/11/2017	09:35:25	0	0	0
125	12/11/2017	09:36:25	0	0	0
126	12/11/2017	09:37:25	0	0	0
127	12/11/2017	09:38:25	0	0	0
128	12/11/2017	09:39:25	0	0	0
129	12/11/2017	09:40:25	0	0	0
130	12/11/2017	09:41:25	0	0	0
131	12/11/2017	09:42:25	0	0	0
132	12/11/2017	09:43:25	0	0	0
133	12/11/2017	09:44:25	0	0	0
134	12/11/2017	09:45:25	0	0	0
135	12/11/2017	09:46:25	0	0	0
136	12/11/2017	09:47:25	0	0	0
137	12/11/2017	09:48:25	0	0	0
138	12/11/2017	09:49:25	0	0	0
139	12/11/2017	09:50:25	0	0	0
140	12/11/2017	09:51:25	0	0	0
141	12/11/2017	09:52:25	0	0	0
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143	12/11/2017	09:54:25	0	0	0
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146	12/11/2017	09:57:25	0	0	0
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149	12/11/2017	10:00:25	0	0	0
150	12/11/2017	10:01:25	0	0	0
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152	12/11/2017	10:03:25	0	0	0
153	12/11/2017	10:04:25	0	0	0

			Pine_16464_20180226		
154	12/11/2017	10:05:25	0	0	0
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161	12/11/2017	10:12:25	0	0	0
162	12/11/2017	10:13:25	0	0	0
163	12/11/2017	10:14:25	0	0	0
164	12/11/2017	10:15:25	0	0	0
165	12/11/2017	10:16:25	0	0	0
166	12/11/2017	10:17:25	0	0	0
167	12/11/2017	10:18:25	0	0	0
168	12/11/2017	10:19:25	0	0	0
169	12/11/2017	10:20:25	0	0	0
170	12/11/2017	10:21:25	0	0	0
171	12/11/2017	10:22:25	0	0	0
172	12/11/2017	10:23:25	0	0	0
173	12/11/2017	10:24:25	0	0	0
174	12/11/2017	10:25:25	0	0	0
175	12/11/2017	10:26:25	0	0	0
176	12/11/2017	10:27:25	0	0	0
177	12/11/2017	10:28:25	0	0	0
178	12/11/2017	10:29:25	0	0	0
179	12/11/2017	10:30:25	0	0	0
180	12/11/2017	10:31:25	0	0	0
181	12/11/2017	10:32:25	0	0	0
182	12/11/2017	10:33:25	0	0	0
183	12/11/2017	10:34:25	0	0	0
184	12/11/2017	10:35:25	0	0	0
185	12/11/2017	10:36:25	0	0	0
186	12/11/2017	10:37:25	0	0	0
187	12/11/2017	10:38:25	0	0	0
188	12/11/2017	10:39:25	0	0	0
189	12/11/2017	10:40:25	0	0	0
190	12/11/2017	10:41:25	0	0	0
191	12/11/2017	10:42:25	0	0	0
192	12/11/2017	10:43:25	0	0	0
193	12/11/2017	10:44:25	0	0	0
194	12/11/2017	10:45:25	0	0	0
195	12/11/2017	10:46:25	0	0	0
196	12/11/2017	10:47:25	0	0	0
197	12/11/2017	10:48:25	0	81	740
198	12/11/2017	10:49:25	0	4	153
199	12/11/2017	10:50:25	0	0	7
200	12/11/2017	10:51:25	0	0	0
201	12/11/2017	10:52:25	0	0	0

			Pine_16464_20180226		
202	12/11/2017	10:53:25	0	0	0
203	12/11/2017	10:54:25	0	0	0
204	12/11/2017	10:55:25	0	0	0
205	12/11/2017	10:56:25	0	0	0
206	12/11/2017	10:57:25	0	5	78
207	12/11/2017	10:58:25	0	0	0
208	12/11/2017	10:59:25	0	19	249
209	12/11/2017	11:00:25	0	4	67
210	12/11/2017	11:01:25	0	0	0
211	12/11/2017	11:02:25	0	0	0
212	12/11/2017	11:03:25	0	0	0
213	12/11/2017	11:04:25	0	0	0
214	12/11/2017	11:05:25	0	0	0
215	12/11/2017	11:06:25	0	30	298
216	12/11/2017	11:07:25	0	0	0
217	12/11/2017	11:08:25	0	12	102
218	12/11/2017	11:09:25	0	0	0
219	12/11/2017	11:10:25	0	0	0
220	12/11/2017	11:11:25	0	0	0
221	12/11/2017	11:12:25	0	0	0
222	12/11/2017	11:13:25	0	0	0
223	12/11/2017	11:14:25	0	0	0
224	12/11/2017	11:15:25	0	0	0
225	12/11/2017	11:16:25	0	0	0
226	12/11/2017	11:17:25	0	0	0
227	12/11/2017	11:18:25	0	0	0
228	12/11/2017	11:19:25	0	0	0
229	12/11/2017	11:20:25	0	0	0
230	12/11/2017	11:21:25	0	0	0
231	12/11/2017	11:22:25	0	0	0
232	12/11/2017	11:23:25	0	0	0
233	12/11/2017	11:24:25	0	0	0
234	12/11/2017	11:25:25	0	0	0
235	12/11/2017	11:26:25	0	0	0
236	12/11/2017	11:27:25	0	0	0
237	12/11/2017	11:28:25	0	0	0
238	12/11/2017	11:29:25	0	0	0
239	12/11/2017	11:30:25	0	0	0
240	12/11/2017	11:31:25	0	0	0
241	12/11/2017	11:32:25	0	0	0
242	12/11/2017	11:33:25	0	0	0
243	12/11/2017	11:34:25	0	0	0
244	12/11/2017	11:35:25	0	0	0
245	12/11/2017	11:36:25	0	0	0
246	12/11/2017	11:37:25	0	0	0
247	12/11/2017	11:38:25	0	0	0
248	12/11/2017	11:39:25	0	0	0
249	12/11/2017	11:40:25	0	0	0

			Pine_16464_20180226		
250	12/11/2017	11:41:25	0	0	0
251	12/11/2017	11:42:25	0	0	0
252	12/11/2017	11:43:25	0	0	0
253	12/11/2017	11:44:25	0	0	0
254	12/11/2017	11:45:25	0	0	0
255	12/11/2017	11:46:25	0	0	0
256	12/11/2017	11:47:25	0	0	0
257	12/11/2017	11:48:25	0	0	0
258	12/11/2017	11:49:25	0	4	75
259	12/11/2017	11:50:25	0	0	0
260	12/11/2017	11:51:25	0	4	67
261	12/11/2017	11:52:25	0	28	424
262	12/11/2017	11:53:25	0	7	70
263	12/11/2017	11:54:25	0	0	0
264	12/11/2017	11:55:25	0	0	0
265	12/11/2017	11:56:25	0	0	0
266	12/11/2017	11:57:25	0	0	0
267	12/11/2017	11:58:25	0	0	0
268	12/11/2017	11:59:25	0	0	0
269	12/11/2017	12:00:25	0	0	0
270	12/11/2017	12:01:25	0	0	0
271	12/11/2017	12:02:25	0	0	0
272	12/11/2017	12:03:25	0	0	0
273	12/11/2017	12:04:25	0	0	0
274	12/11/2017	12:05:25	0	0	0
275	12/11/2017	12:06:25	0	0	0
276	12/11/2017	12:07:25	0	0	0
277	12/11/2017	12:08:25	0	0	0
278	12/11/2017	12:09:25	0	0	0
279	12/11/2017	12:10:25	0	0	0
280	12/11/2017	12:11:25	0	0	0
281	12/11/2017	12:12:25	0	0	0
282	12/11/2017	12:13:25	0	0	0
283	12/11/2017	12:14:25	0	0	0
284	12/11/2017	12:15:25	0	0	0
285	12/11/2017	12:16:25	0	0	0
286	12/11/2017	12:17:25	0	0	0
287	12/11/2017	12:18:25	0	0	0
288	12/11/2017	12:19:25	0	0	0
289	12/11/2017	12:20:25	0	0	0
290	12/11/2017	12:21:25	0	0	0
291	12/11/2017	12:22:25	0	0	0
292	12/11/2017	12:23:25	0	0	0
293	12/11/2017	12:24:25	0	0	0
294	12/11/2017	12:25:25	0	0	0
295	12/11/2017	12:26:25	0	0	0
296	12/11/2017	12:27:25	0	0	0
297	12/11/2017	12:28:25	0	0	0

			Pine_16464_20180226		
298	12/11/2017	12:29:25	0	26	277
299	12/11/2017	12:30:25	0	0	0
300	12/11/2017	12:31:25	0	0	0
301	12/11/2017	12:32:25	0	0	0
302	12/11/2017	12:33:25	0	0	0
303	12/11/2017	12:34:25	0	0	0
304	12/11/2017	12:35:25	0	0	0
305	12/11/2017	12:36:25	0	0	0
306	12/11/2017	12:37:25	0	0	0
307	12/11/2017	12:38:25	0	0	0
308	12/11/2017	12:39:25	0	0	0
309	12/11/2017	12:40:25	0	0	0
310	12/11/2017	12:41:25	0	0	0
311	12/11/2017	12:42:25	0	0	0
312	12/11/2017	12:43:25	0	0	0
313	12/11/2017	12:44:25	0	0	0
314	12/11/2017	12:45:25	0	0	0
315	12/11/2017	12:46:25	0	0	0
316	12/11/2017	12:47:25	0	0	0
317	12/11/2017	12:48:25	0	0	0
318	12/11/2017	12:49:25	0	0	0
319	12/11/2017	12:50:25	0	0	0
320	12/11/2017	12:51:25	0	0	0
321	12/11/2017	12:52:25	0	0	0
322	12/11/2017	12:53:25	0	0	0
323	12/11/2017	12:54:25	0	0	0
324	12/11/2017	12:55:25	0	0	0
325	12/11/2017	12:56:25	0	0	0
326	12/11/2017	12:57:25	0	0	0
327	12/11/2017	12:58:25	0	0	0
328	12/11/2017	12:59:25	0	0	0
329	12/11/2017	13:00:25	0	0	0
330	12/11/2017	13:01:25	0	0	0
331	12/11/2017	13:02:25	0	0	0
332	12/11/2017	13:03:25	0	0	0
333	12/11/2017	13:04:25	0	0	0
334	12/11/2017	13:05:25	0	0	0
335	12/11/2017	13:06:25	0	0	0
336	12/11/2017	13:07:25	0	0	0
337	12/11/2017	13:08:25	0	0	0
338	12/11/2017	13:09:25	0	0	0
339	12/11/2017	13:10:25	0	0	0
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341	12/11/2017	13:12:25	0	0	0
342	12/11/2017	13:13:25	0	0	0
343	12/11/2017	13:14:25	0	0	0
344	12/11/2017	13:15:25	0	0	0
345	12/11/2017	13:16:25	0	0	0

			Pine_16464_20180226		
346	12/11/2017	13:17:25	0	0	0
347	12/11/2017	13:18:25	0	0	0
348	12/11/2017	13:19:25	0	0	0
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350	12/11/2017	13:21:25	0	0	0
351	12/11/2017	13:22:25	0	0	0
352	12/11/2017	13:23:25	0	0	0
353	12/11/2017	13:24:25	0	0	0
354	12/11/2017	13:25:25	0	0	0
355	12/11/2017	13:26:25	0	0	0
356	12/11/2017	13:27:25	0	0	0
357	12/11/2017	13:28:25	0	0	0
358	12/11/2017	13:29:25	0	0	0
359	12/11/2017	13:30:25	0	0	0
360	12/11/2017	13:31:25	0	0	0
361	12/11/2017	13:32:25	0	0	0
362	12/11/2017	13:33:25	0	0	0
363	12/11/2017	13:34:25	0	0	0
364	12/11/2017	13:35:25	0	0	0
365	12/11/2017	13:36:25	0	0	0
366	12/11/2017	13:37:25	0	0	0
367	12/11/2017	13:38:25	0	2	43
368	12/11/2017	13:39:25	0	50	494
369	12/11/2017	13:40:25	0	0	0
370	12/11/2017	13:41:25	0	0	0
371	12/11/2017	13:42:25	0	0	0
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373	12/11/2017	13:44:25	0	0	0
374	12/11/2017	13:45:25	0	0	0
375	12/11/2017	13:46:25	0	0	0
376	12/11/2017	13:47:25	0	0	0
377	12/11/2017	13:48:25	0	0	0
378	12/11/2017	13:49:25	0	0	0
379	12/11/2017	13:50:25	0	0	0
380	12/11/2017	13:51:25	0	0	0
381	12/11/2017	13:52:25	0	0	0
382	12/11/2017	13:53:25	0	23	271
383	12/11/2017	13:54:25	0	0	0
384	12/11/2017	13:55:25	0	0	0
385	12/11/2017	13:56:25	0	0	0
386	12/11/2017	13:57:25	0	0	0
387	12/11/2017	13:58:25	0	0	0
388	12/11/2017	13:59:25	0	11	147
389	12/11/2017	14:00:25	0	9	91
390	12/11/2017	14:01:25	0	0	0
391	12/11/2017	14:02:25	0	0	0
392	12/11/2017	14:03:25	0	0	0
393	12/11/2017	14:04:25	0	0	0

			Pine_16464_20180226		
394	12/11/2017	14:05:25	0	33	307
395	12/11/2017	14:06:25	0	0	0
396	12/11/2017	14:07:25	0	0	0
397	12/11/2017	14:08:25	0	0	0
398	12/11/2017	14:09:25	0	0	0
399	12/11/2017	14:10:25	0	0	0
400	12/11/2017	14:11:25	0	0	0
401	12/11/2017	14:12:25	0	51	733
402	12/11/2017	14:13:25	0	11	76
403	12/11/2017	14:14:25	0	1	20
404	12/11/2017	14:15:25	0	0	0
405	12/11/2017	14:16:25	0	0	0
406	12/11/2017	14:17:25	0	0	0
407	12/11/2017	14:18:25	0	0	0
408	12/11/2017	14:19:25	0	0	0
409	12/11/2017	14:20:25	0	0	0
410	12/11/2017	14:21:25	0	0	0
411	12/11/2017	14:22:25	0	0	0
412	12/11/2017	14:23:25	0	0	0
413	12/11/2017	14:24:25	0	0	0
414	12/11/2017	14:25:25	0	0	0
415	12/11/2017	14:26:25	0	0	0
416	12/11/2017	14:27:25	0	0	0
417	12/11/2017	14:28:25	0	0	0
418	12/11/2017	14:29:25	0	0	0
419	12/11/2017	14:30:25	0	0	0
420	12/11/2017	14:31:25	0	0	0
421	12/11/2017	14:32:25	0	0	0
422	12/11/2017	14:33:25	0	0	0
423	12/11/2017	14:34:25	0	0	0
424	12/11/2017	14:35:25	0	0	0
425	12/11/2017	14:36:25	0	0	0
426	12/11/2017	14:37:25	0	0	0
427	12/11/2017	14:38:25	0	0	0
428	12/11/2017	14:39:25	0	0	0
429	12/11/2017	14:40:25	0	0	0
430	12/11/2017	14:41:25	0	0	0
431	12/11/2017	14:42:25	0	0	0
432	12/11/2017	14:43:25	0	0	0
433	12/11/2017	14:44:25	0	0	0
434	12/11/2017	14:45:25	0	0	0
435	12/11/2017	14:46:25	0	0	0
436	12/11/2017	14:47:25	0	0	0
437	12/11/2017	14:48:25	0	0	0
438	12/11/2017	14:49:25	0	0	0
439	12/11/2017	14:50:25	0	0	0
440	12/11/2017	14:51:25	0	0	0
441	12/11/2017	14:52:25	0	0	0

			Pine_16464_20180226		
442	12/11/2017	14:53:25	0	0	0
443	12/11/2017	14:54:25	0	0	0
444	12/11/2017	14:55:25	0	0	0
445	12/11/2017	14:56:25	0	0	0
446	12/11/2017	14:57:25	0	0	0
447	12/11/2017	14:58:25	0	0	0
448	12/11/2017	14:59:25	0	0	0
449	12/11/2017	15:00:25	0	0	0
450	12/11/2017	15:01:25	0	0	0
451	12/11/2017	15:02:25	0	0	0
452	12/11/2017	15:03:25	0	0	0
453	12/11/2017	15:04:25	0	0	0
454	12/11/2017	15:05:25	0	0	0
455	12/11/2017	15:06:25	0	0	0
456	12/11/2017	15:07:25	0	0	0
457	12/11/2017	15:08:25	0	0	0
458	12/11/2017	15:09:25	0	0	0
459	12/11/2017	15:10:25	0	0	0
460	12/11/2017	15:11:25	0	0	0
461	12/11/2017	15:12:25	0	0	0
462	12/11/2017	15:13:25	0	0	0
463	12/11/2017	15:14:25	0	0	0
464	12/11/2017	15:15:25	0	0	0
465	12/11/2017	15:16:25	0	0	0
466	12/11/2017	15:17:25	0	0	0
467	12/11/2017	15:18:25	0	0	0
468	12/11/2017	15:19:25	0	0	0
469	12/11/2017	15:20:25	0	0	0
470	12/11/2017	15:21:25	0	0	0
471	12/11/2017	15:22:25	0	0	0
472	12/11/2017	15:23:25	0	0	0
473	12/11/2017	15:24:25	0	0	0
474	12/11/2017	15:25:25	0	0	0
475	12/11/2017	15:26:25	0	0	0
476	12/11/2017	15:27:25	0	0	0
477	12/11/2017	15:28:25	0	0	0
478	12/11/2017	15:29:25	0	0	0
479	12/11/2017	15:30:25	0	0	0
480	12/11/2017	15:31:25	0	0	0
481	12/11/2017	15:32:25	0	0	0
482	12/11/2017	15:33:25	0	0	0
483	12/11/2017	15:34:25	0	0	0
484	12/11/2017	15:35:25	0	0	0
485	12/11/2017	15:36:25	0	0	0
486	12/11/2017	15:37:25	0	0	0
487	12/11/2017	15:38:25	0	0	0
488	12/11/2017	15:39:25	0	0	0
489	12/11/2017	15:40:25	0	0	0

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490	12/11/2017	15:41:25	0	0	0
491	12/11/2017	15:42:25	0	0	0
492	12/11/2017	15:43:25	0	0	0
493	12/11/2017	15:44:25	0	0	0
494	12/11/2017	15:45:25	0	0	0
495	12/11/2017	15:46:25	0	0	0
496	12/11/2017	15:47:25	0	0	0
497	12/11/2017	15:48:25	0	0	0
498	12/11/2017	15:49:25	0	0	0
499	12/11/2017	15:50:25	0	0	0
500	12/11/2017	15:51:25	0	0	0
501	12/11/2017	15:52:25	0	0	0
502	12/11/2017	15:53:25	0	0	0
503	12/11/2017	15:54:25	0	0	0
504	12/11/2017	15:55:25	0	0	0
505	12/11/2017	15:56:25	0	0	0
506	12/11/2017	15:57:25	0	0	0
507	12/11/2017	15:58:25	0	0	0
508	12/11/2017	15:59:25	0	0	0
509	12/11/2017	16:00:25	0	0	0
510	12/11/2017	16:01:25	0	0	0
511	12/11/2017	16:02:25	0	0	0
512	12/11/2017	16:03:25	0	0	0
513	12/11/2017	16:04:25	0	0	0
514	12/11/2017	16:05:25	0	0	0
515	12/11/2017	16:06:25	0	0	0
516	12/11/2017	16:07:25	0	0	0
517	12/11/2017	16:08:25	0	0	0
518	12/11/2017	16:09:25	0	0	0
519	12/11/2017	16:10:25	0	0	0
520	12/11/2017	16:11:25	0	0	0
521	12/11/2017	16:12:25	0	0	0
522	12/11/2017	16:13:25	0	0	0
523	12/11/2017	16:14:25	0	0	0
524	12/11/2017	16:15:25	0	0	0
525	12/11/2017	16:16:25	0	0	0
526	12/11/2017	16:17:25	0	0	0
527	12/11/2017	16:18:25	0	0	0
528	12/11/2017	16:19:25	0	0	0
529	12/11/2017	16:20:25	0	0	0
530	12/11/2017	16:21:25	0	0	0
531	12/11/2017	16:22:25	0	0	0
532	12/11/2017	16:23:25	0	0	0
533	12/11/2017	16:24:25	0	0	0
534	12/11/2017	16:25:25	0	0	0
535	12/11/2017	16:26:25	0	0	0
536	12/11/2017	16:27:25	0	0	0
537	12/11/2017	16:28:25	0	0	0

			Pine_16464_20180226		
538	12/11/2017	16:29:25	0	0	0
539	12/11/2017	16:30:25	0	0	0
540	12/11/2017	16:31:25	0	0	0
541	12/11/2017	16:32:25	0	0	0
542	12/11/2017	16:33:25	0	0	0
543	12/11/2017	16:34:25	0	0	0
544	12/11/2017	16:35:25	0	0	0
545	12/11/2017	16:36:25	0	0	0
546	12/11/2017	16:37:25	0	0	0
547	12/11/2017	16:38:25	0	0	0
548	12/11/2017	16:39:25	0	0	0
549	12/11/2017	16:40:25	0	0	0
550	12/11/2017	16:41:25	0	0	0
551	12/11/2017	16:42:25	0	0	0
552	12/11/2017	16:43:25	0	0	0
553	12/11/2017	16:44:25	0	0	0
554	12/11/2017	16:45:25	0	0	0
555	12/11/2017	16:46:25	0	0	0
556	12/11/2017	16:47:25	0	0	0
557	12/11/2017	16:48:25	0	0	0
558	12/11/2017	16:49:25	0	0	0
559	12/11/2017	16:50:25	0	0	0
560	12/11/2017	16:51:25	0	0	0
561	12/11/2017	16:52:25	0	0	0
562	12/11/2017	16:53:25	0	0	0
563	12/11/2017	16:54:25	0	0	0
Peak	0	81	740		
Min	0	0	0		
Average	0	1	9		

=====

17/12/12 07:26

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

```

-----
Begin   12/12/2017 07:26:24
End     12/12/2017 18:45:30
Sample Period(s)      60
Number of Records     679
-----

```

```

Sensor   VOC(ppb)
Span     100000
Span 2   N/A
Low Alarm      50000
High Alarm     100000
Over Alarm     15000000
STEL Alarm     25000
TWA Alarm      100000
Measurement Gas Isobutylene
Calibration Time      10/19/2017 13:11
Peak        N/A
Min         N/A
Average     N/A

```

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	12/12/2017 07:27:24	0	0	0	0
002	12/12/2017 07:28:24	0	0	0	0
003	12/12/2017 07:29:24	0	0	0	0
004	12/12/2017 07:30:24	0	0	0	0
005	12/12/2017 07:31:24	0	0	0	0
006	12/12/2017 07:32:24	0	0	0	0
007	12/12/2017 07:33:24	0	0	0	0
008	12/12/2017 07:34:24	0	0	0	0
009	12/12/2017 07:35:24	0	0	0	0
010	12/12/2017 07:36:24	0	0	0	0
011	12/12/2017 07:37:24	0	0	0	0
012	12/12/2017 07:38:24	0	0	0	0
013	12/12/2017 07:39:24	0	0	0	0
014	12/12/2017 07:40:24	0	0	0	0
015	12/12/2017 07:41:24	0	0	0	0
016	12/12/2017 07:42:24	0	0	0	0
017	12/12/2017 07:43:24	0	0	0	0
018	12/12/2017 07:44:24	0	0	0	0
019	12/12/2017 07:45:24	0	0	0	0
020	12/12/2017 07:46:24	0	0	2	2
021	12/12/2017 07:47:24	0	1	5	5
022	12/12/2017 07:48:24	0	0	0	0
023	12/12/2017 07:49:24	0	0	0	0
024	12/12/2017 07:50:24	0	0	0	0

			Pine_16464_20180226		
025	12/12/2017 07:51:24	0	1	6	
026	12/12/2017 07:52:24	4	9	13	
027	12/12/2017 07:53:24	12	16	22	
028	12/12/2017 07:54:24	22	28	36	
029	12/12/2017 07:55:24	34	40	44	
030	12/12/2017 07:56:24	41	49	61	
031	12/12/2017 07:57:24	59	66	75	
032	12/12/2017 07:58:24	70	73	80	
033	12/12/2017 07:59:24	75	80	85	
034	12/12/2017 08:00:24	77	89	97	
035	12/12/2017 08:01:24	83	91	98	
036	12/12/2017 08:02:24	77	83	89	
037	12/12/2017 08:03:24	67	72	81	
038	12/12/2017 08:04:24	58	62	67	
039	12/12/2017 08:05:24	60	62	64	
040	12/12/2017 08:06:24	62	68	72	
041	12/12/2017 08:07:24	71	75	80	
042	12/12/2017 08:08:24	79	85	93	
043	12/12/2017 08:09:24	93	98	107	
044	12/12/2017 08:10:24	107	113	119	
045	12/12/2017 08:11:24	121	126	134	
046	12/12/2017 08:12:24	134	138	142	
047	12/12/2017 08:13:24	139	148	154	
048	12/12/2017 08:14:24	125	144	152	
049	12/12/2017 08:15:24	123	128	133	
050	12/12/2017 08:16:24	106	113	123	
051	12/12/2017 08:17:24	83	98	114	
052	12/12/2017 08:18:24	78	92	117	
053	12/12/2017 08:19:24	65	77	94	
054	12/12/2017 08:20:24	54	60	68	
055	12/12/2017 08:21:24	43	50	55	
056	12/12/2017 08:22:24	25	34	41	
057	12/12/2017 08:23:24	17	22	28	
058	12/12/2017 08:24:24	17	21	24	
059	12/12/2017 08:25:24	16	19	22	
060	12/12/2017 08:26:24	14	16	20	
061	12/12/2017 08:27:24	16	19	27	
062	12/12/2017 08:28:24	25	32	43	
063	12/12/2017 08:29:24	41	47	53	
064	12/12/2017 08:30:24	45	47	51	
065	12/12/2017 08:31:24	41	45	49	
066	12/12/2017 08:32:24	41	48	55	
067	12/12/2017 08:33:24	38	44	51	
068	12/12/2017 08:34:24	35	40	46	
069	12/12/2017 08:35:24	25	33	44	
070	12/12/2017 08:36:24	12	20	26	
071	12/12/2017 08:37:24	14	16	18	
072	12/12/2017 08:38:24	15	19	24	

			Pine_16464_20180226		
073	12/12/2017 08:39:24	18	22	28	
074	12/12/2017 08:40:24	25	30	36	
075	12/12/2017 08:41:24	36	38	43	
076	12/12/2017 08:42:24	41	46	54	
077	12/12/2017 08:43:24	53	58	65	
078	12/12/2017 08:44:24	61	70	80	
079	12/12/2017 08:45:24	72	77	82	
080	12/12/2017 08:46:24	76	81	86	
081	12/12/2017 08:47:24	78	84	94	
082	12/12/2017 08:48:24	62	74	84	
083	12/12/2017 08:49:24	60	65	76	
084	12/12/2017 08:50:24	52	58	65	
085	12/12/2017 08:51:24	26	39	54	
086	12/12/2017 08:52:24	7	15	26	
087	12/12/2017 08:53:24	3	6	10	
088	12/12/2017 08:54:24	6	8	11	
089	12/12/2017 08:55:24	10	12	16	
090	12/12/2017 08:56:24	16	22	33	
091	12/12/2017 08:57:24	31	41	54	
092	12/12/2017 08:58:24	43	56	68	
093	12/12/2017 08:59:24	69	76	87	
094	12/12/2017 09:00:24	74	78	84	
095	12/12/2017 09:01:24	75	86	96	
096	12/12/2017 09:02:24	96	112	128	
097	12/12/2017 09:03:24	77	95	121	
098	12/12/2017 09:04:24	74	86	125	
099	12/12/2017 09:05:24	64	79	94	
100	12/12/2017 09:06:24	36	48	64	
101	12/12/2017 09:07:24	19	27	36	
102	12/12/2017 09:08:24	0	5	20	
103	12/12/2017 09:09:24	0	0	0	
104	12/12/2017 09:10:24	0	0	0	
105	12/12/2017 09:11:24	0	0	0	
106	12/12/2017 09:12:24	0	0	0	
107	12/12/2017 09:13:24	0	0	0	
108	12/12/2017 09:14:24	0	0	0	
109	12/12/2017 09:15:24	0	0	0	
110	12/12/2017 09:16:24	0	0	0	
111	12/12/2017 09:17:24	0	0	0	
112	12/12/2017 09:18:24	0	0	0	
113	12/12/2017 09:19:24	0	0	0	
114	12/12/2017 09:20:24	0	0	0	
115	12/12/2017 09:21:24	0	688	3496	
116	12/12/2017 09:22:24	0	0	0	
117	12/12/2017 09:23:24	0	0	0	
118	12/12/2017 09:24:24	0	0	0	
119	12/12/2017 09:25:24	0	0	0	
120	12/12/2017 09:26:24	0	0	0	

			Pine_16464_20180226		
121	12/12/2017 09:27:24	0	0	0	
122	12/12/2017 09:28:24	0	0	0	
123	12/12/2017 09:29:24	0	0	0	
124	12/12/2017 09:30:24	0	0	0	
125	12/12/2017 09:31:24	0	0	0	
126	12/12/2017 09:32:24	0	0	0	
127	12/12/2017 09:33:24	0	0	0	
128	12/12/2017 09:34:24	0	0	0	
129	12/12/2017 09:35:24	0	0	0	
130	12/12/2017 09:36:24	0	0	0	
131	12/12/2017 09:37:24	0	0	0	
132	12/12/2017 09:38:24	0	0	0	
133	12/12/2017 09:39:24	0	0	0	
134	12/12/2017 09:40:24	0	0	0	
135	12/12/2017 09:41:24	0	0	0	
136	12/12/2017 09:42:24	0	0	0	
137	12/12/2017 09:43:24	0	0	0	
138	12/12/2017 09:44:24	0	0	0	
139	12/12/2017 09:45:24	0	0	0	
140	12/12/2017 09:46:24	0	0	0	
141	12/12/2017 09:47:24	0	0	0	
142	12/12/2017 09:48:24	0	0	0	
143	12/12/2017 09:49:24	0	0	0	
144	12/12/2017 09:50:24	0	0	0	
145	12/12/2017 09:51:24	0	0	0	
146	12/12/2017 09:52:24	0	0	0	
147	12/12/2017 09:53:24	0	0	0	
148	12/12/2017 09:54:24	0	0	0	
149	12/12/2017 09:55:24	0	0	0	
150	12/12/2017 09:56:24	0	0	0	
151	12/12/2017 09:57:24	0	0	0	
152	12/12/2017 09:58:24	0	0	0	
153	12/12/2017 09:59:24	0	0	0	
154	12/12/2017 10:00:24	0	0	0	
155	12/12/2017 10:01:24	0	0	0	
156	12/12/2017 10:02:24	0	0	0	
157	12/12/2017 10:03:24	0	0	0	
158	12/12/2017 10:04:24	0	60	438	
159	12/12/2017 10:05:24	0	0	0	
160	12/12/2017 10:06:24	0	0	0	
161	12/12/2017 10:07:24	0	0	0	
162	12/12/2017 10:08:24	0	0	0	
163	12/12/2017 10:09:24	0	0	0	
164	12/12/2017 10:10:24	0	0	0	
165	12/12/2017 10:11:24	0	0	0	
166	12/12/2017 10:12:24	0	0	0	
167	12/12/2017 10:13:24	0	0	0	
168	12/12/2017 10:14:24	0	0	0	

			Pine_16464_20180226		
169	12/12/2017	10:15:24	0	0	0
170	12/12/2017	10:16:24	0	0	0
171	12/12/2017	10:17:24	0	0	0
172	12/12/2017	10:18:24	0	0	0
173	12/12/2017	10:19:24	0	0	0
174	12/12/2017	10:20:24	0	0	0
175	12/12/2017	10:21:24	0	0	0
176	12/12/2017	10:22:24	0	0	0
177	12/12/2017	10:23:24	0	0	0
178	12/12/2017	10:24:24	0	0	0
179	12/12/2017	10:25:24	0	0	0
180	12/12/2017	10:26:24	0	0	0
181	12/12/2017	10:27:24	0	0	0
182	12/12/2017	10:28:24	0	0	0
183	12/12/2017	10:29:24	0	0	0
184	12/12/2017	10:30:24	0	0	0
185	12/12/2017	10:31:24	0	0	0
186	12/12/2017	10:32:24	0	0	0
187	12/12/2017	10:33:24	0	0	0
188	12/12/2017	10:34:24	0	0	0
189	12/12/2017	10:35:24	0	0	0
190	12/12/2017	10:36:24	0	0	0
191	12/12/2017	10:37:24	0	0	0
192	12/12/2017	10:38:24	0	0	0
193	12/12/2017	10:39:24	0	0	0
194	12/12/2017	10:40:24	0	0	0
195	12/12/2017	10:41:24	0	0	0
196	12/12/2017	10:42:24	0	0	0
197	12/12/2017	10:43:24	0	0	0
198	12/12/2017	10:44:24	0	0	0
199	12/12/2017	10:45:24	0	0	0
200	12/12/2017	10:46:24	0	0	0
201	12/12/2017	10:47:24	0	0	0
202	12/12/2017	10:48:24	0	0	0
203	12/12/2017	10:49:24	0	0	0
204	12/12/2017	10:50:24	0	9	44
205	12/12/2017	10:51:24	0	0	0
206	12/12/2017	10:52:24	0	0	0
207	12/12/2017	10:53:24	0	0	0
208	12/12/2017	10:54:24	0	0	0
209	12/12/2017	10:55:24	0	0	0
210	12/12/2017	10:56:24	0	0	0
211	12/12/2017	10:57:24	0	0	0
212	12/12/2017	10:58:24	0	0	0
213	12/12/2017	10:59:24	0	0	0
214	12/12/2017	11:00:24	0	0	0
215	12/12/2017	11:01:24	0	0	0
216	12/12/2017	11:02:24	0	0	0

			Pine_16464_20180226		
217	12/12/2017	11:03:24	0	0	0
218	12/12/2017	11:04:24	0	0	0
219	12/12/2017	11:05:24	0	0	0
220	12/12/2017	11:06:24	0	0	0
221	12/12/2017	11:07:24	0	0	0
222	12/12/2017	11:08:24	0	0	0
223	12/12/2017	11:09:24	0	0	0
224	12/12/2017	11:10:24	0	0	0
225	12/12/2017	11:11:24	0	0	0
226	12/12/2017	11:12:24	0	0	0
227	12/12/2017	11:13:24	0	0	0
228	12/12/2017	11:14:24	0	0	0
229	12/12/2017	11:15:24	0	0	0
230	12/12/2017	11:16:24	0	0	0
231	12/12/2017	11:17:24	0	0	0
232	12/12/2017	11:18:24	0	0	0
233	12/12/2017	11:19:24	0	0	0
234	12/12/2017	11:20:24	0	0	0
235	12/12/2017	11:21:24	0	0	0
236	12/12/2017	11:22:24	0	0	0
237	12/12/2017	11:23:24	0	0	0
238	12/12/2017	11:24:24	0	0	0
239	12/12/2017	11:25:24	0	0	0
240	12/12/2017	11:26:24	0	0	0
241	12/12/2017	11:27:24	0	0	0
242	12/12/2017	11:28:24	0	0	0
243	12/12/2017	11:29:24	0	0	0
244	12/12/2017	11:30:24	0	0	0
245	12/12/2017	11:31:24	0	0	0
246	12/12/2017	11:32:24	0	0	0
247	12/12/2017	11:33:24	0	0	0
248	12/12/2017	11:34:24	0	0	0
249	12/12/2017	11:35:24	0	0	0
250	12/12/2017	11:36:24	0	0	0
251	12/12/2017	11:37:24	0	0	0
252	12/12/2017	11:38:24	0	0	0
253	12/12/2017	11:39:24	0	0	0
254	12/12/2017	11:40:24	0	0	0
255	12/12/2017	11:41:24	0	0	0
256	12/12/2017	11:42:24	0	0	0
257	12/12/2017	11:43:24	0	0	0
258	12/12/2017	11:44:24	0	0	0
259	12/12/2017	11:45:24	0	0	0
260	12/12/2017	11:46:24	0	0	0
261	12/12/2017	11:47:24	0	0	0
262	12/12/2017	11:48:24	0	0	0
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271	12/12/2017	11:57:24	0	0	0
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273	12/12/2017	11:59:24	0	0	0
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277	12/12/2017	12:03:24	0	0	0
278	12/12/2017	12:04:24	0	0	0
279	12/12/2017	12:05:24	0	0	0
280	12/12/2017	12:06:24	0	0	0
281	12/12/2017	12:07:24	0	0	0
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284	12/12/2017	12:10:24	80	117	165
285	12/12/2017	12:11:24	0	14	79
286	12/12/2017	12:12:24	0	0	0
287	12/12/2017	12:13:24	0	0	0
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290	12/12/2017	12:16:24	0	0	1
291	12/12/2017	12:17:24	0	0	0
292	12/12/2017	12:18:24	0	0	0
293	12/12/2017	12:19:24	0	0	0
294	12/12/2017	12:20:24	0	0	0
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296	12/12/2017	12:22:24	0	0	0
297	12/12/2017	12:23:24	0	0	0
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304	12/12/2017	12:30:24	0	0	11
305	12/12/2017	12:31:24	0	0	0
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311	12/12/2017	12:37:24	1	3	6
312	12/12/2017	12:38:24	3	5	11

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314	12/12/2017	12:40:24	2	27	136
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316	12/12/2017	12:42:24	2	7	11
317	12/12/2017	12:43:24	4	8	11
318	12/12/2017	12:44:24	3	6	11
319	12/12/2017	12:45:24	5	7	11
320	12/12/2017	12:46:24	7	10	14
321	12/12/2017	12:47:24	8	11	15
322	12/12/2017	12:48:24	10	13	17
323	12/12/2017	12:49:24	7	11	17
324	12/12/2017	12:50:24	13	17	23
325	12/12/2017	12:51:24	14	20	30
326	12/12/2017	12:52:24	16	20	25
327	12/12/2017	12:53:24	15	17	22
328	12/12/2017	12:54:24	18	22	26
329	12/12/2017	12:55:24	20	28	35
330	12/12/2017	12:56:24	27	29	34
331	12/12/2017	12:57:24	27	30	33
332	12/12/2017	12:58:24	29	37	43
333	12/12/2017	12:59:24	31	36	41
334	12/12/2017	13:00:24	33	36	42
335	12/12/2017	13:01:24	38	43	46
336	12/12/2017	13:02:24	42	44	47
337	12/12/2017	13:03:24	45	52	58
338	12/12/2017	13:04:24	53	55	58
339	12/12/2017	13:05:24	55	58	70
340	12/12/2017	13:06:24	57	62	66
341	12/12/2017	13:07:24	62	66	70
342	12/12/2017	13:08:24	66	68	72
343	12/12/2017	13:09:24	70	73	77
344	12/12/2017	13:10:24	73	77	83
345	12/12/2017	13:11:24	81	84	88
346	12/12/2017	13:12:24	83	87	93
347	12/12/2017	13:13:24	87	91	98
348	12/12/2017	13:14:24	88	91	95
349	12/12/2017	13:15:24	89	92	96
350	12/12/2017	13:16:24	90	94	103
351	12/12/2017	13:17:24	95	98	104
352	12/12/2017	13:18:24	99	106	113
353	12/12/2017	13:19:24	99	103	107
354	12/12/2017	13:20:24	102	104	115
355	12/12/2017	13:21:24	105	110	116
356	12/12/2017	13:22:24	111	112	114
357	12/12/2017	13:23:24	113	115	119
358	12/12/2017	13:24:24	117	121	130
359	12/12/2017	13:25:24	117	120	124
360	12/12/2017	13:26:24	116	122	130

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362	12/12/2017	13:28:24	125	126	129
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364	12/12/2017	13:30:24	125	127	130
365	12/12/2017	13:31:24	128	132	139
366	12/12/2017	13:32:24	134	137	141
367	12/12/2017	13:33:24	136	138	142
368	12/12/2017	13:34:24	135	137	143
369	12/12/2017	13:35:24	137	138	141
370	12/12/2017	13:36:24	136	140	143
371	12/12/2017	13:37:24	138	143	147
372	12/12/2017	13:38:24	141	144	148
373	12/12/2017	13:39:24	140	144	149
374	12/12/2017	13:40:24	144	147	156
375	12/12/2017	13:41:24	145	157	199
376	12/12/2017	13:42:24	153	159	200
377	12/12/2017	13:43:24	154	156	159
378	12/12/2017	13:44:24	155	157	160
379	12/12/2017	13:45:24	154	156	159
380	12/12/2017	13:46:24	155	159	163
381	12/12/2017	13:47:24	159	162	165
382	12/12/2017	13:48:24	161	164	167
383	12/12/2017	13:49:24	166	168	172
384	12/12/2017	13:50:24	166	169	174
385	12/12/2017	13:51:24	167	172	176
386	12/12/2017	13:52:24	170	175	179
387	12/12/2017	13:53:24	168	172	176
388	12/12/2017	13:54:24	171	184	267
389	12/12/2017	13:55:24	170	178	212
390	12/12/2017	13:56:24	168	173	177
391	12/12/2017	13:57:24	172	175	184
392	12/12/2017	13:58:24	174	176	181
393	12/12/2017	13:59:24	174	177	182
394	12/12/2017	14:00:24	181	182	188
395	12/12/2017	14:01:24	182	185	189
396	12/12/2017	14:02:24	183	185	189
397	12/12/2017	14:03:24	183	186	189
398	12/12/2017	14:04:24	186	189	192
399	12/12/2017	14:05:24	186	188	190
400	12/12/2017	14:06:24	181	184	187
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402	12/12/2017	14:08:24	185	188	194
403	12/12/2017	14:09:24	188	191	194
404	12/12/2017	14:10:24	185	189	192
405	12/12/2017	14:11:24	190	194	199
406	12/12/2017	14:12:24	191	193	198
407	12/12/2017	14:13:24	190	193	196
408	12/12/2017	14:14:24	194	195	199

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411	12/12/2017	14:17:24	195	198	202
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413	12/12/2017	14:19:24	198	200	202
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415	12/12/2017	14:21:24	199	202	206
416	12/12/2017	14:22:24	198	203	206
417	12/12/2017	14:23:24	201	204	206
418	12/12/2017	14:24:24	201	206	210
419	12/12/2017	14:25:24	201	204	207
420	12/12/2017	14:26:24	201	204	208
421	12/12/2017	14:27:24	203	206	211
422	12/12/2017	14:28:24	202	205	208
423	12/12/2017	14:29:24	204	207	211
424	12/12/2017	14:30:24	209	212	215
425	12/12/2017	14:31:24	205	209	216
426	12/12/2017	14:32:24	205	207	211
427	12/12/2017	14:33:24	204	206	209
428	12/12/2017	14:34:24	203	207	214
429	12/12/2017	14:35:24	211	216	226
430	12/12/2017	14:36:24	217	223	232
431	12/12/2017	14:37:24	210	213	217
432	12/12/2017	14:38:24	209	212	215
433	12/12/2017	14:39:24	207	210	213
434	12/12/2017	14:40:24	206	210	213
435	12/12/2017	14:41:24	204	224	273
436	12/12/2017	14:42:24	203	213	252
437	12/12/2017	14:43:24	206	211	219
438	12/12/2017	14:44:24	208	214	222
439	12/12/2017	14:45:24	202	206	211
440	12/12/2017	14:46:24	198	203	208
441	12/12/2017	14:47:24	201	205	210
442	12/12/2017	14:48:24	204	228	281
443	12/12/2017	14:49:24	202	211	235
444	12/12/2017	14:50:24	200	204	209
445	12/12/2017	14:51:24	201	209	222
446	12/12/2017	14:52:24	205	215	224
447	12/12/2017	14:53:24	198	208	219
448	12/12/2017	14:54:24	197	201	205
449	12/12/2017	14:55:24	198	201	205
450	12/12/2017	14:56:24	199	209	224
451	12/12/2017	14:57:24	199	205	215
452	12/12/2017	14:58:24	189	193	205
453	12/12/2017	14:59:24	188	193	198
454	12/12/2017	15:00:24	191	194	198
455	12/12/2017	15:01:24	191	196	200
456	12/12/2017	15:02:24	192	194	197

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461	12/12/2017	15:07:24	188	193	200
462	12/12/2017	15:08:24	190	195	210
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465	12/12/2017	15:11:24	193	196	201
466	12/12/2017	15:12:24	191	194	201
467	12/12/2017	15:13:24	193	196	202
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469	12/12/2017	15:15:24	199	202	205
470	12/12/2017	15:16:24	193	196	202
471	12/12/2017	15:17:24	190	196	204
472	12/12/2017	15:18:24	189	193	199
473	12/12/2017	15:19:24	192	195	201
474	12/12/2017	15:20:24	195	199	203
475	12/12/2017	15:21:24	192	197	203
476	12/12/2017	15:22:24	190	193	197
477	12/12/2017	15:23:24	188	192	198
478	12/12/2017	15:24:24	192	194	198
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481	12/12/2017	15:27:24	195	198	206
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483	12/12/2017	15:29:24	189	193	199
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486	12/12/2017	15:32:24	186	191	199
487	12/12/2017	15:33:24	189	191	202
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490	12/12/2017	15:36:24	198	204	211
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492	12/12/2017	15:38:24	195	203	213
493	12/12/2017	15:39:24	190	197	205
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495	12/12/2017	15:41:24	200	204	212
496	12/12/2017	15:42:24	190	195	202
497	12/12/2017	15:43:24	193	197	202
498	12/12/2017	15:44:24	191	196	203
499	12/12/2017	15:45:24	193	199	206
500	12/12/2017	15:46:24	196	201	205
501	12/12/2017	15:47:24	197	203	208
502	12/12/2017	15:48:24	195	203	211
503	12/12/2017	15:49:24	193	201	212
504	12/12/2017	15:50:24	197	202	210

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506	12/12/2017	15:52:24	201	206	210
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508	12/12/2017	15:54:24	201	205	210
509	12/12/2017	15:55:24	202	207	215
510	12/12/2017	15:56:24	201	207	212
511	12/12/2017	15:57:24	205	284	371
512	12/12/2017	15:58:24	333	346	355
513	12/12/2017	15:59:24	308	320	332
514	12/12/2017	16:00:24	298	304	312
515	12/12/2017	16:01:24	301	307	312
516	12/12/2017	16:02:24	308	313	317
517	12/12/2017	16:03:24	311	314	318
518	12/12/2017	16:04:24	303	309	315
519	12/12/2017	16:05:24	286	297	303
520	12/12/2017	16:06:24	276	283	290
521	12/12/2017	16:07:24	249	261	278
522	12/12/2017	16:08:24	220	234	247
523	12/12/2017	16:09:24	194	206	221
524	12/12/2017	16:10:24	166	181	194
525	12/12/2017	16:11:24	139	154	168
526	12/12/2017	16:12:24	115	128	140
527	12/12/2017	16:13:24	89	102	116
528	12/12/2017	16:14:24	66	78	91
529	12/12/2017	16:15:24	44	58	70
530	12/12/2017	16:16:24	44	55	68
531	12/12/2017	16:17:24	30	42	55
532	12/12/2017	16:18:24	39	46	52
533	12/12/2017	16:19:24	50	62	79
534	12/12/2017	16:20:24	74	79	84
535	12/12/2017	16:21:24	80	82	85
536	12/12/2017	16:22:24	84	87	93
537	12/12/2017	16:23:24	88	92	97
538	12/12/2017	16:24:24	95	99	104
539	12/12/2017	16:25:24	102	107	112
540	12/12/2017	16:26:24	110	114	119
541	12/12/2017	16:27:24	118	122	126
542	12/12/2017	16:28:24	125	130	137
543	12/12/2017	16:29:24	133	138	145
544	12/12/2017	16:30:24	142	147	153
545	12/12/2017	16:31:24	152	158	166
546	12/12/2017	16:32:24	161	163	169
547	12/12/2017	16:33:24	159	164	168
548	12/12/2017	16:34:24	163	168	173
549	12/12/2017	16:35:24	167	170	175
550	12/12/2017	16:36:24	168	172	177
551	12/12/2017	16:37:24	168	174	180
552	12/12/2017	16:38:24	178	182	186

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554	12/12/2017	16:40:24	189	191	196
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556	12/12/2017	16:42:24	194	197	202
557	12/12/2017	16:43:24	198	201	207
558	12/12/2017	16:44:24	207	209	212
559	12/12/2017	16:45:24	211	214	220
560	12/12/2017	16:46:24	218	221	223
561	12/12/2017	16:47:24	220	224	229
562	12/12/2017	16:48:24	223	226	229
563	12/12/2017	16:49:24	224	227	236
564	12/12/2017	16:50:24	224	227	230
565	12/12/2017	16:51:24	227	230	237
566	12/12/2017	16:52:24	230	234	241
567	12/12/2017	16:53:24	213	220	231
568	12/12/2017	16:54:24	201	207	215
569	12/12/2017	16:55:24	193	198	205
570	12/12/2017	16:56:24	194	201	206
571	12/12/2017	16:57:24	191	194	198
572	12/12/2017	16:58:24	187	190	196
573	12/12/2017	16:59:24	178	183	190
574	12/12/2017	17:00:24	168	173	181
575	12/12/2017	17:01:24	164	166	169
576	12/12/2017	17:02:24	160	162	165
577	12/12/2017	17:03:24	153	156	161
578	12/12/2017	17:04:24	148	151	155
579	12/12/2017	17:05:24	139	144	150
580	12/12/2017	17:06:24	132	135	140
581	12/12/2017	17:07:24	128	132	137
582	12/12/2017	17:08:24	127	129	133
583	12/12/2017	17:09:24	120	125	129
584	12/12/2017	17:10:24	123	125	129
585	12/12/2017	17:11:24	110	116	127
586	12/12/2017	17:12:24	88	100	113
587	12/12/2017	17:13:24	74	79	87
588	12/12/2017	17:14:24	67	72	81
589	12/12/2017	17:15:24	55	69	94
590	12/12/2017	17:16:24	49	53	58
591	12/12/2017	17:17:24	42	47	51
592	12/12/2017	17:18:24	36	38	43
593	12/12/2017	17:19:24	28	32	38
594	12/12/2017	17:20:24	23	26	31
595	12/12/2017	17:21:24	17	21	26
596	12/12/2017	17:22:24	13	15	20
597	12/12/2017	17:23:24	10	12	15
598	12/12/2017	17:24:24	11	12	15
599	12/12/2017	17:25:24	12	13	15
600	12/12/2017	17:26:24	11	15	18

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602	12/12/2017	17:28:24	17	20	23
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604	12/12/2017	17:30:24	20	25	30
605	12/12/2017	17:31:24	18	22	29
606	12/12/2017	17:32:24	10	15	22
607	12/12/2017	17:33:24	5	10	17
608	12/12/2017	17:34:24	2	25	45
609	12/12/2017	17:35:24	0	0	3
610	12/12/2017	17:36:24	0	0	0
611	12/12/2017	17:37:24	0	0	0
612	12/12/2017	17:38:24	0	0	0
613	12/12/2017	17:39:24	0	0	0
614	12/12/2017	17:40:24	0	0	0
615	12/12/2017	17:41:24	0	0	0
616	12/12/2017	17:42:24	0	0	0
617	12/12/2017	17:43:24	0	0	0
618	12/12/2017	17:44:24	0	0	0
619	12/12/2017	17:45:24	0	0	0
620	12/12/2017	17:46:24	0	0	0
621	12/12/2017	17:47:24	0	0	0
622	12/12/2017	17:48:24	0	0	0
623	12/12/2017	17:49:24	0	0	0
624	12/12/2017	17:50:24	0	0	0
625	12/12/2017	17:51:24	0	0	3
626	12/12/2017	17:52:24	0	0	3
627	12/12/2017	17:53:24	0	0	1
628	12/12/2017	17:54:24	0	3	24
629	12/12/2017	17:55:24	0	6	27
630	12/12/2017	17:56:24	0	0	0
631	12/12/2017	17:57:24	0	0	0
632	12/12/2017	17:58:24	0	0	0
633	12/12/2017	17:59:24	0	0	0
634	12/12/2017	18:00:24	0	0	0
635	12/12/2017	18:01:24	0	0	0
636	12/12/2017	18:02:24	0	0	0
637	12/12/2017	18:03:24	0	0	0
638	12/12/2017	18:04:24	0	0	0
639	12/12/2017	18:05:24	0	0	0
640	12/12/2017	18:06:24	0	0	0
641	12/12/2017	18:07:24	0	0	0
642	12/12/2017	18:08:24	0	0	0
643	12/12/2017	18:09:24	0	0	0
644	12/12/2017	18:10:24	0	0	0
645	12/12/2017	18:11:24	0	0	0
646	12/12/2017	18:12:24	0	0	0
647	12/12/2017	18:13:24	0	0	0
648	12/12/2017	18:14:24	0	0	0

```

Pine_16464_20180226
649      12/12/2017 18:15:24      0      0      0
650      12/12/2017 18:16:24      0      0      0
651      12/12/2017 18:17:24      0      0      0
652      12/12/2017 18:18:24      0      0      0
653      12/12/2017 18:19:24      0      0      0
654      12/12/2017 18:20:24      0      0      0
655      12/12/2017 18:21:24      0      0      0
656      12/12/2017 18:22:24      0      0      0
657      12/12/2017 18:23:24      0      0      0
658      12/12/2017 18:24:24      0      0      0
659      12/12/2017 18:25:24      0      0      0
660      12/12/2017 18:26:24      0      0      0
661      12/12/2017 18:27:24      0      0      0
662      12/12/2017 18:28:24      0      0      0
663      12/12/2017 18:29:24      0      0      0
664      12/12/2017 18:30:24      0      0      0
665      12/12/2017 18:31:24      0      0      0
666      12/12/2017 18:32:24      0      0      0
667      12/12/2017 18:33:24      0      0      0
668      12/12/2017 18:34:24      0      0      0
669      12/12/2017 18:35:24      0      0      0
670      12/12/2017 18:36:24      0      0      0
671      12/12/2017 18:37:24      0      0      0
672      12/12/2017 18:38:24      0      0      0
673      12/12/2017 18:39:24      0      0      0
674      12/12/2017 18:40:24      0      0      0
675      12/12/2017 18:41:24      0      0      0
676      12/12/2017 18:42:24      0      0      0
677      12/12/2017 18:43:24      0      0      0
678      12/12/2017 18:44:24      0      0      0
679      12/12/2017 18:45:24      0      0      0
Peak              333      688      3496
Min               0        0        0
Average           70       75       84

```

```

=====
17/12/13 07:18
*****
Summary
-----
Unit Name      MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver      V1.20B
-----
Running Mode    Hygiene Mode
Measure Type    Min; Avg; Max
Datalog Mode    Continuous
Datalog Type    Auto

```

Diagnostic Mode No
Stop Reason Power Down

Site ID 00000056
User ID 00000001

Begin 12/13/2017 07:18:12
End 12/13/2017 20:06:52
Sample Period(s) 60
Number of Records 768

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)
001	12/13/2017 07:19:12	0	0	0
002	12/13/2017 07:20:12	0	0	0
003	12/13/2017 07:21:12	0	0	0
004	12/13/2017 07:22:12	0	0	0
005	12/13/2017 07:23:12	0	0	0
006	12/13/2017 07:24:12	0	0	0
007	12/13/2017 07:25:12	0	0	0
008	12/13/2017 07:26:12	0	0	0
009	12/13/2017 07:27:12	0	0	0
010	12/13/2017 07:28:12	0	0	0
011	12/13/2017 07:29:12	0	0	0
012	12/13/2017 07:30:12	0	0	0
013	12/13/2017 07:31:12	0	0	0
014	12/13/2017 07:32:12	0	0	0
015	12/13/2017 07:33:12	0	0	0
016	12/13/2017 07:34:12	0	0	0
017	12/13/2017 07:35:12	0	0	0
018	12/13/2017 07:36:12	0	0	0
019	12/13/2017 07:37:12	0	0	0

			Pine_16464_20180226		
020	12/13/2017	07:38:12	0	0	0
021	12/13/2017	07:39:12	0	0	0
022	12/13/2017	07:40:12	0	0	0
023	12/13/2017	07:41:12	0	0	0
024	12/13/2017	07:42:12	0	0	0
025	12/13/2017	07:43:12	0	0	0
026	12/13/2017	07:44:12	0	0	0
027	12/13/2017	07:45:12	0	0	0
028	12/13/2017	07:46:12	0	0	0
029	12/13/2017	07:47:12	0	0	0
030	12/13/2017	07:48:12	0	0	0
031	12/13/2017	07:49:12	0	0	0
032	12/13/2017	07:50:12	0	0	0
033	12/13/2017	07:51:12	0	0	0
034	12/13/2017	07:52:12	0	0	0
035	12/13/2017	07:53:12	0	0	0
036	12/13/2017	07:54:12	0	0	0
037	12/13/2017	07:55:12	0	0	0
038	12/13/2017	07:56:12	0	0	0
039	12/13/2017	07:57:12	0	0	0
040	12/13/2017	07:58:12	0	0	0
041	12/13/2017	07:59:12	0	0	0
042	12/13/2017	08:00:12	0	0	0
043	12/13/2017	08:01:12	0	0	0
044	12/13/2017	08:02:12	0	0	0
045	12/13/2017	08:03:12	0	0	0
046	12/13/2017	08:04:12	0	0	0
047	12/13/2017	08:05:12	0	0	0
048	12/13/2017	08:06:12	0	0	0
049	12/13/2017	08:07:12	0	0	0
050	12/13/2017	08:08:12	0	0	0
051	12/13/2017	08:09:12	0	0	0
052	12/13/2017	08:10:12	0	0	0
053	12/13/2017	08:11:12	0	0	0
054	12/13/2017	08:12:12	0	0	0
055	12/13/2017	08:13:12	0	0	0
056	12/13/2017	08:14:12	0	0	0
057	12/13/2017	08:15:12	0	0	0
058	12/13/2017	08:16:12	0	0	0
059	12/13/2017	08:17:12	0	0	0
060	12/13/2017	08:18:12	0	0	0
061	12/13/2017	08:19:12	0	0	0
062	12/13/2017	08:20:12	0	0	0
063	12/13/2017	08:21:12	0	0	0
064	12/13/2017	08:22:12	0	0	0
065	12/13/2017	08:23:12	0	0	0
066	12/13/2017	08:24:12	0	0	0
067	12/13/2017	08:25:12	0	0	0

			Pine_16464_20180226		
068	12/13/2017	08:26:12	0	0	0
069	12/13/2017	08:27:12	0	0	0
070	12/13/2017	08:28:12	0	0	0
071	12/13/2017	08:29:12	0	0	0
072	12/13/2017	08:30:12	0	0	0
073	12/13/2017	08:31:12	0	0	0
074	12/13/2017	08:32:12	0	0	0
075	12/13/2017	08:33:12	0	0	0
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077	12/13/2017	08:35:12	0	0	0
078	12/13/2017	08:36:12	0	0	0
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082	12/13/2017	08:40:12	0	0	0
083	12/13/2017	08:41:12	0	0	0
084	12/13/2017	08:42:12	0	0	0
085	12/13/2017	08:43:12	0	0	0
086	12/13/2017	08:44:12	0	0	0
087	12/13/2017	08:45:12	0	0	0
088	12/13/2017	08:46:12	0	0	0
089	12/13/2017	08:47:12	0	0	0
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097	12/13/2017	08:55:12	0	0	0
098	12/13/2017	08:56:12	0	0	0
099	12/13/2017	08:57:12	0	0	0
100	12/13/2017	08:58:12	0	0	0
101	12/13/2017	08:59:12	0	0	0
102	12/13/2017	09:00:12	0	0	0
103	12/13/2017	09:01:12	0	0	0
104	12/13/2017	09:02:12	0	0	0
105	12/13/2017	09:03:12	0	0	0
106	12/13/2017	09:04:12	0	0	0
107	12/13/2017	09:05:12	0	0	0
108	12/13/2017	09:06:12	0	0	0
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111	12/13/2017	09:09:12	0	0	0
112	12/13/2017	09:10:12	0	0	0
113	12/13/2017	09:11:12	0	0	0
114	12/13/2017	09:12:12	0	0	0
115	12/13/2017	09:13:12	0	0	0

		Pine_16464_20180226			
116	12/13/2017 09:14:12	0	0	0	
117	12/13/2017 09:15:12	0	0	0	
118	12/13/2017 09:16:12	0	0	0	
119	12/13/2017 09:17:12	0	0	0	
120	12/13/2017 09:18:12	0	0	0	
121	12/13/2017 09:19:12	0	0	0	
122	12/13/2017 09:20:12	0	0	0	
123	12/13/2017 09:21:12	0	0	0	
124	12/13/2017 09:22:12	0	0	0	
125	12/13/2017 09:23:12	0	0	0	
126	12/13/2017 09:24:12	0	0	0	
127	12/13/2017 09:25:12	0	0	0	
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131	12/13/2017 09:29:12	0	0	0	
132	12/13/2017 09:30:12	0	0	0	
133	12/13/2017 09:31:12	0	0	0	
134	12/13/2017 09:32:12	0	0	0	
135	12/13/2017 09:33:12	0	0	0	
136	12/13/2017 09:34:12	0	0	0	
137	12/13/2017 09:35:12	0	0	0	
138	12/13/2017 09:36:12	0	0	0	
139	12/13/2017 09:37:12	0	0	0	
140	12/13/2017 09:38:12	0	0	0	
141	12/13/2017 09:39:12	0	0	0	
142	12/13/2017 09:40:12	0	0	0	
143	12/13/2017 09:41:12	0	0	0	
144	12/13/2017 09:42:12	0	0	0	
145	12/13/2017 09:43:12	0	0	0	
146	12/13/2017 09:44:12	0	0	0	
147	12/13/2017 09:45:12	0	0	0	
148	12/13/2017 09:46:12	0	0	0	
149	12/13/2017 09:47:12	0	0	0	
150	12/13/2017 09:48:12	0	0	0	
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156	12/13/2017 09:54:12	0	0	0	
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159	12/13/2017 09:57:12	0	0	0	
160	12/13/2017 09:58:12	0	0	0	
161	12/13/2017 09:59:12	0	0	0	
162	12/13/2017 10:00:12	0	0	0	
163	12/13/2017 10:01:12	0	0	0	

			Pine_16464_20180226		
164	12/13/2017	10:02:12	0	0	0
165	12/13/2017	10:03:12	0	0	0
166	12/13/2017	10:04:12	0	0	0
167	12/13/2017	10:05:12	0	0	0
168	12/13/2017	10:06:12	0	0	0
169	12/13/2017	10:07:12	0	0	0
170	12/13/2017	10:08:12	0	0	0
171	12/13/2017	10:09:12	0	0	0
172	12/13/2017	10:10:12	0	0	0
173	12/13/2017	10:11:12	0	0	0
174	12/13/2017	10:12:12	0	0	0
175	12/13/2017	10:13:12	0	0	0
176	12/13/2017	10:14:12	0	0	0
177	12/13/2017	10:15:12	0	0	0
178	12/13/2017	10:16:12	0	0	0
179	12/13/2017	10:17:12	0	0	0
180	12/13/2017	10:18:12	0	0	0
181	12/13/2017	10:19:12	0	0	0
182	12/13/2017	10:20:12	0	0	0
183	12/13/2017	10:21:12	0	0	0
184	12/13/2017	10:22:12	0	0	0
185	12/13/2017	10:23:12	0	0	0
186	12/13/2017	10:24:12	0	0	0
187	12/13/2017	10:25:12	0	0	0
188	12/13/2017	10:26:12	0	0	0
189	12/13/2017	10:27:12	0	0	0
190	12/13/2017	10:28:12	0	0	0
191	12/13/2017	10:29:12	0	0	0
192	12/13/2017	10:30:12	0	0	0
193	12/13/2017	10:31:12	0	0	0
194	12/13/2017	10:32:12	0	0	0
195	12/13/2017	10:33:12	0	0	0
196	12/13/2017	10:34:12	0	0	0
197	12/13/2017	10:35:12	0	0	0
198	12/13/2017	10:36:12	0	0	0
199	12/13/2017	10:37:12	0	0	0
200	12/13/2017	10:38:12	0	0	0
201	12/13/2017	10:39:12	0	0	0
202	12/13/2017	10:40:12	0	0	0
203	12/13/2017	10:41:12	0	0	0
204	12/13/2017	10:42:12	0	0	0
205	12/13/2017	10:43:12	0	0	0
206	12/13/2017	10:44:12	0	0	0
207	12/13/2017	10:45:12	0	0	0
208	12/13/2017	10:46:12	0	0	0
209	12/13/2017	10:47:12	0	0	0
210	12/13/2017	10:48:12	0	0	0
211	12/13/2017	10:49:12	0	0	0

			Pine_16464_20180226		
212	12/13/2017	10:50:12	0	0	0
213	12/13/2017	10:51:12	0	0	0
214	12/13/2017	10:52:12	0	0	0
215	12/13/2017	10:53:12	0	0	0
216	12/13/2017	10:54:12	0	0	0
217	12/13/2017	10:55:12	0	0	0
218	12/13/2017	10:56:12	0	0	0
219	12/13/2017	10:57:12	0	0	0
220	12/13/2017	10:58:12	0	0	0
221	12/13/2017	10:59:12	0	0	0
222	12/13/2017	11:00:12	0	0	0
223	12/13/2017	11:01:12	0	0	0
224	12/13/2017	11:02:12	0	0	0
225	12/13/2017	11:03:12	0	0	0
226	12/13/2017	11:04:12	0	0	0
227	12/13/2017	11:05:12	0	0	0
228	12/13/2017	11:06:12	0	0	0
229	12/13/2017	11:07:12	0	0	0
230	12/13/2017	11:08:12	0	0	0
231	12/13/2017	11:09:12	0	0	0
232	12/13/2017	11:10:12	0	0	0
233	12/13/2017	11:11:12	0	0	0
234	12/13/2017	11:12:12	0	0	0
235	12/13/2017	11:13:12	0	0	0
236	12/13/2017	11:14:12	0	0	0
237	12/13/2017	11:15:12	0	0	0
238	12/13/2017	11:16:12	0	0	0
239	12/13/2017	11:17:12	0	0	0
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241	12/13/2017	11:19:12	0	0	0
242	12/13/2017	11:20:12	0	0	0
243	12/13/2017	11:21:12	0	0	0
244	12/13/2017	11:22:12	0	0	0
245	12/13/2017	11:23:12	0	0	0
246	12/13/2017	11:24:12	0	0	0
247	12/13/2017	11:25:12	0	0	0
248	12/13/2017	11:26:12	0	0	0
249	12/13/2017	11:27:12	0	0	0
250	12/13/2017	11:28:12	0	0	0
251	12/13/2017	11:29:12	0	0	0
252	12/13/2017	11:30:12	0	0	0
253	12/13/2017	11:31:12	0	0	0
254	12/13/2017	11:32:12	0	0	0
255	12/13/2017	11:33:12	0	0	0
256	12/13/2017	11:34:12	0	0	0
257	12/13/2017	11:35:12	0	0	0
258	12/13/2017	11:36:12	0	0	0
259	12/13/2017	11:37:12	0	0	0

			Pine_16464_20180226		
260	12/13/2017	11:38:12	0	0	0
261	12/13/2017	11:39:12	0	0	0
262	12/13/2017	11:40:12	0	0	0
263	12/13/2017	11:41:12	0	0	0
264	12/13/2017	11:42:12	0	0	0
265	12/13/2017	11:43:12	0	0	0
266	12/13/2017	11:44:12	0	0	0
267	12/13/2017	11:45:12	0	0	0
268	12/13/2017	11:46:12	0	0	0
269	12/13/2017	11:47:12	0	0	0
270	12/13/2017	11:48:12	0	0	0
271	12/13/2017	11:49:12	0	0	0
272	12/13/2017	11:50:12	0	0	0
273	12/13/2017	11:51:12	0	0	0
274	12/13/2017	11:52:12	0	0	0
275	12/13/2017	11:53:12	0	0	0
276	12/13/2017	11:54:12	0	0	0
277	12/13/2017	11:55:12	0	0	0
278	12/13/2017	11:56:12	0	0	0
279	12/13/2017	11:57:12	0	0	0
280	12/13/2017	11:58:12	0	0	0
281	12/13/2017	11:59:12	0	0	0
282	12/13/2017	12:00:12	0	0	0
283	12/13/2017	12:01:12	0	0	0
284	12/13/2017	12:02:12	0	0	0
285	12/13/2017	12:03:12	0	0	0
286	12/13/2017	12:04:12	0	0	0
287	12/13/2017	12:05:12	0	0	0
288	12/13/2017	12:06:12	0	0	0
289	12/13/2017	12:07:12	0	0	5
290	12/13/2017	12:08:12	0	1	5
291	12/13/2017	12:09:12	0	4	10
292	12/13/2017	12:10:12	4	9	15
293	12/13/2017	12:11:12	0	8	16
294	12/13/2017	12:12:12	8	14	24
295	12/13/2017	12:13:12	11	21	49
296	12/13/2017	12:14:12	16	20	27
297	12/13/2017	12:15:12	17	24	34
298	12/13/2017	12:16:12	29	32	38
299	12/13/2017	12:17:12	29	33	41
300	12/13/2017	12:18:12	30	46	76
301	12/13/2017	12:19:12	37	42	47
302	12/13/2017	12:20:12	39	62	108
303	12/13/2017	12:21:12	51	80	187
304	12/13/2017	12:22:12	46	52	60
305	12/13/2017	12:23:12	49	54	65
306	12/13/2017	12:24:12	52	58	65
307	12/13/2017	12:25:12	57	63	74

			Pine_16464_20180226		
308	12/13/2017	12:26:12	62	72	130
309	12/13/2017	12:27:12	67	75	95
310	12/13/2017	12:28:12	68	73	80
311	12/13/2017	12:29:12	68	76	86
312	12/13/2017	12:30:12	77	83	89
313	12/13/2017	12:31:12	82	86	93
314	12/13/2017	12:32:12	85	92	97
315	12/13/2017	12:33:12	85	91	100
316	12/13/2017	12:34:12	91	145	312
317	12/13/2017	12:35:12	94	123	162
318	12/13/2017	12:36:12	105	109	115
319	12/13/2017	12:37:12	99	103	111
320	12/13/2017	12:38:12	99	110	119
321	12/13/2017	12:39:12	102	106	110
322	12/13/2017	12:40:12	109	113	120
323	12/13/2017	12:41:12	108	112	118
324	12/13/2017	12:42:12	106	115	130
325	12/13/2017	12:43:12	100	106	115
326	12/13/2017	12:44:12	102	106	112
327	12/13/2017	12:45:12	93	102	110
328	12/13/2017	12:46:12	89	99	107
329	12/13/2017	12:47:12	101	108	116
330	12/13/2017	12:48:12	103	109	117
331	12/13/2017	12:49:12	105	111	117
332	12/13/2017	12:50:12	109	127	233
333	12/13/2017	12:51:12	111	118	124
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555	12/13/2017	16:33:12	712	732	750
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558	12/13/2017	16:36:12	668	705	759
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560	12/13/2017	16:38:12	586	593	605
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571	12/13/2017	16:49:12	995	1010	1024
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652	12/13/2017	18:10:12	1646	1672	1688
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695	12/13/2017	18:53:12	1543	1547	1553
696	12/13/2017	18:54:12	1532	1537	1546
697	12/13/2017	18:55:12	1525	1528	1533
698	12/13/2017	18:56:12	1518	1522	1527
699	12/13/2017	18:57:12	1507	1514	1519
700	12/13/2017	18:58:12	1498	1502	1509
701	12/13/2017	18:59:12	1490	1494	1499
702	12/13/2017	19:00:12	1478	1483	1491
703	12/13/2017	19:01:12	1467	1471	1478
704	12/13/2017	19:02:12	1457	1463	1469
705	12/13/2017	19:03:12	1447	1456	1462
706	12/13/2017	19:04:12	1430	1440	1449
707	12/13/2017	19:05:12	1381	1411	1429
708	12/13/2017	19:06:12	1332	1357	1385
709	12/13/2017	19:07:12	1318	1380	1423
710	12/13/2017	19:08:12	1359	1362	1368
711	12/13/2017	19:09:12	1356	1362	1368
712	12/13/2017	19:10:12	1341	1349	1357
713	12/13/2017	19:11:12	1329	1336	1346
714	12/13/2017	19:12:12	1317	1324	1331
715	12/13/2017	19:13:12	1306	1313	1318
716	12/13/2017	19:14:12	1296	1302	1310
717	12/13/2017	19:15:12	1289	1292	1299
718	12/13/2017	19:16:12	1281	1285	1289
719	12/13/2017	19:17:12	1268	1275	1284
720	12/13/2017	19:18:12	1261	1266	1269
721	12/13/2017	19:19:12	1251	1254	1261
722	12/13/2017	19:20:12	1240	1245	1250
723	12/13/2017	19:21:12	1227	1233	1240
724	12/13/2017	19:22:12	1224	1226	1231
725	12/13/2017	19:23:12	1216	1220	1226
726	12/13/2017	19:24:12	1210	1212	1215
727	12/13/2017	19:25:12	1199	1205	1209
728	12/13/2017	19:26:12	1195	1197	1201
729	12/13/2017	19:27:12	1186	1190	1197
730	12/13/2017	19:28:12	1175	1182	1189
731	12/13/2017	19:29:12	1170	1176	1181
732	12/13/2017	19:30:12	1159	1165	1171
733	12/13/2017	19:31:12	1114	1142	1160
734	12/13/2017	19:32:12	1094	1112	1131
735	12/13/2017	19:33:12	1049	1097	1127
736	12/13/2017	19:34:12	1097	1102	1106
737	12/13/2017	19:35:12	1097	1100	1105
738	12/13/2017	19:36:12	1082	1089	1097
739	12/13/2017	19:37:12	1075	1078	1085

			Pine_16464_20180226		
740	12/13/2017	19:38:12	1061	1071	1077
741	12/13/2017	19:39:12	1056	1059	1064
742	12/13/2017	19:40:12	1048	1053	1058
743	12/13/2017	19:41:12	1037	1043	1048
744	12/13/2017	19:42:12	1029	1033	1040
745	12/13/2017	19:43:12	1023	1026	1030
746	12/13/2017	19:44:12	1015	1021	1029
747	12/13/2017	19:45:12	1009	1012	1017
748	12/13/2017	19:46:12	1002	1005	1010
749	12/13/2017	19:47:12	994	997	1003
750	12/13/2017	19:48:12	987	991	997
751	12/13/2017	19:49:12	977	982	990
752	12/13/2017	19:50:12	970	976	981
753	12/13/2017	19:51:12	965	970	973
754	12/13/2017	19:52:12	960	963	968
755	12/13/2017	19:53:12	956	959	963
756	12/13/2017	19:54:12	950	953	959
757	12/13/2017	19:55:12	948	951	956
758	12/13/2017	19:56:12	946	948	952
759	12/13/2017	19:57:12	936	944	949
760	12/13/2017	19:58:12	903	924	937
761	12/13/2017	19:59:12	861	886	904
762	12/13/2017	20:00:12	853	877	912
763	12/13/2017	20:01:12	882	886	907
764	12/13/2017	20:02:12	878	884	888
765	12/13/2017	20:03:12	869	874	882
766	12/13/2017	20:04:12	861	866	872
767	12/13/2017	20:05:12	853	859	863
768	12/13/2017	20:06:12	75	520	854
Peak		1729 1731	1972		
Min		0 0	0		
Average		431 440	455		

=====

17/12/14 07:30

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Pine_16464_20180226

Site ID 00000056

User ID 00000001

Begin 12/14/2017 07:30:51

End 12/14/2017 16:15:07

Sample Period(s) 60

Number of Records 524

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

TWA Alarm 100000

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Peak N/A

Min N/A

Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	12/14/2017 07:31:51	0	0	0	0
002	12/14/2017 07:32:51	0	0	0	0
003	12/14/2017 07:33:51	0	17	263	263
004	12/14/2017 07:34:51	0	0	0	0
005	12/14/2017 07:35:51	0	0	0	0
006	12/14/2017 07:36:51	0	0	0	0
007	12/14/2017 07:37:51	0	0	0	0
008	12/14/2017 07:38:51	0	0	0	0
009	12/14/2017 07:39:51	0	0	0	0
010	12/14/2017 07:40:51	0	0	0	0
011	12/14/2017 07:41:51	0	0	0	0
012	12/14/2017 07:42:51	0	0	0	0
013	12/14/2017 07:43:51	0	0	0	0
014	12/14/2017 07:44:51	0	0	0	0
015	12/14/2017 07:45:51	0	0	0	0
016	12/14/2017 07:46:51	0	0	0	0
017	12/14/2017 07:47:51	0	0	0	0
018	12/14/2017 07:48:51	0	0	0	0
019	12/14/2017 07:49:51	0	0	0	0
020	12/14/2017 07:50:51	0	0	0	0
021	12/14/2017 07:51:51	0	0	0	0

Pine_16464_20180226

022	12/14/2017 07:52:51	0	0	0
023	12/14/2017 07:53:51	0	0	0
024	12/14/2017 07:54:51	0	0	0
025	12/14/2017 07:55:51	0	0	0
026	12/14/2017 07:56:51	0	0	0
027	12/14/2017 07:57:51	0	0	0
028	12/14/2017 07:58:51	0	0	0
029	12/14/2017 07:59:51	0	0	0
030	12/14/2017 08:00:51	0	0	0
031	12/14/2017 08:01:51	0	0	0
032	12/14/2017 08:02:51	0	0	0
033	12/14/2017 08:03:51	0	0	0
034	12/14/2017 08:04:51	0	0	0
035	12/14/2017 08:05:51	0	0	0
036	12/14/2017 08:06:51	0	0	0
037	12/14/2017 08:07:51	0	0	0
038	12/14/2017 08:08:51	0	0	0
039	12/14/2017 08:09:51	0	0	0
040	12/14/2017 08:10:51	0	0	0
041	12/14/2017 08:11:51	0	0	0
042	12/14/2017 08:12:51	0	0	0
043	12/14/2017 08:13:51	0	0	0
044	12/14/2017 08:14:51	0	0	0
045	12/14/2017 08:15:51	0	0	0
046	12/14/2017 08:16:51	0	0	0
047	12/14/2017 08:17:51	0	0	0
048	12/14/2017 08:18:51	0	0	0
049	12/14/2017 08:19:51	0	0	0
050	12/14/2017 08:20:51	0	0	0
051	12/14/2017 08:21:51	0	0	0
052	12/14/2017 08:22:51	0	0	0
053	12/14/2017 08:23:51	0	0	0
054	12/14/2017 08:24:51	0	0	0
055	12/14/2017 08:25:51	0	0	0
056	12/14/2017 08:26:51	0	0	0
057	12/14/2017 08:27:51	0	0	0
058	12/14/2017 08:28:51	0	0	0
059	12/14/2017 08:29:51	0	0	0
060	12/14/2017 08:30:51	0	0	0
061	12/14/2017 08:31:51	0	0	0
062	12/14/2017 08:32:51	0	0	0
063	12/14/2017 08:33:51	0	0	0
064	12/14/2017 08:34:51	0	0	0
065	12/14/2017 08:35:51	0	0	0
066	12/14/2017 08:36:51	0	0	0
067	12/14/2017 08:37:51	0	0	0
068	12/14/2017 08:38:51	0	0	0
069	12/14/2017 08:39:51	0	0	0

Pine_16464_20180226

070	12/14/2017 08:40:51	0	0	0
071	12/14/2017 08:41:51	0	0	0
072	12/14/2017 08:42:51	0	0	0
073	12/14/2017 08:43:51	0	0	0
074	12/14/2017 08:44:51	0	0	0
075	12/14/2017 08:45:51	0	0	0
076	12/14/2017 08:46:51	0	0	0
077	12/14/2017 08:47:51	0	0	0
078	12/14/2017 08:48:51	0	0	0
079	12/14/2017 08:49:51	0	0	0
080	12/14/2017 08:50:51	0	0	0
081	12/14/2017 08:51:51	0	0	0
082	12/14/2017 08:52:51	0	0	0
083	12/14/2017 08:53:51	0	0	0
084	12/14/2017 08:54:51	0	0	0
085	12/14/2017 08:55:51	0	0	0
086	12/14/2017 08:56:51	0	0	0
087	12/14/2017 08:57:51	0	0	0
088	12/14/2017 08:58:51	0	0	0
089	12/14/2017 08:59:51	0	0	0
090	12/14/2017 09:00:51	0	0	0
091	12/14/2017 09:01:51	0	0	0
092	12/14/2017 09:02:51	0	0	0
093	12/14/2017 09:03:51	0	0	0
094	12/14/2017 09:04:51	0	0	0
095	12/14/2017 09:05:51	0	0	0
096	12/14/2017 09:06:51	0	0	0
097	12/14/2017 09:07:51	0	0	0
098	12/14/2017 09:08:51	0	0	0
099	12/14/2017 09:09:51	0	0	0
100	12/14/2017 09:10:51	0	0	0
101	12/14/2017 09:11:51	0	0	0
102	12/14/2017 09:12:51	0	0	0
103	12/14/2017 09:13:51	0	0	0
104	12/14/2017 09:14:51	0	0	0
105	12/14/2017 09:15:51	0	0	0
106	12/14/2017 09:16:51	0	0	0
107	12/14/2017 09:17:51	0	0	0
108	12/14/2017 09:18:51	0	0	0
109	12/14/2017 09:19:51	0	0	0
110	12/14/2017 09:20:51	0	0	0
111	12/14/2017 09:21:51	0	0	0
112	12/14/2017 09:22:51	0	0	0
113	12/14/2017 09:23:51	0	0	0
114	12/14/2017 09:24:51	0	0	0
115	12/14/2017 09:25:51	0	0	0
116	12/14/2017 09:26:51	0	0	0
117	12/14/2017 09:27:51	0	0	0

			Pine_16464_20180226		
118	12/14/2017 09:28:51	0	0	0	
119	12/14/2017 09:29:51	0	0	0	
120	12/14/2017 09:30:51	0	0	0	
121	12/14/2017 09:31:51	0	0	0	
122	12/14/2017 09:32:51	0	0	0	
123	12/14/2017 09:33:51	0	0	0	
124	12/14/2017 09:34:51	0	0	0	
125	12/14/2017 09:35:51	0	0	0	
126	12/14/2017 09:36:51	0	0	0	
127	12/14/2017 09:37:51	0	0	0	
128	12/14/2017 09:38:51	0	0	0	
129	12/14/2017 09:39:51	0	0	0	
130	12/14/2017 09:40:51	0	0	0	
131	12/14/2017 09:41:51	0	0	0	
132	12/14/2017 09:42:51	0	0	0	
133	12/14/2017 09:43:51	0	0	0	
134	12/14/2017 09:44:51	0	0	0	
135	12/14/2017 09:45:51	0	0	0	
136	12/14/2017 09:46:51	0	0	0	
137	12/14/2017 09:47:51	0	0	0	
138	12/14/2017 09:48:51	0	2	30	
139	12/14/2017 09:49:51	0	0	0	
140	12/14/2017 09:50:51	0	0	0	
141	12/14/2017 09:51:51	0	0	0	
142	12/14/2017 09:52:51	0	0	0	
143	12/14/2017 09:53:51	0	0	0	
144	12/14/2017 09:54:51	0	0	0	
145	12/14/2017 09:55:51	0	0	0	
146	12/14/2017 09:56:51	0	0	0	
147	12/14/2017 09:57:51	0	0	0	
148	12/14/2017 09:58:51	0	0	0	
149	12/14/2017 09:59:51	0	0	0	
150	12/14/2017 10:00:51	0	0	0	
151	12/14/2017 10:01:51	0	0	0	
152	12/14/2017 10:02:51	0	0	0	
153	12/14/2017 10:03:51	0	0	4	
154	12/14/2017 10:04:51	0	0	0	
155	12/14/2017 10:05:51	0	0	0	
156	12/14/2017 10:06:51	0	0	0	
157	12/14/2017 10:07:51	0	0	0	
158	12/14/2017 10:08:51	0	0	0	
159	12/14/2017 10:09:51	0	0	0	
160	12/14/2017 10:10:51	0	0	0	
161	12/14/2017 10:11:51	0	0	0	
162	12/14/2017 10:12:51	0	0	0	
163	12/14/2017 10:13:51	0	0	0	
164	12/14/2017 10:14:51	0	0	0	
165	12/14/2017 10:15:51	0	0	0	

			Pine_16464_20180226		
166	12/14/2017	10:16:51	0	0	0
167	12/14/2017	10:17:51	0	0	0
168	12/14/2017	10:18:51	0	0	0
169	12/14/2017	10:19:51	0	0	0
170	12/14/2017	10:20:51	0	0	0
171	12/14/2017	10:21:51	0	0	0
172	12/14/2017	10:22:51	0	0	0
173	12/14/2017	10:23:51	0	6	67
174	12/14/2017	10:24:51	0	0	0
175	12/14/2017	10:25:51	0	0	0
176	12/14/2017	10:26:51	0	0	0
177	12/14/2017	10:27:51	0	0	0
178	12/14/2017	10:28:51	0	0	0
179	12/14/2017	10:29:51	0	0	0
180	12/14/2017	10:30:51	0	16	180
181	12/14/2017	10:31:51	0	0	0
182	12/14/2017	10:32:51	0	0	8
183	12/14/2017	10:33:51	0	0	0
184	12/14/2017	10:34:51	0	0	0
185	12/14/2017	10:35:51	0	0	0
186	12/14/2017	10:36:51	0	0	0
187	12/14/2017	10:37:51	0	0	0
188	12/14/2017	10:38:51	0	0	0
189	12/14/2017	10:39:51	0	0	0
190	12/14/2017	10:40:51	0	0	0
191	12/14/2017	10:41:51	0	0	0
192	12/14/2017	10:42:51	0	0	0
193	12/14/2017	10:43:51	0	0	0
194	12/14/2017	10:44:51	0	0	0
195	12/14/2017	10:45:51	0	0	0
196	12/14/2017	10:46:51	0	0	0
197	12/14/2017	10:47:51	0	0	0
198	12/14/2017	10:48:51	0	0	0
199	12/14/2017	10:49:51	0	2	32
200	12/14/2017	10:50:51	0	0	1
201	12/14/2017	10:51:51	0	0	0
202	12/14/2017	10:52:51	0	0	0
203	12/14/2017	10:53:51	0	0	2
204	12/14/2017	10:54:51	0	3	8
205	12/14/2017	10:55:51	2	5	12
206	12/14/2017	10:56:51	0	3	9
207	12/14/2017	10:57:51	0	2	8
208	12/14/2017	10:58:51	0	3	8
209	12/14/2017	10:59:51	0	3	8
210	12/14/2017	11:00:51	0	4	12
211	12/14/2017	11:01:51	5	26	197
212	12/14/2017	11:02:51	7	11	22
213	12/14/2017	11:03:51	8	12	17

			Pine_16464_20180226		
214	12/14/2017	11:04:51	11	12	15
215	12/14/2017	11:05:51	10	13	19
216	12/14/2017	11:06:51	14	18	21
217	12/14/2017	11:07:51	18	20	24
218	12/14/2017	11:08:51	20	22	25
219	12/14/2017	11:09:51	14	19	26
220	12/14/2017	11:10:51	20	24	29
221	12/14/2017	11:11:51	24	26	29
222	12/14/2017	11:12:51	20	24	29
223	12/14/2017	11:13:51	22	26	30
224	12/14/2017	11:14:51	26	29	37
225	12/14/2017	11:15:51	26	29	32
226	12/14/2017	11:16:51	26	28	30
227	12/14/2017	11:17:51	28	30	33
228	12/14/2017	11:18:51	27	32	39
229	12/14/2017	11:19:51	28	30	34
230	12/14/2017	11:20:51	28	36	43
231	12/14/2017	11:21:51	37	40	45
232	12/14/2017	11:22:51	35	40	45
233	12/14/2017	11:23:51	34	40	45
234	12/14/2017	11:24:51	26	34	46
235	12/14/2017	11:25:51	28	35	40
236	12/14/2017	11:26:51	25	37	45
237	12/14/2017	11:27:51	26	32	37
238	12/14/2017	11:28:51	25	32	38
239	12/14/2017	11:29:51	23	26	31
240	12/14/2017	11:30:51	28	40	96
241	12/14/2017	11:31:51	28	59	183
242	12/14/2017	11:32:51	24	33	44
243	12/14/2017	11:33:51	26	33	40
244	12/14/2017	11:34:51	35	40	50
245	12/14/2017	11:35:51	37	41	47
246	12/14/2017	11:36:51	40	45	49
247	12/14/2017	11:37:51	43	83	223
248	12/14/2017	11:38:51	52	113	418
249	12/14/2017	11:39:51	51	128	436
250	12/14/2017	11:40:51	53	65	130
251	12/14/2017	11:41:51	55	91	220
252	12/14/2017	11:42:51	73	98	177
253	12/14/2017	11:43:51	67	73	94
254	12/14/2017	11:44:51	68	83	122
255	12/14/2017	11:45:51	66	69	74
256	12/14/2017	11:46:51	58	66	71
257	12/14/2017	11:47:51	60	64	71
258	12/14/2017	11:48:51	61	71	101
259	12/14/2017	11:49:51	59	61	64
260	12/14/2017	11:50:51	63	65	69
261	12/14/2017	11:51:51	62	66	73

			Pine_16464_20180226		
262	12/14/2017	11:52:51	58	64	70
263	12/14/2017	11:53:51	53	59	67
264	12/14/2017	11:54:51	51	58	67
265	12/14/2017	11:55:51	51	57	66
266	12/14/2017	11:56:51	47	52	59
267	12/14/2017	11:57:51	45	50	62
268	12/14/2017	11:58:51	45	50	59
269	12/14/2017	11:59:51	44	50	56
270	12/14/2017	12:00:51	43	44	50
271	12/14/2017	12:01:51	30	43	55
272	12/14/2017	12:02:51	24	32	41
273	12/14/2017	12:03:51	21	29	40
274	12/14/2017	12:04:51	23	32	44
275	12/14/2017	12:05:51	17	21	27
276	12/14/2017	12:06:51	20	24	28
277	12/14/2017	12:07:51	16	23	32
278	12/14/2017	12:08:51	11	16	29
279	12/14/2017	12:09:51	12	17	26
280	12/14/2017	12:10:51	7	11	23
281	12/14/2017	12:11:51	0	8	22
282	12/14/2017	12:12:51	0	7	17
283	12/14/2017	12:13:51	0	6	17
284	12/14/2017	12:14:51	3	9	21
285	12/14/2017	12:15:51	4	10	21
286	12/14/2017	12:16:51	0	10	31
287	12/14/2017	12:17:51	0	7	33
288	12/14/2017	12:18:51	5	17	40
289	12/14/2017	12:19:51	0	17	45
290	12/14/2017	12:20:51	0	7	16
291	12/14/2017	12:21:51	1	10	21
292	12/14/2017	12:22:51	5	16	24
293	12/14/2017	12:23:51	5	13	44
294	12/14/2017	12:24:51	7	15	27
295	12/14/2017	12:25:51	11	17	29
296	12/14/2017	12:26:51	16	26	34
297	12/14/2017	12:27:51	21	30	37
298	12/14/2017	12:28:51	18	25	32
299	12/14/2017	12:29:51	18	26	37
300	12/14/2017	12:30:51	19	29	39
301	12/14/2017	12:31:51	28	35	45
302	12/14/2017	12:32:51	35	40	49
303	12/14/2017	12:33:51	30	35	42
304	12/14/2017	12:34:51	28	37	54
305	12/14/2017	12:35:51	32	38	47
306	12/14/2017	12:36:51	31	36	46
307	12/14/2017	12:37:51	24	38	54
308	12/14/2017	12:38:51	25	39	55
309	12/14/2017	12:39:51	29	37	51

			Pine_16464_20180226		
310	12/14/2017	12:40:51	30	41	50
311	12/14/2017	12:41:51	28	41	56
312	12/14/2017	12:42:51	31	43	56
313	12/14/2017	12:43:51	37	44	53
314	12/14/2017	12:44:51	39	54	64
315	12/14/2017	12:45:51	22	32	44
316	12/14/2017	12:46:51	23	34	46
317	12/14/2017	12:47:51	32	38	45
318	12/14/2017	12:48:51	24	35	47
319	12/14/2017	12:49:51	15	30	46
320	12/14/2017	12:50:51	9	31	45
321	12/14/2017	12:51:51	10	18	44
322	12/14/2017	12:52:51	3	20	43
323	12/14/2017	12:53:51	16	32	53
324	12/14/2017	12:54:51	18	32	54
325	12/14/2017	12:55:51	14	34	66
326	12/14/2017	12:56:51	10	19	37
327	12/14/2017	12:57:51	12	27	53
328	12/14/2017	12:58:51	19	29	45
329	12/14/2017	12:59:51	7	21	46
330	12/14/2017	13:00:51	13	27	49
331	12/14/2017	13:01:51	6	19	38
332	12/14/2017	13:02:51	1	17	37
333	12/14/2017	13:03:51	0	7	16
334	12/14/2017	13:04:51	0	3	13
335	12/14/2017	13:05:51	0	12	34
336	12/14/2017	13:06:51	0	2	14
337	12/14/2017	13:07:51	0	8	33
338	12/14/2017	13:08:51	2	16	32
339	12/14/2017	13:09:51	16	24	38
340	12/14/2017	13:10:51	12	33	48
341	12/14/2017	13:11:51	5	21	38
342	12/14/2017	13:12:51	0	9	27
343	12/14/2017	13:13:51	7	22	40
344	12/14/2017	13:14:51	1	14	35
345	12/14/2017	13:15:51	1	13	30
346	12/14/2017	13:16:51	8	20	39
347	12/14/2017	13:17:51	0	7	18
348	12/14/2017	13:18:51	2	11	26
349	12/14/2017	13:19:51	9	21	31
350	12/14/2017	13:20:51	9	25	45
351	12/14/2017	13:21:51	11	23	37
352	12/14/2017	13:22:51	5	21	42
353	12/14/2017	13:23:51	4	22	37
354	12/14/2017	13:24:51	0	13	26
355	12/14/2017	13:25:51	4	16	26
356	12/14/2017	13:26:51	0	6	27
357	12/14/2017	13:27:51	6	19	85

			Pine_16464_20180226		
358	12/14/2017	13:28:51	2	16	32
359	12/14/2017	13:29:51	12	30	52
360	12/14/2017	13:30:51	14	35	71
361	12/14/2017	13:31:51	16	26	45
362	12/14/2017	13:32:51	14	36	48
363	12/14/2017	13:33:51	41	93	241
364	12/14/2017	13:34:51	20	43	80
365	12/14/2017	13:35:51	15	41	87
366	12/14/2017	13:36:51	30	48	79
367	12/14/2017	13:37:51	21	51	90
368	12/14/2017	13:38:51	34	73	195
369	12/14/2017	13:39:51	38	48	74
370	12/14/2017	13:40:51	30	40	76
371	12/14/2017	13:41:51	35	50	98
372	12/14/2017	13:42:51	34	67	156
373	12/14/2017	13:43:51	33	39	45
374	12/14/2017	13:44:51	39	50	72
375	12/14/2017	13:45:51	43	61	94
376	12/14/2017	13:46:51	44	61	96
377	12/14/2017	13:47:51	45	64	88
378	12/14/2017	13:48:51	53	70	101
379	12/14/2017	13:49:51	53	61	77
380	12/14/2017	13:50:51	56	75	94
381	12/14/2017	13:51:51	56	66	77
382	12/14/2017	13:52:51	66	74	86
383	12/14/2017	13:53:51	67	76	92
384	12/14/2017	13:54:51	69	78	127
385	12/14/2017	13:55:51	69	84	122
386	12/14/2017	13:56:51	75	81	103
387	12/14/2017	13:57:51	74	94	114
388	12/14/2017	13:58:51	74	90	102
389	12/14/2017	13:59:51	77	88	108
390	12/14/2017	14:00:51	80	91	126
391	12/14/2017	14:01:51	89	101	120
392	12/14/2017	14:02:51	87	91	106
393	12/14/2017	14:03:51	88	98	120
394	12/14/2017	14:04:51	88	94	112
395	12/14/2017	14:05:51	84	91	102
396	12/14/2017	14:06:51	89	122	278
397	12/14/2017	14:07:51	77	126	302
398	12/14/2017	14:08:51	77	91	109
399	12/14/2017	14:09:51	66	84	95
400	12/14/2017	14:10:51	66	75	85
401	12/14/2017	14:11:51	61	75	89
402	12/14/2017	14:12:51	75	84	100
403	12/14/2017	14:13:51	48	76	95
404	12/14/2017	14:14:51	49	70	95
405	12/14/2017	14:15:51	68	83	96

			Pine_16464_20180226		
406	12/14/2017	14:16:51	61	73	99
407	12/14/2017	14:17:51	47	56	80
408	12/14/2017	14:18:51	39	55	90
409	12/14/2017	14:19:51	39	47	63
410	12/14/2017	14:20:51	41	58	74
411	12/14/2017	14:21:51	35	56	79
412	12/14/2017	14:22:51	47	60	86
413	12/14/2017	14:23:51	48	58	76
414	12/14/2017	14:24:51	47	58	79
415	12/14/2017	14:25:51	37	50	78
416	12/14/2017	14:26:51	45	59	76
417	12/14/2017	14:27:51	42	58	81
418	12/14/2017	14:28:51	30	41	52
419	12/14/2017	14:29:51	38	54	102
420	12/14/2017	14:30:51	41	56	86
421	12/14/2017	14:31:51	37	58	80
422	12/14/2017	14:32:51	39	51	85
423	12/14/2017	14:33:51	38	54	87
424	12/14/2017	14:34:51	43	64	87
425	12/14/2017	14:35:51	34	48	69
426	12/14/2017	14:36:51	36	53	73
427	12/14/2017	14:37:51	32	44	61
428	12/14/2017	14:38:51	33	55	88
429	12/14/2017	14:39:51	35	51	90
430	12/14/2017	14:40:51	18	37	66
431	12/14/2017	14:41:51	32	47	65
432	12/14/2017	14:42:51	24	38	57
433	12/14/2017	14:43:51	35	44	51
434	12/14/2017	14:44:51	34	52	74
435	12/14/2017	14:45:51	41	52	69
436	12/14/2017	14:46:51	46	57	68
437	12/14/2017	14:47:51	47	58	79
438	12/14/2017	14:48:51	44	53	67
439	12/14/2017	14:49:51	45	51	63
440	12/14/2017	14:50:51	41	55	66
441	12/14/2017	14:51:51	54	70	85
442	12/14/2017	14:52:51	55	74	93
443	12/14/2017	14:53:51	57	73	95
444	12/14/2017	14:54:51	52	62	83
445	12/14/2017	14:55:51	53	69	95
446	12/14/2017	14:56:51	54	67	87
447	12/14/2017	14:57:51	64	73	86
448	12/14/2017	14:58:51	46	60	78
449	12/14/2017	14:59:51	59	64	75
450	12/14/2017	15:00:51	61	69	79
451	12/14/2017	15:01:51	60	76	104
452	12/14/2017	15:02:51	59	70	83
453	12/14/2017	15:03:51	57	65	75

			Pine_16464_20180226		
454	12/14/2017	15:04:51	64	75	89
455	12/14/2017	15:05:51	68	88	115
456	12/14/2017	15:06:51	63	78	92
457	12/14/2017	15:07:51	69	91	113
458	12/14/2017	15:08:51	70	82	102
459	12/14/2017	15:09:51	65	77	99
460	12/14/2017	15:10:51	72	79	101
461	12/14/2017	15:11:51	76	91	104
462	12/14/2017	15:12:51	74	84	95
463	12/14/2017	15:13:51	71	86	101
464	12/14/2017	15:14:51	67	75	88
465	12/14/2017	15:15:51	71	82	107
466	12/14/2017	15:16:51	76	84	99
467	12/14/2017	15:17:51	82	103	127
468	12/14/2017	15:18:51	85	97	125
469	12/14/2017	15:19:51	80	91	113
470	12/14/2017	15:20:51	91	103	118
471	12/14/2017	15:21:51	93	100	119
472	12/14/2017	15:22:51	66	89	116
473	12/14/2017	15:23:51	68	83	96
474	12/14/2017	15:24:51	72	86	98
475	12/14/2017	15:25:51	72	84	102
476	12/14/2017	15:26:51	65	81	118
477	12/14/2017	15:27:51	74	131	372
478	12/14/2017	15:28:51	78	96	120
479	12/14/2017	15:29:51	64	84	136
480	12/14/2017	15:30:51	74	86	114
481	12/14/2017	15:31:51	80	98	117
482	12/14/2017	15:32:51	64	80	100
483	12/14/2017	15:33:51	64	81	123
484	12/14/2017	15:34:51	85	103	130
485	12/14/2017	15:35:51	72	82	100
486	12/14/2017	15:36:51	73	89	104
487	12/14/2017	15:37:51	65	82	93
488	12/14/2017	15:38:51	77	82	92
489	12/14/2017	15:39:51	76	88	111
490	12/14/2017	15:40:51	67	79	89
491	12/14/2017	15:41:51	67	90	130
492	12/14/2017	15:42:51	79	93	126
493	12/14/2017	15:43:51	68	91	138
494	12/14/2017	15:44:51	68	78	99
495	12/14/2017	15:45:51	67	78	106
496	12/14/2017	15:46:51	69	85	112
497	12/14/2017	15:47:51	63	77	95
498	12/14/2017	15:48:51	58	64	81
499	12/14/2017	15:49:51	50	65	78
500	12/14/2017	15:50:51	52	70	91
501	12/14/2017	15:51:51	64	88	110

			Pine_16464_20180226		
502	12/14/2017 15:52:51	58	74	101	
503	12/14/2017 15:53:51	50	61	80	
504	12/14/2017 15:54:51	53	70	99	
505	12/14/2017 15:55:51	58	69	82	
506	12/14/2017 15:56:51	63	85	135	
507	12/14/2017 15:57:51	99	120	160	
508	12/14/2017 15:58:51	77	95	114	
509	12/14/2017 15:59:51	82	96	123	
510	12/14/2017 16:00:51	77	92	130	
511	12/14/2017 16:01:51	62	72	89	
512	12/14/2017 16:02:51	67	77	91	
513	12/14/2017 16:03:51	66	77	100	
514	12/14/2017 16:04:51	71	80	101	
515	12/14/2017 16:05:51	70	83	112	
516	12/14/2017 16:06:51	72	161	727	
517	12/14/2017 16:07:51	394	569	762	
518	12/14/2017 16:08:51	262	321	392	
519	12/14/2017 16:09:51	218	235	261	
520	12/14/2017 16:10:51	206	213	220	
521	12/14/2017 16:11:51	187	198	208	
522	12/14/2017 16:12:51	175	180	187	
523	12/14/2017 16:13:51	160	169	178	
524	12/14/2017 16:14:51	161	164	169	
Peak	394	569	762		
Min	0	0	0		
Average	27	35	52		

17/12/15 08:01

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 12/15/2017 08:01:00
End 12/15/2017 12:37:21

Pine_16464_20180226

Sample Period(s) 60
Number of Records 276

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	12/15/2017 08:02:00	0	0	0	0
002	12/15/2017 08:03:00	0	0	0	0
003	12/15/2017 08:04:00	0	0	0	0
004	12/15/2017 08:05:00	0	0	0	0
005	12/15/2017 08:06:00	0	0	0	0
006	12/15/2017 08:07:00	0	0	0	0
007	12/15/2017 08:08:00	0	0	0	0
008	12/15/2017 08:09:00	0	0	0	0
009	12/15/2017 08:10:00	0	115	524	524
010	12/15/2017 08:11:00	546	1150	1668	1668
011	12/15/2017 08:12:00	1685	2249	2760	2760
012	12/15/2017 08:13:00	2770	3043	3262	3262
013	12/15/2017 08:14:00	3215	3650	4340	4340
014	12/15/2017 08:15:00	2987	3751	4164	4164
015	12/15/2017 08:16:00	1941	2302	2997	2997
016	12/15/2017 08:17:00	1409	1663	1933	1933
017	12/15/2017 08:18:00	978	1181	1401	1401
018	12/15/2017 08:19:00	623	792	970	970
019	12/15/2017 08:20:00	311	460	616	616
020	12/15/2017 08:21:00	51	175	306	306
021	12/15/2017 08:22:00	0	5	47	47
022	12/15/2017 08:23:00	0	0	0	0
023	12/15/2017 08:24:00	0	0	0	0
024	12/15/2017 08:25:00	0	0	0	0
025	12/15/2017 08:26:00	0	0	0	0
026	12/15/2017 08:27:00	0	0	0	0
027	12/15/2017 08:28:00	0	0	0	0

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028	12/15/2017 08:29:00	0	0	0
029	12/15/2017 08:30:00	0	0	0
030	12/15/2017 08:31:00	0	0	0
031	12/15/2017 08:32:00	0	0	0
032	12/15/2017 08:33:00	0	0	0
033	12/15/2017 08:34:00	0	0	0
034	12/15/2017 08:35:00	0	0	0
035	12/15/2017 08:36:00	0	0	0
036	12/15/2017 08:37:00	0	0	0
037	12/15/2017 08:38:00	0	0	0
038	12/15/2017 08:39:00	0	0	0
039	12/15/2017 08:40:00	0	0	0
040	12/15/2017 08:41:00	0	0	0
041	12/15/2017 08:42:00	0	0	0
042	12/15/2017 08:43:00	0	0	0
043	12/15/2017 08:44:00	0	0	0
044	12/15/2017 08:45:00	0	0	0
045	12/15/2017 08:46:00	0	0	0
046	12/15/2017 08:47:00	0	0	0
047	12/15/2017 08:48:00	0	0	0
048	12/15/2017 08:49:00	0	0	0
049	12/15/2017 08:50:00	0	0	0
050	12/15/2017 08:51:00	0	0	0
051	12/15/2017 08:52:00	0	0	0
052	12/15/2017 08:53:00	0	0	0
053	12/15/2017 08:54:00	0	0	0
054	12/15/2017 08:55:00	0	0	0
055	12/15/2017 08:56:00	0	0	0
056	12/15/2017 08:57:00	0	0	0
057	12/15/2017 08:58:00	0	0	0
058	12/15/2017 08:59:00	0	0	0
059	12/15/2017 09:00:00	0	0	0
060	12/15/2017 09:01:00	0	0	0
061	12/15/2017 09:02:00	0	0	0
062	12/15/2017 09:03:00	0	0	0
063	12/15/2017 09:04:00	0	0	0
064	12/15/2017 09:05:00	0	0	0
065	12/15/2017 09:06:00	0	0	0
066	12/15/2017 09:07:00	0	0	0
067	12/15/2017 09:08:00	0	0	0
068	12/15/2017 09:09:00	0	0	0
069	12/15/2017 09:10:00	0	0	0
070	12/15/2017 09:11:00	0	0	0
071	12/15/2017 09:12:00	0	0	0
072	12/15/2017 09:13:00	0	0	0
073	12/15/2017 09:14:00	0	0	0
074	12/15/2017 09:15:00	0	0	0
075	12/15/2017 09:16:00	0	0	0

			Pine_16464_20180226		
076	12/15/2017 09:17:00	0	0	6	
077	12/15/2017 09:18:00	0	0	0	
078	12/15/2017 09:19:00	0	0	0	
079	12/15/2017 09:20:00	0	0	0	
080	12/15/2017 09:21:00	0	0	0	
081	12/15/2017 09:22:00	0	0	0	
082	12/15/2017 09:23:00	0	0	0	
083	12/15/2017 09:24:00	0	0	0	
084	12/15/2017 09:25:00	0	0	0	
085	12/15/2017 09:26:00	0	0	0	
086	12/15/2017 09:27:00	0	0	0	
087	12/15/2017 09:28:00	0	0	0	
088	12/15/2017 09:29:00	0	0	0	
089	12/15/2017 09:30:00	0	0	0	
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091	12/15/2017 09:32:00	0	0	0	
092	12/15/2017 09:33:00	0	0	0	
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094	12/15/2017 09:35:00	0	0	0	
095	12/15/2017 09:36:00	0	0	0	
096	12/15/2017 09:37:00	0	0	0	
097	12/15/2017 09:38:00	0	0	0	
098	12/15/2017 09:39:00	0	0	0	
099	12/15/2017 09:40:00	0	0	0	
100	12/15/2017 09:41:00	0	0	0	
101	12/15/2017 09:42:00	0	0	0	
102	12/15/2017 09:43:00	0	0	0	
103	12/15/2017 09:44:00	0	0	0	
104	12/15/2017 09:45:00	0	0	0	
105	12/15/2017 09:46:00	0	0	0	
106	12/15/2017 09:47:00	0	0	0	
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109	12/15/2017 09:50:00	0	0	0	
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116	12/15/2017 09:57:00	0	0	0	
117	12/15/2017 09:58:00	0	0	0	
118	12/15/2017 09:59:00	0	0	0	
119	12/15/2017 10:00:00	0	0	0	
120	12/15/2017 10:01:00	0	0	0	
121	12/15/2017 10:02:00	0	0	0	
122	12/15/2017 10:03:00	0	0	0	
123	12/15/2017 10:04:00	0	0	0	

			Pine_16464_20180226		
124	12/15/2017	10:05:00	0	0	0
125	12/15/2017	10:06:00	0	0	0
126	12/15/2017	10:07:00	0	0	0
127	12/15/2017	10:08:00	0	0	0
128	12/15/2017	10:09:00	0	0	0
129	12/15/2017	10:10:00	0	0	0
130	12/15/2017	10:11:00	0	0	0
131	12/15/2017	10:12:00	0	0	0
132	12/15/2017	10:13:00	0	0	0
133	12/15/2017	10:14:00	0	0	0
134	12/15/2017	10:15:00	0	0	0
135	12/15/2017	10:16:00	0	0	0
136	12/15/2017	10:17:00	0	0	0
137	12/15/2017	10:18:00	0	0	0
138	12/15/2017	10:19:00	0	0	0
139	12/15/2017	10:20:00	0	0	0
140	12/15/2017	10:21:00	0	0	0
141	12/15/2017	10:22:00	0	0	0
142	12/15/2017	10:23:00	0	0	0
143	12/15/2017	10:24:00	0	0	0
144	12/15/2017	10:25:00	0	0	0
145	12/15/2017	10:26:00	0	0	0
146	12/15/2017	10:27:00	0	0	0
147	12/15/2017	10:28:00	0	0	0
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151	12/15/2017	10:32:00	0	0	0
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153	12/15/2017	10:34:00	0	0	0
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155	12/15/2017	10:36:00	0	0	0
156	12/15/2017	10:37:00	0	0	0
157	12/15/2017	10:38:00	0	0	0
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159	12/15/2017	10:40:00	0	0	0
160	12/15/2017	10:41:00	0	0	0
161	12/15/2017	10:42:00	0	0	0
162	12/15/2017	10:43:00	0	0	0
163	12/15/2017	10:44:00	0	0	0
164	12/15/2017	10:45:00	0	0	0
165	12/15/2017	10:46:00	0	0	0
166	12/15/2017	10:47:00	0	0	0
167	12/15/2017	10:48:00	0	0	0
168	12/15/2017	10:49:00	0	0	0
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170	12/15/2017	10:51:00	0	0	0
171	12/15/2017	10:52:00	0	0	0

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172	12/15/2017	10:53:00	0	0	0
173	12/15/2017	10:54:00	0	0	0
174	12/15/2017	10:55:00	0	0	0
175	12/15/2017	10:56:00	0	0	0
176	12/15/2017	10:57:00	0	0	0
177	12/15/2017	10:58:00	0	0	0
178	12/15/2017	10:59:00	0	0	0
179	12/15/2017	11:00:00	0	0	0
180	12/15/2017	11:01:00	0	0	0
181	12/15/2017	11:02:00	0	0	0
182	12/15/2017	11:03:00	0	0	0
183	12/15/2017	11:04:00	0	0	0
184	12/15/2017	11:05:00	0	0	0
185	12/15/2017	11:06:00	0	0	0
186	12/15/2017	11:07:00	0	0	0
187	12/15/2017	11:08:00	0	0	0
188	12/15/2017	11:09:00	0	0	0
189	12/15/2017	11:10:00	0	0	0
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191	12/15/2017	11:12:00	0	0	0
192	12/15/2017	11:13:00	0	0	0
193	12/15/2017	11:14:00	0	0	0
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196	12/15/2017	11:17:00	0	0	0
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201	12/15/2017	11:22:00	0	0	0
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210	12/15/2017	11:31:00	0	0	0
211	12/15/2017	11:32:00	0	0	0
212	12/15/2017	11:33:00	0	0	0
213	12/15/2017	11:34:00	0	0	0
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215	12/15/2017	11:36:00	0	0	0
216	12/15/2017	11:37:00	0	0	0
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219	12/15/2017	11:40:00	0	0	0

			Pine_16464_20180226		
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223	12/15/2017	11:44:00	0	0	0
224	12/15/2017	11:45:00	0	0	0
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226	12/15/2017	11:47:00	0	0	0
227	12/15/2017	11:48:00	0	0	0
228	12/15/2017	11:49:00	0	0	0
229	12/15/2017	11:50:00	0	0	0
230	12/15/2017	11:51:00	0	0	0
231	12/15/2017	11:52:00	0	0	0
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233	12/15/2017	11:54:00	0	0	0
234	12/15/2017	11:55:00	0	0	0
235	12/15/2017	11:56:00	0	0	0
236	12/15/2017	11:57:00	0	0	0
237	12/15/2017	11:58:00	0	0	0
238	12/15/2017	11:59:00	0	0	0
239	12/15/2017	12:00:00	0	0	0
240	12/15/2017	12:01:00	0	0	0
241	12/15/2017	12:02:00	0	0	0
242	12/15/2017	12:03:00	0	0	0
243	12/15/2017	12:04:00	0	0	0
244	12/15/2017	12:05:00	0	0	0
245	12/15/2017	12:06:00	0	0	0
246	12/15/2017	12:07:00	0	0	0
247	12/15/2017	12:08:00	0	0	0
248	12/15/2017	12:09:00	0	0	0
249	12/15/2017	12:10:00	0	0	0
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251	12/15/2017	12:12:00	0	0	0
252	12/15/2017	12:13:00	0	0	0
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255	12/15/2017	12:16:00	0	0	0
256	12/15/2017	12:17:00	0	0	0
257	12/15/2017	12:18:00	0	0	0
258	12/15/2017	12:19:00	0	0	0
259	12/15/2017	12:20:00	0	0	0
260	12/15/2017	12:21:00	0	0	0
261	12/15/2017	12:22:00	0	0	0
262	12/15/2017	12:23:00	0	0	0
263	12/15/2017	12:24:00	0	0	0
264	12/15/2017	12:25:00	0	0	0
265	12/15/2017	12:26:00	0	7	63
266	12/15/2017	12:27:00	0	0	0
267	12/15/2017	12:28:00	0	0	0

			Pine_16464_20180226
268	12/15/2017 12:29:00	0	0
269	12/15/2017 12:30:00	0	0
270	12/15/2017 12:31:00	0	0
271	12/15/2017 12:32:00	0	0
272	12/15/2017 12:33:00	0	0
273	12/15/2017 12:34:00	0	1
274	12/15/2017 12:35:00	0	0
275	12/15/2017 12:36:00	0	0
276	12/15/2017 12:37:00	0	757
Peak	3215 3751	4340	
Min	0	0	0
Average	60	77	94

17/12/18 08:18

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 12/18/2017 08:18:21
End 12/18/2017 16:08:08
Sample Period(s) 60
Number of Records 469

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 1500000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A

Min N/A

Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	12/18/2017 08:19:21	0	0	0	0
002	12/18/2017 08:20:21	0	0	0	0
003	12/18/2017 08:21:21	0	0	0	0
004	12/18/2017 08:22:21	0	0	0	0
005	12/18/2017 08:23:21	0	0	0	0
006	12/18/2017 08:24:21	0	0	0	0
007	12/18/2017 08:25:21	0	0	0	0
008	12/18/2017 08:26:21	0	0	0	0
009	12/18/2017 08:27:21	0	0	0	0
010	12/18/2017 08:28:21	0	0	0	0
011	12/18/2017 08:29:21	0	0	0	0
012	12/18/2017 08:30:21	0	0	0	0
013	12/18/2017 08:31:21	0	0	0	0
014	12/18/2017 08:32:21	0	0	0	0
015	12/18/2017 08:33:21	0	0	0	0
016	12/18/2017 08:34:21	0	0	0	0
017	12/18/2017 08:35:21	0	0	0	0
018	12/18/2017 08:36:21	0	0	0	0
019	12/18/2017 08:37:21	0	0	0	0
020	12/18/2017 08:38:21	0	0	0	0
021	12/18/2017 08:39:21	0	0	0	0
022	12/18/2017 08:40:21	0	0	0	0
023	12/18/2017 08:41:21	0	0	0	0
024	12/18/2017 08:42:21	0	0	0	0
025	12/18/2017 08:43:21	0	0	0	0
026	12/18/2017 08:44:21	0	0	0	0
027	12/18/2017 08:45:21	0	0	0	0
028	12/18/2017 08:46:21	0	0	0	0
029	12/18/2017 08:47:21	0	0	0	0
030	12/18/2017 08:48:21	0	0	0	0
031	12/18/2017 08:49:21	0	0	0	0
032	12/18/2017 08:50:21	0	0	0	0
033	12/18/2017 08:51:21	0	0	0	0
034	12/18/2017 08:52:21	0	0	0	0
035	12/18/2017 08:53:21	0	0	0	0
036	12/18/2017 08:54:21	0	0	0	0
037	12/18/2017 08:55:21	0	0	0	0
038	12/18/2017 08:56:21	0	0	0	0
039	12/18/2017 08:57:21	0	0	0	0
040	12/18/2017 08:58:21	0	0	0	0
041	12/18/2017 08:59:21	0	0	0	0

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042	12/18/2017 09:00:21	0	0	0
043	12/18/2017 09:01:21	0	0	0
044	12/18/2017 09:02:21	0	0	0
045	12/18/2017 09:03:21	0	0	0
046	12/18/2017 09:04:21	0	0	0
047	12/18/2017 09:05:21	0	0	0
048	12/18/2017 09:06:21	0	0	0
049	12/18/2017 09:07:21	0	0	0
050	12/18/2017 09:08:21	0	0	0
051	12/18/2017 09:09:21	0	0	0
052	12/18/2017 09:10:21	0	0	0
053	12/18/2017 09:11:21	0	0	0
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055	12/18/2017 09:13:21	0	0	0
056	12/18/2017 09:14:21	0	0	0
057	12/18/2017 09:15:21	0	0	0
058	12/18/2017 09:16:21	0	0	0
059	12/18/2017 09:17:21	0	0	0
060	12/18/2017 09:18:21	0	0	0
061	12/18/2017 09:19:21	0	0	0
062	12/18/2017 09:20:21	0	0	0
063	12/18/2017 09:21:21	0	0	0
064	12/18/2017 09:22:21	0	0	0
065	12/18/2017 09:23:21	0	0	0
066	12/18/2017 09:24:21	0	0	0
067	12/18/2017 09:25:21	0	0	0
068	12/18/2017 09:26:21	0	0	0
069	12/18/2017 09:27:21	0	0	0
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073	12/18/2017 09:31:21	0	0	0
074	12/18/2017 09:32:21	0	0	0
075	12/18/2017 09:33:21	0	0	0
076	12/18/2017 09:34:21	0	0	0
077	12/18/2017 09:35:21	0	0	0
078	12/18/2017 09:36:21	0	0	0
079	12/18/2017 09:37:21	0	0	0
080	12/18/2017 09:38:21	0	0	0
081	12/18/2017 09:39:21	0	0	0
082	12/18/2017 09:40:21	0	0	0
083	12/18/2017 09:41:21	0	0	0
084	12/18/2017 09:42:21	0	0	0
085	12/18/2017 09:43:21	0	0	0
086	12/18/2017 09:44:21	0	0	0
087	12/18/2017 09:45:21	0	0	0
088	12/18/2017 09:46:21	0	0	0
089	12/18/2017 09:47:21	0	0	0

			Pine_16464_20180226		
090	12/18/2017	09:48:21	0	0	0
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092	12/18/2017	09:50:21	0	0	0
093	12/18/2017	09:51:21	0	0	0
094	12/18/2017	09:52:21	0	0	0
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096	12/18/2017	09:54:21	0	0	0
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098	12/18/2017	09:56:21	0	0	0
099	12/18/2017	09:57:21	0	0	0
100	12/18/2017	09:58:21	0	0	0
101	12/18/2017	09:59:21	0	0	0
102	12/18/2017	10:00:21	0	0	0
103	12/18/2017	10:01:21	0	0	0
104	12/18/2017	10:02:21	0	0	0
105	12/18/2017	10:03:21	0	0	0
106	12/18/2017	10:04:21	0	0	0
107	12/18/2017	10:05:21	0	0	0
108	12/18/2017	10:06:21	0	0	0
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110	12/18/2017	10:08:21	0	0	0
111	12/18/2017	10:09:21	0	0	0
112	12/18/2017	10:10:21	0	0	0
113	12/18/2017	10:11:21	0	0	0
114	12/18/2017	10:12:21	0	0	0
115	12/18/2017	10:13:21	0	0	0
116	12/18/2017	10:14:21	0	0	0
117	12/18/2017	10:15:21	0	0	0
118	12/18/2017	10:16:21	0	0	0
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120	12/18/2017	10:18:21	0	0	0
121	12/18/2017	10:19:21	0	0	0
122	12/18/2017	10:20:21	0	0	0
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			Pine_16464_20180226		
138	12/18/2017	10:36:21	0	0	0
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152	12/18/2017	10:50:21	0	0	0
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154	12/18/2017	10:52:21	0	0	0
155	12/18/2017	10:53:21	0	0	0
156	12/18/2017	10:54:21	0	0	0
157	12/18/2017	10:55:21	0	0	0
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182	12/18/2017	11:20:21	0	0	0
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185	12/18/2017	11:23:21	0	0	0

			Pine_16464_20180226		
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190	12/18/2017	11:28:21	0	0	0
191	12/18/2017	11:29:21	0	0	0
192	12/18/2017	11:30:21	0	0	0
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194	12/18/2017	11:32:21	0	0	0
195	12/18/2017	11:33:21	0	0	0
196	12/18/2017	11:34:21	0	0	0
197	12/18/2017	11:35:21	0	0	0
198	12/18/2017	11:36:21	0	0	0
199	12/18/2017	11:37:21	0	0	0
200	12/18/2017	11:38:21	0	0	0
201	12/18/2017	11:39:21	0	0	0
202	12/18/2017	11:40:21	0	0	0
203	12/18/2017	11:41:21	0	0	0
204	12/18/2017	11:42:21	0	0	0
205	12/18/2017	11:43:21	0	0	0
206	12/18/2017	11:44:21	0	0	0
207	12/18/2017	11:45:21	0	0	0
208	12/18/2017	11:46:21	0	0	0
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211	12/18/2017	11:49:21	0	0	0
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216	12/18/2017	11:54:21	0	0	0
217	12/18/2017	11:55:21	0	0	0
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220	12/18/2017	11:58:21	0	0	0
221	12/18/2017	11:59:21	0	0	0
222	12/18/2017	12:00:21	0	0	0
223	12/18/2017	12:01:21	0	0	0
224	12/18/2017	12:02:21	0	0	0
225	12/18/2017	12:03:21	0	0	0
226	12/18/2017	12:04:21	0	0	0
227	12/18/2017	12:05:21	0	0	0
228	12/18/2017	12:06:21	0	0	0
229	12/18/2017	12:07:21	0	0	0
230	12/18/2017	12:08:21	0	0	0
231	12/18/2017	12:09:21	0	0	0
232	12/18/2017	12:10:21	0	0	0
233	12/18/2017	12:11:21	0	0	0

			Pine_16464_20180226		
234	12/18/2017	12:12:21	0	0	0
235	12/18/2017	12:13:21	0	0	0
236	12/18/2017	12:14:21	0	0	0
237	12/18/2017	12:15:21	0	0	0
238	12/18/2017	12:16:21	0	0	0
239	12/18/2017	12:17:21	0	0	0
240	12/18/2017	12:18:21	0	0	0
241	12/18/2017	12:19:21	0	0	0
242	12/18/2017	12:20:21	0	0	0
243	12/18/2017	12:21:21	0	0	0
244	12/18/2017	12:22:21	0	0	0
245	12/18/2017	12:23:21	0	0	0
246	12/18/2017	12:24:21	0	0	0
247	12/18/2017	12:25:21	0	0	0
248	12/18/2017	12:26:21	0	0	0
249	12/18/2017	12:27:21	0	0	0
250	12/18/2017	12:28:21	0	0	0
251	12/18/2017	12:29:21	0	0	0
252	12/18/2017	12:30:21	0	0	0
253	12/18/2017	12:31:21	0	0	0
254	12/18/2017	12:32:21	0	0	0
255	12/18/2017	12:33:21	0	0	0
256	12/18/2017	12:34:21	0	0	0
257	12/18/2017	12:35:21	0	0	0
258	12/18/2017	12:36:21	0	0	0
259	12/18/2017	12:37:21	0	0	0
260	12/18/2017	12:38:21	0	0	0
261	12/18/2017	12:39:21	0	0	0
262	12/18/2017	12:40:21	0	0	0
263	12/18/2017	12:41:21	0	0	0
264	12/18/2017	12:42:21	0	0	0
265	12/18/2017	12:43:21	0	0	0
266	12/18/2017	12:44:21	0	0	0
267	12/18/2017	12:45:21	0	0	0
268	12/18/2017	12:46:21	0	0	0
269	12/18/2017	12:47:21	0	0	0
270	12/18/2017	12:48:21	0	0	0
271	12/18/2017	12:49:21	0	0	0
272	12/18/2017	12:50:21	0	0	0
273	12/18/2017	12:51:21	0	0	0
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277	12/18/2017	12:55:21	0	0	0
278	12/18/2017	12:56:21	0	0	0
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280	12/18/2017	12:58:21	0	0	0
281	12/18/2017	12:59:21	0	0	0

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282	12/18/2017	13:00:21	0	0	0
283	12/18/2017	13:01:21	0	0	0
284	12/18/2017	13:02:21	0	0	0
285	12/18/2017	13:03:21	0	0	0
286	12/18/2017	13:04:21	0	0	0
287	12/18/2017	13:05:21	0	0	0
288	12/18/2017	13:06:21	0	0	0
289	12/18/2017	13:07:21	0	0	0
290	12/18/2017	13:08:21	0	0	0
291	12/18/2017	13:09:21	0	0	0
292	12/18/2017	13:10:21	0	0	0
293	12/18/2017	13:11:21	0	0	0
294	12/18/2017	13:12:21	0	0	0
295	12/18/2017	13:13:21	0	0	0
296	12/18/2017	13:14:21	0	0	0
297	12/18/2017	13:15:21	0	0	0
298	12/18/2017	13:16:21	0	0	0
299	12/18/2017	13:17:21	0	0	0
300	12/18/2017	13:18:21	0	0	0
301	12/18/2017	13:19:21	0	0	0
302	12/18/2017	13:20:21	0	0	0
303	12/18/2017	13:21:21	0	0	0
304	12/18/2017	13:22:21	0	0	0
305	12/18/2017	13:23:21	0	0	0
306	12/18/2017	13:24:21	0	0	0
307	12/18/2017	13:25:21	0	0	0
308	12/18/2017	13:26:21	0	0	0
309	12/18/2017	13:27:21	0	0	0
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311	12/18/2017	13:29:21	0	0	0
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313	12/18/2017	13:31:21	0	0	0
314	12/18/2017	13:32:21	0	0	0
315	12/18/2017	13:33:21	0	0	0
316	12/18/2017	13:34:21	0	0	0
317	12/18/2017	13:35:21	0	0	0
318	12/18/2017	13:36:21	0	0	0
319	12/18/2017	13:37:21	0	0	0
320	12/18/2017	13:38:21	0	0	0
321	12/18/2017	13:39:21	0	0	0
322	12/18/2017	13:40:21	0	0	0
323	12/18/2017	13:41:21	0	0	0
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325	12/18/2017	13:43:21	0	0	0
326	12/18/2017	13:44:21	0	0	0
327	12/18/2017	13:45:21	0	0	0
328	12/18/2017	13:46:21	0	0	0
329	12/18/2017	13:47:21	0	0	0

			Pine_16464_20180226		
330	12/18/2017	13:48:21	0	0	0
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334	12/18/2017	13:52:21	0	0	0
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336	12/18/2017	13:54:21	0	0	0
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338	12/18/2017	13:56:21	0	0	0
339	12/18/2017	13:57:21	0	0	0
340	12/18/2017	13:58:21	0	0	0
341	12/18/2017	13:59:21	0	0	0
342	12/18/2017	14:00:21	0	0	0
343	12/18/2017	14:01:21	0	0	0
344	12/18/2017	14:02:21	0	0	0
345	12/18/2017	14:03:21	0	0	0
346	12/18/2017	14:04:21	0	0	0
347	12/18/2017	14:05:21	0	0	0
348	12/18/2017	14:06:21	0	0	0
349	12/18/2017	14:07:21	0	0	0
350	12/18/2017	14:08:21	0	0	0
351	12/18/2017	14:09:21	0	0	0
352	12/18/2017	14:10:21	0	0	0
353	12/18/2017	14:11:21	0	0	0
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356	12/18/2017	14:14:21	0	0	0
357	12/18/2017	14:15:21	0	0	0
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359	12/18/2017	14:17:21	0	0	0
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361	12/18/2017	14:19:21	0	0	0
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363	12/18/2017	14:21:21	0	0	0
364	12/18/2017	14:22:21	0	0	0
365	12/18/2017	14:23:21	0	0	0
366	12/18/2017	14:24:21	0	0	0
367	12/18/2017	14:25:21	0	0	0
368	12/18/2017	14:26:21	0	0	0
369	12/18/2017	14:27:21	0	0	0
370	12/18/2017	14:28:21	0	0	0
371	12/18/2017	14:29:21	0	0	0
372	12/18/2017	14:30:21	0	0	0
373	12/18/2017	14:31:21	0	0	0
374	12/18/2017	14:32:21	0	0	0
375	12/18/2017	14:33:21	0	0	0
376	12/18/2017	14:34:21	0	0	0
377	12/18/2017	14:35:21	0	0	0

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378	12/18/2017	14:36:21	0	0	0
379	12/18/2017	14:37:21	0	0	0
380	12/18/2017	14:38:21	0	0	0
381	12/18/2017	14:39:21	0	0	0
382	12/18/2017	14:40:21	0	0	0
383	12/18/2017	14:41:21	0	0	0
384	12/18/2017	14:42:21	0	0	0
385	12/18/2017	14:43:21	0	0	0
386	12/18/2017	14:44:21	0	0	0
387	12/18/2017	14:45:21	0	0	0
388	12/18/2017	14:46:21	0	0	0
389	12/18/2017	14:47:21	0	0	0
390	12/18/2017	14:48:21	0	0	0
391	12/18/2017	14:49:21	0	0	0
392	12/18/2017	14:50:21	0	0	0
393	12/18/2017	14:51:21	0	0	0
394	12/18/2017	14:52:21	0	0	0
395	12/18/2017	14:53:21	0	0	0
396	12/18/2017	14:54:21	0	0	0
397	12/18/2017	14:55:21	0	0	0
398	12/18/2017	14:56:21	0	0	0
399	12/18/2017	14:57:21	0	0	0
400	12/18/2017	14:58:21	0	0	0
401	12/18/2017	14:59:21	0	0	0
402	12/18/2017	15:00:21	0	0	0
403	12/18/2017	15:01:21	0	0	0
404	12/18/2017	15:02:21	0	0	0
405	12/18/2017	15:03:21	0	0	0
406	12/18/2017	15:04:21	0	0	0
407	12/18/2017	15:05:21	0	0	0
408	12/18/2017	15:06:21	0	0	0
409	12/18/2017	15:07:21	0	0	0
410	12/18/2017	15:08:21	0	0	0
411	12/18/2017	15:09:21	0	0	0
412	12/18/2017	15:10:21	0	0	0
413	12/18/2017	15:11:21	0	0	0
414	12/18/2017	15:12:21	0	0	0
415	12/18/2017	15:13:21	0	0	0
416	12/18/2017	15:14:21	0	0	0
417	12/18/2017	15:15:21	0	0	0
418	12/18/2017	15:16:21	0	0	0
419	12/18/2017	15:17:21	0	0	0
420	12/18/2017	15:18:21	0	0	0
421	12/18/2017	15:19:21	0	0	0
422	12/18/2017	15:20:21	0	0	0
423	12/18/2017	15:21:21	0	0	0
424	12/18/2017	15:22:21	0	0	0
425	12/18/2017	15:23:21	0	0	0

			Pine_16464_20180226		
426	12/18/2017	15:24:21	0	0	0
427	12/18/2017	15:25:21	0	0	0
428	12/18/2017	15:26:21	0	0	0
429	12/18/2017	15:27:21	0	0	0
430	12/18/2017	15:28:21	0	0	0
431	12/18/2017	15:29:21	0	0	0
432	12/18/2017	15:30:21	0	0	0
433	12/18/2017	15:31:21	0	0	0
434	12/18/2017	15:32:21	0	0	0
435	12/18/2017	15:33:21	0	0	0
436	12/18/2017	15:34:21	0	0	0
437	12/18/2017	15:35:21	0	0	0
438	12/18/2017	15:36:21	0	0	0
439	12/18/2017	15:37:21	0	0	0
440	12/18/2017	15:38:21	0	0	0
441	12/18/2017	15:39:21	0	0	0
442	12/18/2017	15:40:21	0	0	0
443	12/18/2017	15:41:21	0	0	0
444	12/18/2017	15:42:21	0	0	0
445	12/18/2017	15:43:21	0	0	0
446	12/18/2017	15:44:21	0	0	0
447	12/18/2017	15:45:21	0	0	0
448	12/18/2017	15:46:21	0	0	0
449	12/18/2017	15:47:21	0	0	0
450	12/18/2017	15:48:21	0	0	0
451	12/18/2017	15:49:21	0	0	0
452	12/18/2017	15:50:21	0	0	0
453	12/18/2017	15:51:21	0	0	0
454	12/18/2017	15:52:21	0	0	0
455	12/18/2017	15:53:21	0	0	0
456	12/18/2017	15:54:21	0	0	0
457	12/18/2017	15:55:21	0	0	0
458	12/18/2017	15:56:21	0	0	0
459	12/18/2017	15:57:21	0	0	0
460	12/18/2017	15:58:21	0	0	0
461	12/18/2017	15:59:21	0	0	0
462	12/18/2017	16:00:21	0	0	0
463	12/18/2017	16:01:21	0	0	0
464	12/18/2017	16:02:21	0	0	0
465	12/18/2017	16:03:21	0	0	0
466	12/18/2017	16:04:21	0	0	3
467	12/18/2017	16:05:21	0	11	77
468	12/18/2017	16:06:21	47	236	433
469	12/18/2017	16:07:21	168	176	197
Peak		168	236	433	
Min		0	0	0	
Average		0	1	2	

17/12/19 08:26

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 12/19/2017 08:26:45
End 12/19/2017 16:55:43
Sample Period(s) 60
Number of Records 508

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)
001	12/19/2017 08:27:45	304	701	775
002	12/19/2017 08:28:45	776	813	855
003	12/19/2017 08:29:45	856	894	932
004	12/19/2017 08:30:45	935	960	988
005	12/19/2017 08:31:45	978	1005	1039
006	12/19/2017 08:32:45	0	385	1120

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007	12/19/2017 08:33:45	0	0	0
008	12/19/2017 08:34:45	0	0	0
009	12/19/2017 08:35:45	0	0	0
010	12/19/2017 08:36:45	0	0	0
011	12/19/2017 08:37:45	0	0	0
012	12/19/2017 08:38:45	0	0	0
013	12/19/2017 08:39:45	0	0	0
014	12/19/2017 08:40:45	0	0	0
015	12/19/2017 08:41:45	0	0	0
016	12/19/2017 08:42:45	0	0	0
017	12/19/2017 08:43:45	0	0	0
018	12/19/2017 08:44:45	0	0	0
019	12/19/2017 08:45:45	0	0	0
020	12/19/2017 08:46:45	0	0	0
021	12/19/2017 08:47:45	0	0	0
022	12/19/2017 08:48:45	0	0	0
023	12/19/2017 08:49:45	0	0	0
024	12/19/2017 08:50:45	0	0	0
025	12/19/2017 08:51:45	0	0	0
026	12/19/2017 08:52:45	0	0	0
027	12/19/2017 08:53:45	0	0	0
028	12/19/2017 08:54:45	0	0	0
029	12/19/2017 08:55:45	0	0	0
030	12/19/2017 08:56:45	0	0	0
031	12/19/2017 08:57:45	0	0	0
032	12/19/2017 08:58:45	0	0	0
033	12/19/2017 08:59:45	0	0	0
034	12/19/2017 09:00:45	0	0	0
035	12/19/2017 09:01:45	0	0	0
036	12/19/2017 09:02:45	0	0	0
037	12/19/2017 09:03:45	0	0	0
038	12/19/2017 09:04:45	0	0	0
039	12/19/2017 09:05:45	0	0	0
040	12/19/2017 09:06:45	0	0	0
041	12/19/2017 09:07:45	0	0	0
042	12/19/2017 09:08:45	0	0	0
043	12/19/2017 09:09:45	0	0	0
044	12/19/2017 09:10:45	0	0	0
045	12/19/2017 09:11:45	0	0	0
046	12/19/2017 09:12:45	0	0	0
047	12/19/2017 09:13:45	0	0	0
048	12/19/2017 09:14:45	0	0	0
049	12/19/2017 09:15:45	0	0	0
050	12/19/2017 09:16:45	0	0	0
051	12/19/2017 09:17:45	0	0	0
052	12/19/2017 09:18:45	0	0	0
053	12/19/2017 09:19:45	0	0	0
054	12/19/2017 09:20:45	0	0	0

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055	12/19/2017 09:21:45	0	0	0
056	12/19/2017 09:22:45	0	0	0
057	12/19/2017 09:23:45	0	0	0
058	12/19/2017 09:24:45	0	0	0
059	12/19/2017 09:25:45	0	0	0
060	12/19/2017 09:26:45	0	0	0
061	12/19/2017 09:27:45	0	0	0
062	12/19/2017 09:28:45	0	0	0
063	12/19/2017 09:29:45	0	0	0
064	12/19/2017 09:30:45	0	0	0
065	12/19/2017 09:31:45	0	0	0
066	12/19/2017 09:32:45	0	0	0
067	12/19/2017 09:33:45	0	0	0
068	12/19/2017 09:34:45	0	0	0
069	12/19/2017 09:35:45	0	0	0
070	12/19/2017 09:36:45	0	0	0
071	12/19/2017 09:37:45	0	0	0
072	12/19/2017 09:38:45	0	0	0
073	12/19/2017 09:39:45	0	0	0
074	12/19/2017 09:40:45	0	0	0
075	12/19/2017 09:41:45	0	0	0
076	12/19/2017 09:42:45	0	0	0
077	12/19/2017 09:43:45	0	0	0
078	12/19/2017 09:44:45	0	0	0
079	12/19/2017 09:45:45	0	0	0
080	12/19/2017 09:46:45	0	0	0
081	12/19/2017 09:47:45	0	0	0
082	12/19/2017 09:48:45	0	0	0
083	12/19/2017 09:49:45	0	0	0
084	12/19/2017 09:50:45	0	0	0
085	12/19/2017 09:51:45	0	0	0
086	12/19/2017 09:52:45	0	0	0
087	12/19/2017 09:53:45	0	0	0
088	12/19/2017 09:54:45	0	0	0
089	12/19/2017 09:55:45	0	0	0
090	12/19/2017 09:56:45	0	0	0
091	12/19/2017 09:57:45	0	0	0
092	12/19/2017 09:58:45	0	0	0
093	12/19/2017 09:59:45	0	0	0
094	12/19/2017 10:00:45	0	0	0
095	12/19/2017 10:01:45	0	0	0
096	12/19/2017 10:02:45	0	0	0
097	12/19/2017 10:03:45	0	0	0
098	12/19/2017 10:04:45	0	0	0
099	12/19/2017 10:05:45	0	0	0
100	12/19/2017 10:06:45	0	0	0
101	12/19/2017 10:07:45	0	0	0
102	12/19/2017 10:08:45	0	0	0

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103	12/19/2017	10:09:45	0	0	0
104	12/19/2017	10:10:45	0	0	0
105	12/19/2017	10:11:45	0	0	0
106	12/19/2017	10:12:45	0	0	0
107	12/19/2017	10:13:45	0	0	0
108	12/19/2017	10:14:45	0	0	0
109	12/19/2017	10:15:45	0	0	0
110	12/19/2017	10:16:45	0	0	0
111	12/19/2017	10:17:45	0	0	0
112	12/19/2017	10:18:45	0	0	0
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114	12/19/2017	10:20:45	0	0	0
115	12/19/2017	10:21:45	0	0	0
116	12/19/2017	10:22:45	0	0	0
117	12/19/2017	10:23:45	0	0	0
118	12/19/2017	10:24:45	0	0	0
119	12/19/2017	10:25:45	0	0	0
120	12/19/2017	10:26:45	0	0	0
121	12/19/2017	10:27:45	0	0	0
122	12/19/2017	10:28:45	0	0	0
123	12/19/2017	10:29:45	0	0	0
124	12/19/2017	10:30:45	0	0	0
125	12/19/2017	10:31:45	0	0	0
126	12/19/2017	10:32:45	0	0	0
127	12/19/2017	10:33:45	0	0	0
128	12/19/2017	10:34:45	0	0	0
129	12/19/2017	10:35:45	0	0	0
130	12/19/2017	10:36:45	0	0	0
131	12/19/2017	10:37:45	0	0	0
132	12/19/2017	10:38:45	0	0	0
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134	12/19/2017	10:40:45	0	0	0
135	12/19/2017	10:41:45	0	0	0
136	12/19/2017	10:42:45	0	0	0
137	12/19/2017	10:43:45	0	0	0
138	12/19/2017	10:44:45	0	0	0
139	12/19/2017	10:45:45	0	0	0
140	12/19/2017	10:46:45	0	0	0
141	12/19/2017	10:47:45	0	0	0
142	12/19/2017	10:48:45	0	0	0
143	12/19/2017	10:49:45	0	0	0
144	12/19/2017	10:50:45	0	0	0
145	12/19/2017	10:51:45	0	0	0
146	12/19/2017	10:52:45	0	0	0
147	12/19/2017	10:53:45	0	0	0
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149	12/19/2017	10:55:45	0	0	0
150	12/19/2017	10:56:45	0	0	0

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151	12/19/2017	10:57:45	0	0	0
152	12/19/2017	10:58:45	0	0	0
153	12/19/2017	10:59:45	0	0	0
154	12/19/2017	11:00:45	0	0	0
155	12/19/2017	11:01:45	0	0	0
156	12/19/2017	11:02:45	0	0	0
157	12/19/2017	11:03:45	0	0	0
158	12/19/2017	11:04:45	0	0	0
159	12/19/2017	11:05:45	0	0	0
160	12/19/2017	11:06:45	0	0	0
161	12/19/2017	11:07:45	0	0	0
162	12/19/2017	11:08:45	0	0	0
163	12/19/2017	11:09:45	0	0	0
164	12/19/2017	11:10:45	0	0	0
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166	12/19/2017	11:12:45	0	0	0
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168	12/19/2017	11:14:45	0	0	0
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172	12/19/2017	11:18:45	0	0	0
173	12/19/2017	11:19:45	0	0	0
174	12/19/2017	11:20:45	0	0	0
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176	12/19/2017	11:22:45	0	0	0
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184	12/19/2017	11:30:45	0	0	0
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187	12/19/2017	11:33:45	0	0	0
188	12/19/2017	11:34:45	0	0	0
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191	12/19/2017	11:37:45	0	0	0
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193	12/19/2017	11:39:45	0	0	0
194	12/19/2017	11:40:45	0	0	0
195	12/19/2017	11:41:45	0	0	0
196	12/19/2017	11:42:45	0	0	0
197	12/19/2017	11:43:45	0	0	0
198	12/19/2017	11:44:45	0	0	0

			Pine_16464_20180226		
199	12/19/2017	11:45:45	0	0	0
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202	12/19/2017	11:48:45	0	0	0
203	12/19/2017	11:49:45	0	0	0
204	12/19/2017	11:50:45	0	0	0
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206	12/19/2017	11:52:45	0	0	0
207	12/19/2017	11:53:45	0	0	0
208	12/19/2017	11:54:45	0	0	0
209	12/19/2017	11:55:45	0	0	0
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211	12/19/2017	11:57:45	0	0	0
212	12/19/2017	11:58:45	0	0	0
213	12/19/2017	11:59:45	0	0	0
214	12/19/2017	12:00:45	0	0	0
215	12/19/2017	12:01:45	0	0	0
216	12/19/2017	12:02:45	0	0	0
217	12/19/2017	12:03:45	0	0	0
218	12/19/2017	12:04:45	0	0	0
219	12/19/2017	12:05:45	0	0	0
220	12/19/2017	12:06:45	0	0	0
221	12/19/2017	12:07:45	0	0	0
222	12/19/2017	12:08:45	0	0	0
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225	12/19/2017	12:11:45	0	0	0
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227	12/19/2017	12:13:45	0	0	0
228	12/19/2017	12:14:45	0	0	0
229	12/19/2017	12:15:45	0	0	0
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231	12/19/2017	12:17:45	0	0	0
232	12/19/2017	12:18:45	0	0	0
233	12/19/2017	12:19:45	0	0	0
234	12/19/2017	12:20:45	0	0	0
235	12/19/2017	12:21:45	0	0	0
236	12/19/2017	12:22:45	0	0	0
237	12/19/2017	12:23:45	0	0	0
238	12/19/2017	12:24:45	0	0	0
239	12/19/2017	12:25:45	0	0	0
240	12/19/2017	12:26:45	0	0	0
241	12/19/2017	12:27:45	0	0	0
242	12/19/2017	12:28:45	0	0	0
243	12/19/2017	12:29:45	0	0	0
244	12/19/2017	12:30:45	0	0	0
245	12/19/2017	12:31:45	0	0	0
246	12/19/2017	12:32:45	0	0	0

			Pine_16464_20180226		
247	12/19/2017	12:33:45	0	0	0
248	12/19/2017	12:34:45	0	0	0
249	12/19/2017	12:35:45	0	0	0
250	12/19/2017	12:36:45	0	0	0
251	12/19/2017	12:37:45	0	0	0
252	12/19/2017	12:38:45	0	0	0
253	12/19/2017	12:39:45	0	0	0
254	12/19/2017	12:40:45	0	0	0
255	12/19/2017	12:41:45	0	0	0
256	12/19/2017	12:42:45	0	0	0
257	12/19/2017	12:43:45	0	0	0
258	12/19/2017	12:44:45	0	0	0
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262	12/19/2017	12:48:45	0	0	0
263	12/19/2017	12:49:45	0	0	0
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265	12/19/2017	12:51:45	0	0	0
266	12/19/2017	12:52:45	0	0	0
267	12/19/2017	12:53:45	0	0	0
268	12/19/2017	12:54:45	0	0	0
269	12/19/2017	12:55:45	0	0	0
270	12/19/2017	12:56:45	0	0	0
271	12/19/2017	12:57:45	0	0	0
272	12/19/2017	12:58:45	0	0	0
273	12/19/2017	12:59:45	0	0	0
274	12/19/2017	13:00:45	0	0	0
275	12/19/2017	13:01:45	0	0	0
276	12/19/2017	13:02:45	0	0	0
277	12/19/2017	13:03:45	0	0	0
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281	12/19/2017	13:07:45	0	0	0
282	12/19/2017	13:08:45	0	0	0
283	12/19/2017	13:09:45	0	0	0
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285	12/19/2017	13:11:45	0	0	0
286	12/19/2017	13:12:45	0	0	0
287	12/19/2017	13:13:45	0	0	0
288	12/19/2017	13:14:45	0	0	0
289	12/19/2017	13:15:45	0	0	0
290	12/19/2017	13:16:45	0	0	0
291	12/19/2017	13:17:45	0	0	0
292	12/19/2017	13:18:45	0	0	0
293	12/19/2017	13:19:45	0	0	0
294	12/19/2017	13:20:45	0	0	0

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295	12/19/2017	13:21:45	0	0	0
296	12/19/2017	13:22:45	0	0	0
297	12/19/2017	13:23:45	0	0	0
298	12/19/2017	13:24:45	0	0	0
299	12/19/2017	13:25:45	0	0	0
300	12/19/2017	13:26:45	0	0	0
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302	12/19/2017	13:28:45	0	0	0
303	12/19/2017	13:29:45	0	0	0
304	12/19/2017	13:30:45	0	0	0
305	12/19/2017	13:31:45	0	0	0
306	12/19/2017	13:32:45	0	0	0
307	12/19/2017	13:33:45	0	0	0
308	12/19/2017	13:34:45	0	0	0
309	12/19/2017	13:35:45	0	0	0
310	12/19/2017	13:36:45	0	0	0
311	12/19/2017	13:37:45	0	0	0
312	12/19/2017	13:38:45	0	0	0
313	12/19/2017	13:39:45	0	0	0
314	12/19/2017	13:40:45	0	0	0
315	12/19/2017	13:41:45	0	0	0
316	12/19/2017	13:42:45	0	0	0
317	12/19/2017	13:43:45	0	0	0
318	12/19/2017	13:44:45	0	0	0
319	12/19/2017	13:45:45	0	0	0
320	12/19/2017	13:46:45	0	0	0
321	12/19/2017	13:47:45	0	0	0
322	12/19/2017	13:48:45	0	0	0
323	12/19/2017	13:49:45	0	0	0
324	12/19/2017	13:50:45	0	0	0
325	12/19/2017	13:51:45	0	0	0
326	12/19/2017	13:52:45	0	0	0
327	12/19/2017	13:53:45	0	0	0
328	12/19/2017	13:54:45	0	0	0
329	12/19/2017	13:55:45	0	0	0
330	12/19/2017	13:56:45	0	0	0
331	12/19/2017	13:57:45	0	0	0
332	12/19/2017	13:58:45	0	0	0
333	12/19/2017	13:59:45	0	0	0
334	12/19/2017	14:00:45	0	0	0
335	12/19/2017	14:01:45	0	0	0
336	12/19/2017	14:02:45	0	0	0
337	12/19/2017	14:03:45	0	0	0
338	12/19/2017	14:04:45	0	0	0
339	12/19/2017	14:05:45	0	0	0
340	12/19/2017	14:06:45	0	0	0
341	12/19/2017	14:07:45	0	0	0
342	12/19/2017	14:08:45	0	0	0

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343	12/19/2017	14:09:45	0	0	0
344	12/19/2017	14:10:45	0	0	0
345	12/19/2017	14:11:45	0	0	0
346	12/19/2017	14:12:45	0	0	0
347	12/19/2017	14:13:45	0	0	0
348	12/19/2017	14:14:45	0	0	0
349	12/19/2017	14:15:45	0	0	0
350	12/19/2017	14:16:45	0	0	0
351	12/19/2017	14:17:45	0	0	0
352	12/19/2017	14:18:45	0	0	0
353	12/19/2017	14:19:45	0	0	0
354	12/19/2017	14:20:45	0	0	0
355	12/19/2017	14:21:45	0	0	0
356	12/19/2017	14:22:45	0	0	0
357	12/19/2017	14:23:45	0	0	0
358	12/19/2017	14:24:45	0	0	0
359	12/19/2017	14:25:45	0	0	0
360	12/19/2017	14:26:45	0	0	0
361	12/19/2017	14:27:45	0	0	0
362	12/19/2017	14:28:45	0	0	0
363	12/19/2017	14:29:45	0	0	0
364	12/19/2017	14:30:45	0	0	0
365	12/19/2017	14:31:45	0	0	0
366	12/19/2017	14:32:45	0	0	0
367	12/19/2017	14:33:45	0	0	0
368	12/19/2017	14:34:45	0	0	0
369	12/19/2017	14:35:45	0	0	0
370	12/19/2017	14:36:45	0	0	0
371	12/19/2017	14:37:45	0	0	0
372	12/19/2017	14:38:45	0	0	0
373	12/19/2017	14:39:45	0	0	0
374	12/19/2017	14:40:45	0	0	0
375	12/19/2017	14:41:45	0	0	0
376	12/19/2017	14:42:45	0	0	0
377	12/19/2017	14:43:45	0	0	0
378	12/19/2017	14:44:45	0	0	0
379	12/19/2017	14:45:45	0	0	0
380	12/19/2017	14:46:45	0	0	0
381	12/19/2017	14:47:45	0	0	0
382	12/19/2017	14:48:45	0	0	0
383	12/19/2017	14:49:45	0	0	0
384	12/19/2017	14:50:45	0	0	0
385	12/19/2017	14:51:45	0	0	0
386	12/19/2017	14:52:45	0	0	0
387	12/19/2017	14:53:45	0	0	0
388	12/19/2017	14:54:45	0	0	0
389	12/19/2017	14:55:45	0	0	0
390	12/19/2017	14:56:45	0	0	0

			Pine_16464_20180226		
391	12/19/2017	14:57:45	0	0	0
392	12/19/2017	14:58:45	0	0	0
393	12/19/2017	14:59:45	0	0	0
394	12/19/2017	15:00:45	0	0	0
395	12/19/2017	15:01:45	0	0	0
396	12/19/2017	15:02:45	0	0	0
397	12/19/2017	15:03:45	0	0	0
398	12/19/2017	15:04:45	0	0	0
399	12/19/2017	15:05:45	0	0	0
400	12/19/2017	15:06:45	0	0	0
401	12/19/2017	15:07:45	0	0	0
402	12/19/2017	15:08:45	0	0	0
403	12/19/2017	15:09:45	0	0	0
404	12/19/2017	15:10:45	0	0	2
405	12/19/2017	15:11:45	0	0	2
406	12/19/2017	15:12:45	0	0	4
407	12/19/2017	15:13:45	0	0	0
408	12/19/2017	15:14:45	0	0	2
409	12/19/2017	15:15:45	0	0	2
410	12/19/2017	15:16:45	0	0	2
411	12/19/2017	15:17:45	0	0	3
412	12/19/2017	15:18:45	0	2	6
413	12/19/2017	15:19:45	2	4	12
414	12/19/2017	15:20:45	2	7	14
415	12/19/2017	15:21:45	5	8	11
416	12/19/2017	15:22:45	5	7	10
417	12/19/2017	15:23:45	7	10	13
418	12/19/2017	15:24:45	7	10	13
419	12/19/2017	15:25:45	10	13	15
420	12/19/2017	15:26:45	9	14	19
421	12/19/2017	15:27:45	13	16	21
422	12/19/2017	15:28:45	14	15	19
423	12/19/2017	15:29:45	15	19	24
424	12/19/2017	15:30:45	15	20	24
425	12/19/2017	15:31:45	21	22	24
426	12/19/2017	15:32:45	20	22	26
427	12/19/2017	15:33:45	21	23	26
428	12/19/2017	15:34:45	21	25	30
429	12/19/2017	15:35:45	24	27	31
430	12/19/2017	15:36:45	27	29	32
431	12/19/2017	15:37:45	27	31	37
432	12/19/2017	15:38:45	31	34	38
433	12/19/2017	15:39:45	29	34	39
434	12/19/2017	15:40:45	36	37	41
435	12/19/2017	15:41:45	34	37	40
436	12/19/2017	15:42:45	36	38	42
437	12/19/2017	15:43:45	36	39	42
438	12/19/2017	15:44:45	37	40	44

			Pine_16464_20180226		
439	12/19/2017	15:45:45	40	43	48
440	12/19/2017	15:46:45	43	45	48
441	12/19/2017	15:47:45	44	48	52
442	12/19/2017	15:48:45	46	50	54
443	12/19/2017	15:49:45	47	50	54
444	12/19/2017	15:50:45	51	52	56
445	12/19/2017	15:51:45	53	57	63
446	12/19/2017	15:52:45	57	60	62
447	12/19/2017	15:53:45	59	63	83
448	12/19/2017	15:54:45	61	64	78
449	12/19/2017	15:55:45	64	66	68
450	12/19/2017	15:56:45	64	67	70
451	12/19/2017	15:57:45	65	68	71
452	12/19/2017	15:58:45	68	71	74
453	12/19/2017	15:59:45	72	74	78
454	12/19/2017	16:00:45	72	76	81
455	12/19/2017	16:01:45	77	79	83
456	12/19/2017	16:02:45	76	78	81
457	12/19/2017	16:03:45	79	81	86
458	12/19/2017	16:04:45	78	80	84
459	12/19/2017	16:05:45	81	85	90
460	12/19/2017	16:06:45	83	85	90
461	12/19/2017	16:07:45	84	87	92
462	12/19/2017	16:08:45	86	89	93
463	12/19/2017	16:09:45	89	91	94
464	12/19/2017	16:10:45	88	90	93
465	12/19/2017	16:11:45	89	92	95
466	12/19/2017	16:12:45	92	95	99
467	12/19/2017	16:13:45	93	96	100
468	12/19/2017	16:14:45	96	100	105
469	12/19/2017	16:15:45	99	102	104
470	12/19/2017	16:16:45	100	103	107
471	12/19/2017	16:17:45	103	105	109
472	12/19/2017	16:18:45	106	108	112
473	12/19/2017	16:19:45	107	110	113
474	12/19/2017	16:20:45	111	113	116
475	12/19/2017	16:21:45	113	114	117
476	12/19/2017	16:22:45	113	115	118
477	12/19/2017	16:23:45	114	116	120
478	12/19/2017	16:24:45	116	120	123
479	12/19/2017	16:25:45	119	121	124
480	12/19/2017	16:26:45	120	124	128
481	12/19/2017	16:27:45	125	129	132
482	12/19/2017	16:28:45	129	130	132
483	12/19/2017	16:29:45	125	130	134
484	12/19/2017	16:30:45	130	133	138
485	12/19/2017	16:31:45	131	134	139
486	12/19/2017	16:32:45	132	134	137

			Pine_16464_20180226		
487	12/19/2017	16:33:45	135	137	140
488	12/19/2017	16:34:45	140	142	146
489	12/19/2017	16:35:45	141	144	147
490	12/19/2017	16:36:45	138	140	143
491	12/19/2017	16:37:45	139	142	145
492	12/19/2017	16:38:45	141	144	148
493	12/19/2017	16:39:45	143	146	150
494	12/19/2017	16:40:45	147	149	152
495	12/19/2017	16:41:45	144	147	152
496	12/19/2017	16:42:45	143	147	151
497	12/19/2017	16:43:45	145	147	150
498	12/19/2017	16:44:45	146	291	1364
499	12/19/2017	16:45:45	1287	1360	1403
500	12/19/2017	16:46:45	1255	1297	1395
501	12/19/2017	16:47:45	1281	1316	1361
502	12/19/2017	16:48:45	1258	1286	1309
503	12/19/2017	16:49:45	1171	1235	1279
504	12/19/2017	16:50:45	1158	1188	1210
505	12/19/2017	16:51:45	1150	1157	1172
506	12/19/2017	16:52:45	1169	1177	1183
507	12/19/2017	16:53:45	1139	1161	1183
508	12/19/2017	16:54:45	1163	1173	1194
Peak		1287	1360	1403	
Min		0	0	0	
Average		44	47	52	

17/12/21 09:02

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 12/21/2017 09:02:15
End 12/21/2017 16:09:24
Sample Period(s) 60

Number of Records 427

Sensor VOC(ppb)
 Span 100000
 Span 2 N/A
 Low Alarm 50000
 High Alarm 100000
 Over Alarm 15000000
 STEL Alarm 25000
 TWA Alarm 100000
 Measurement Gas Isobutylene
 Calibration Time 10/19/2017 13:11
 Peak N/A
 Min N/A
 Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	12/21/2017 09:03:15	0	0	0	0
002	12/21/2017 09:04:15	0	0	0	0
003	12/21/2017 09:05:15	0	0	0	0
004	12/21/2017 09:06:15	0	0	0	0
005	12/21/2017 09:07:15	0	0	0	0
006	12/21/2017 09:08:15	0	0	0	0
007	12/21/2017 09:09:15	0	0	0	0
008	12/21/2017 09:10:15	0	0	0	0
009	12/21/2017 09:11:15	0	0	0	0
010	12/21/2017 09:12:15	0	0	0	0
011	12/21/2017 09:13:15	0	0	0	0
012	12/21/2017 09:14:15	0	0	0	0
013	12/21/2017 09:15:15	0	0	0	0
014	12/21/2017 09:16:15	0	0	0	0
015	12/21/2017 09:17:15	0	0	0	0
016	12/21/2017 09:18:15	0	0	0	0
017	12/21/2017 09:19:15	0	0	0	0
018	12/21/2017 09:20:15	0	0	0	0
019	12/21/2017 09:21:15	0	0	0	0
020	12/21/2017 09:22:15	0	0	0	0
021	12/21/2017 09:23:15	0	0	0	0
022	12/21/2017 09:24:15	0	0	0	0
023	12/21/2017 09:25:15	0	0	0	0
024	12/21/2017 09:26:15	0	0	0	0
025	12/21/2017 09:27:15	0	0	0	0
026	12/21/2017 09:28:15	0	0	0	0
027	12/21/2017 09:29:15	0	0	0	0
028	12/21/2017 09:30:15	0	0	0	0

			Pine_16464_20180226		
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030	12/21/2017	09:32:15	0	0	0
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032	12/21/2017	09:34:15	0	0	0
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034	12/21/2017	09:36:15	0	0	0
035	12/21/2017	09:37:15	0	0	0
036	12/21/2017	09:38:15	0	0	0
037	12/21/2017	09:39:15	0	0	0
038	12/21/2017	09:40:15	0	0	0
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041	12/21/2017	09:43:15	0	0	0
042	12/21/2017	09:44:15	0	0	0
043	12/21/2017	09:45:15	0	0	0
044	12/21/2017	09:46:15	0	0	0
045	12/21/2017	09:47:15	0	0	0
046	12/21/2017	09:48:15	0	0	0
047	12/21/2017	09:49:15	0	0	0
048	12/21/2017	09:50:15	0	0	0
049	12/21/2017	09:51:15	0	0	0
050	12/21/2017	09:52:15	0	0	0
051	12/21/2017	09:53:15	0	0	0
052	12/21/2017	09:54:15	0	0	0
053	12/21/2017	09:55:15	0	0	0
054	12/21/2017	09:56:15	0	0	0
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056	12/21/2017	09:58:15	0	0	0
057	12/21/2017	09:59:15	0	0	0
058	12/21/2017	10:00:15	0	0	0
059	12/21/2017	10:01:15	0	0	0
060	12/21/2017	10:02:15	0	0	0
061	12/21/2017	10:03:15	0	0	0
062	12/21/2017	10:04:15	0	0	0
063	12/21/2017	10:05:15	0	0	0
064	12/21/2017	10:06:15	0	0	0
065	12/21/2017	10:07:15	0	0	0
066	12/21/2017	10:08:15	0	0	0
067	12/21/2017	10:09:15	0	0	0
068	12/21/2017	10:10:15	0	0	0
069	12/21/2017	10:11:15	0	0	0
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071	12/21/2017	10:13:15	0	0	0
072	12/21/2017	10:14:15	0	0	0
073	12/21/2017	10:15:15	0	0	0
074	12/21/2017	10:16:15	0	0	0
075	12/21/2017	10:17:15	0	0	0
076	12/21/2017	10:18:15	0	0	0

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077	12/21/2017	10:19:15	0	0	0
078	12/21/2017	10:20:15	0	0	0
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081	12/21/2017	10:23:15	0	0	0
082	12/21/2017	10:24:15	0	0	0
083	12/21/2017	10:25:15	0	0	0
084	12/21/2017	10:26:15	0	0	0
085	12/21/2017	10:27:15	0	0	0
086	12/21/2017	10:28:15	0	0	0
087	12/21/2017	10:29:15	0	0	0
088	12/21/2017	10:30:15	0	0	0
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090	12/21/2017	10:32:15	0	0	0
091	12/21/2017	10:33:15	0	0	0
092	12/21/2017	10:34:15	0	0	0
093	12/21/2017	10:35:15	0	0	0
094	12/21/2017	10:36:15	0	0	0
095	12/21/2017	10:37:15	0	0	0
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097	12/21/2017	10:39:15	0	0	0
098	12/21/2017	10:40:15	0	0	0
099	12/21/2017	10:41:15	0	0	0
100	12/21/2017	10:42:15	0	0	0
101	12/21/2017	10:43:15	0	0	0
102	12/21/2017	10:44:15	0	0	0
103	12/21/2017	10:45:15	0	0	0
104	12/21/2017	10:46:15	0	0	0
105	12/21/2017	10:47:15	0	0	0
106	12/21/2017	10:48:15	0	0	0
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108	12/21/2017	10:50:15	0	0	0
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120	12/21/2017	11:02:15	0	0	0
121	12/21/2017	11:03:15	0	0	0
122	12/21/2017	11:04:15	0	0	0
123	12/21/2017	11:05:15	0	0	0
124	12/21/2017	11:06:15	0	0	0

			Pine_16464_20180226		
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126	12/21/2017	11:08:15	0	0	0
127	12/21/2017	11:09:15	0	0	0
128	12/21/2017	11:10:15	0	0	0
129	12/21/2017	11:11:15	0	0	0
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135	12/21/2017	11:17:15	0	0	0
136	12/21/2017	11:18:15	0	0	0
137	12/21/2017	11:19:15	0	0	0
138	12/21/2017	11:20:15	0	0	0
139	12/21/2017	11:21:15	0	0	0
140	12/21/2017	11:22:15	0	0	0
141	12/21/2017	11:23:15	0	0	0
142	12/21/2017	11:24:15	0	0	0
143	12/21/2017	11:25:15	0	0	0
144	12/21/2017	11:26:15	0	0	0
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146	12/21/2017	11:28:15	0	0	0
147	12/21/2017	11:29:15	0	0	0
148	12/21/2017	11:30:15	0	0	0
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153	12/21/2017	11:35:15	0	0	0
154	12/21/2017	11:36:15	0	0	0
155	12/21/2017	11:37:15	0	0	0
156	12/21/2017	11:38:15	0	0	0
157	12/21/2017	11:39:15	0	0	0
158	12/21/2017	11:40:15	0	0	0
159	12/21/2017	11:41:15	0	0	0
160	12/21/2017	11:42:15	0	0	0
161	12/21/2017	11:43:15	0	0	0
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164	12/21/2017	11:46:15	0	0	0
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179	12/21/2017	12:01:15	0	0	0
180	12/21/2017	12:02:15	0	0	0
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182	12/21/2017	12:04:15	0	0	0
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186	12/21/2017	12:08:15	0	0	0
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192	12/21/2017	12:14:15	0	0	0
193	12/21/2017	12:15:15	0	0	0
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196	12/21/2017	12:18:15	0	0	0
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199	12/21/2017	12:21:15	0	0	0
200	12/21/2017	12:22:15	0	0	0
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207	12/21/2017	12:29:15	0	0	0
208	12/21/2017	12:30:15	0	0	0
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210	12/21/2017	12:32:15	0	0	0
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212	12/21/2017	12:34:15	0	0	0
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215	12/21/2017	12:37:15	0	0	0
216	12/21/2017	12:38:15	0	0	0
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233	12/21/2017	12:55:15	0	0	0
234	12/21/2017	12:56:15	0	0	0
235	12/21/2017	12:57:15	0	0	0
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237	12/21/2017	12:59:15	0	0	0
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240	12/21/2017	13:02:15	0	0	0
241	12/21/2017	13:03:15	0	0	0
242	12/21/2017	13:04:15	0	0	0
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244	12/21/2017	13:06:15	0	0	0
245	12/21/2017	13:07:15	0	0	0
246	12/21/2017	13:08:15	0	0	0
247	12/21/2017	13:09:15	0	0	0
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252	12/21/2017	13:14:15	0	0	0
253	12/21/2017	13:15:15	0	0	0
254	12/21/2017	13:16:15	0	0	0
255	12/21/2017	13:17:15	0	0	0
256	12/21/2017	13:18:15	0	0	0
257	12/21/2017	13:19:15	0	0	0
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262	12/21/2017	13:24:15	0	0	0
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265	12/21/2017	13:27:15	0	0	0
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			Pine_16464_20180226		
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282	12/21/2017	13:44:15	0	0	0
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300	12/21/2017	14:02:15	0	0	0
301	12/21/2017	14:03:15	0	0	0
302	12/21/2017	14:04:15	0	0	0
303	12/21/2017	14:05:15	0	0	0
304	12/21/2017	14:06:15	0	0	0
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306	12/21/2017	14:08:15	0	0	0
307	12/21/2017	14:09:15	0	0	0
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313	12/21/2017	14:15:15	0	0	0
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315	12/21/2017	14:17:15	0	0	0
316	12/21/2017	14:18:15	0	0	0

			Pine_16464_20180226		
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318	12/21/2017	14:20:15	0	0	0
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321	12/21/2017	14:23:15	0	0	0
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323	12/21/2017	14:25:15	0	0	0
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325	12/21/2017	14:27:15	0	0	0
326	12/21/2017	14:28:15	0	0	0
327	12/21/2017	14:29:15	0	0	0
328	12/21/2017	14:30:15	0	0	0
329	12/21/2017	14:31:15	0	0	0
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332	12/21/2017	14:34:15	0	0	0
333	12/21/2017	14:35:15	0	0	0
334	12/21/2017	14:36:15	0	0	0
335	12/21/2017	14:37:15	0	0	0
336	12/21/2017	14:38:15	0	0	0
337	12/21/2017	14:39:15	0	0	0
338	12/21/2017	14:40:15	0	0	0
339	12/21/2017	14:41:15	0	0	0
340	12/21/2017	14:42:15	0	0	0
341	12/21/2017	14:43:15	0	0	0
342	12/21/2017	14:44:15	0	0	0
343	12/21/2017	14:45:15	0	0	0
344	12/21/2017	14:46:15	0	0	0
345	12/21/2017	14:47:15	0	0	0
346	12/21/2017	14:48:15	0	0	0
347	12/21/2017	14:49:15	0	0	0
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352	12/21/2017	14:54:15	0	0	0
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355	12/21/2017	14:57:15	0	0	0
356	12/21/2017	14:58:15	0	0	0
357	12/21/2017	14:59:15	0	0	0
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359	12/21/2017	15:01:15	0	0	0
360	12/21/2017	15:02:15	0	0	0
361	12/21/2017	15:03:15	0	0	0
362	12/21/2017	15:04:15	0	0	0
363	12/21/2017	15:05:15	0	0	0
364	12/21/2017	15:06:15	0	0	0

Pine_16464_20180226

365	12/21/2017	15:07:15	0	0	0
366	12/21/2017	15:08:15	0	0	0
367	12/21/2017	15:09:15	0	0	0
368	12/21/2017	15:10:15	0	0	0
369	12/21/2017	15:11:15	0	0	0
370	12/21/2017	15:12:15	0	0	0
371	12/21/2017	15:13:15	0	0	0
372	12/21/2017	15:14:15	0	0	0
373	12/21/2017	15:15:15	0	0	0
374	12/21/2017	15:16:15	0	0	0
375	12/21/2017	15:17:15	0	0	0
376	12/21/2017	15:18:15	0	0	0
377	12/21/2017	15:19:15	0	0	0
378	12/21/2017	15:20:15	0	0	0
379	12/21/2017	15:21:15	0	0	0
380	12/21/2017	15:22:15	0	0	0
381	12/21/2017	15:23:15	0	0	0
382	12/21/2017	15:24:15	0	0	0
383	12/21/2017	15:25:15	0	0	0
384	12/21/2017	15:26:15	0	0	0
385	12/21/2017	15:27:15	0	0	0
386	12/21/2017	15:28:15	0	0	0
387	12/21/2017	15:29:15	0	0	0
388	12/21/2017	15:30:15	0	0	0
389	12/21/2017	15:31:15	0	0	0
390	12/21/2017	15:32:15	0	0	0
391	12/21/2017	15:33:15	0	0	0
392	12/21/2017	15:34:15	0	0	0
393	12/21/2017	15:35:15	0	0	0
394	12/21/2017	15:36:15	0	0	0
395	12/21/2017	15:37:15	0	0	0
396	12/21/2017	15:38:15	0	0	0
397	12/21/2017	15:39:15	0	0	0
398	12/21/2017	15:40:15	0	0	0
399	12/21/2017	15:41:15	0	0	0
400	12/21/2017	15:42:15	0	0	0
401	12/21/2017	15:43:15	0	0	0
402	12/21/2017	15:44:15	0	0	0
403	12/21/2017	15:45:15	0	0	0
404	12/21/2017	15:46:15	0	0	0
405	12/21/2017	15:47:15	0	0	0
406	12/21/2017	15:48:15	0	0	0
407	12/21/2017	15:49:15	0	0	0
408	12/21/2017	15:50:15	0	0	0
409	12/21/2017	15:51:15	0	0	0
410	12/21/2017	15:52:15	0	0	0
411	12/21/2017	15:53:15	0	0	0
412	12/21/2017	15:54:15	0	0	0

			Pine_16464_20180226		
413	12/21/2017	15:55:15	0	0	0
414	12/21/2017	15:56:15	0	0	0
415	12/21/2017	15:57:15	0	0	0
416	12/21/2017	15:58:15	0	0	0
417	12/21/2017	15:59:15	0	0	0
418	12/21/2017	16:00:15	0	0	0
419	12/21/2017	16:01:15	0	0	0
420	12/21/2017	16:02:15	0	0	0
421	12/21/2017	16:03:15	0	0	0
422	12/21/2017	16:04:15	0	0	0
423	12/21/2017	16:05:15	0	0	0
424	12/21/2017	16:06:15	0	0	0
425	12/21/2017	16:07:15	0	0	0
426	12/21/2017	16:08:15	0	0	0
427	12/21/2017	16:09:15	0	260	529
Peak		0	260	529	
Min		0	0	0	
Average		0	1	1	

=====

18/01/02 09:19

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Battery Low

Site ID 00000056

User ID 00000001

Begin 1/2/2018 09:19:02

End 1/2/2018 16:04:44

Sample Period(s) 60

Number of Records 405

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Pine_16464_20180226

Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/2/2018 09:20:02	0	0	0	0
002	1/2/2018 09:21:02	0	0	0	0
003	1/2/2018 09:22:02	0	0	0	0
004	1/2/2018 09:23:02	0	0	0	0
005	1/2/2018 09:24:02	0	0	0	0
006	1/2/2018 09:25:02	0	0	1	1
007	1/2/2018 09:26:02	0	16	44	44
008	1/2/2018 09:27:02	48	89	120	120
009	1/2/2018 09:28:02	115	148	193	193
010	1/2/2018 09:29:02	168	233	299	299
011	1/2/2018 09:30:02	231	294	355	355
012	1/2/2018 09:31:02	299	331	396	396
013	1/2/2018 09:32:02	397	420	448	448
014	1/2/2018 09:33:02	417	461	495	495
015	1/2/2018 09:34:02	411	471	527	527
016	1/2/2018 09:35:02	0	311	541	541
017	1/2/2018 09:36:02	0	0	0	0
018	1/2/2018 09:37:02	0	0	0	0
019	1/2/2018 09:38:02	0	0	0	0
020	1/2/2018 09:39:02	0	0	0	0
021	1/2/2018 09:40:02	0	0	0	0
022	1/2/2018 09:41:02	0	0	0	0
023	1/2/2018 09:42:02	0	0	0	0
024	1/2/2018 09:43:02	0	0	0	0
025	1/2/2018 09:44:02	0	0	0	0
026	1/2/2018 09:45:02	0	0	0	0
027	1/2/2018 09:46:02	0	0	0	0
028	1/2/2018 09:47:02	0	0	0	0
029	1/2/2018 09:48:02	0	0	0	0
030	1/2/2018 09:49:02	0	0	0	0
031	1/2/2018 09:50:02	0	0	0	0
032	1/2/2018 09:51:02	0	0	0	0
033	1/2/2018 09:52:02	0	0	0	0
034	1/2/2018 09:53:02	0	0	0	0
035	1/2/2018 09:54:02	0	0	0	0

			Pine_16464_20180226		
036	1/2/2018 09:55:02	0	0	0	
037	1/2/2018 09:56:02	0	0	0	
038	1/2/2018 09:57:02	0	0	0	
039	1/2/2018 09:58:02	0	0	0	
040	1/2/2018 09:59:02	0	0	0	
041	1/2/2018 10:00:02	0	0	0	
042	1/2/2018 10:01:02	0	0	0	
043	1/2/2018 10:02:02	0	0	0	
044	1/2/2018 10:03:02	0	0	0	
045	1/2/2018 10:04:02	0	0	0	
046	1/2/2018 10:05:02	0	0	0	
047	1/2/2018 10:06:02	0	0	0	
048	1/2/2018 10:07:02	0	0	0	
049	1/2/2018 10:08:02	0	0	0	
050	1/2/2018 10:09:02	0	0	0	
051	1/2/2018 10:10:02	0	0	0	
052	1/2/2018 10:11:02	0	0	0	
053	1/2/2018 10:12:02	0	0	0	
054	1/2/2018 10:13:02	0	0	0	
055	1/2/2018 10:14:02	0	0	0	
056	1/2/2018 10:15:02	0	0	0	
057	1/2/2018 10:16:02	0	0	0	
058	1/2/2018 10:17:02	0	0	0	
059	1/2/2018 10:18:02	0	0	0	
060	1/2/2018 10:19:02	0	0	0	
061	1/2/2018 10:20:02	0	0	0	
062	1/2/2018 10:21:02	0	0	0	
063	1/2/2018 10:22:02	0	0	0	
064	1/2/2018 10:23:02	0	0	0	
065	1/2/2018 10:24:02	0	0	0	
066	1/2/2018 10:25:02	0	0	0	
067	1/2/2018 10:26:02	0	0	0	
068	1/2/2018 10:27:02	0	0	0	
069	1/2/2018 10:28:02	0	0	0	
070	1/2/2018 10:29:02	0	0	0	
071	1/2/2018 10:30:02	0	0	0	
072	1/2/2018 10:31:02	0	0	0	
073	1/2/2018 10:32:02	0	0	0	
074	1/2/2018 10:33:02	0	0	0	
075	1/2/2018 10:34:02	0	0	0	
076	1/2/2018 10:35:02	0	0	0	
077	1/2/2018 10:36:02	0	0	0	
078	1/2/2018 10:37:02	0	0	0	
079	1/2/2018 10:38:02	0	0	0	
080	1/2/2018 10:39:02	0	0	0	
081	1/2/2018 10:40:02	0	0	0	
082	1/2/2018 10:41:02	0	0	0	
083	1/2/2018 10:42:02	0	0	0	

			Pine_16464_20180226		
084	1/2/2018	10:43:02	0	0	0
085	1/2/2018	10:44:02	0	0	0
086	1/2/2018	10:45:02	0	0	0
087	1/2/2018	10:46:02	0	0	0
088	1/2/2018	10:47:02	0	0	0
089	1/2/2018	10:48:02	0	0	0
090	1/2/2018	10:49:02	0	0	0
091	1/2/2018	10:50:02	0	0	0
092	1/2/2018	10:51:02	0	0	0
093	1/2/2018	10:52:02	0	0	0
094	1/2/2018	10:53:02	0	0	0
095	1/2/2018	10:54:02	0	0	0
096	1/2/2018	10:55:02	0	0	0
097	1/2/2018	10:56:02	0	0	0
098	1/2/2018	10:57:02	0	0	0
099	1/2/2018	10:58:02	0	0	0
100	1/2/2018	10:59:02	0	0	0
101	1/2/2018	11:00:02	0	0	0
102	1/2/2018	11:01:02	0	0	0
103	1/2/2018	11:02:02	0	0	0
104	1/2/2018	11:03:02	0	0	0
105	1/2/2018	11:04:02	0	0	0
106	1/2/2018	11:05:02	0	0	0
107	1/2/2018	11:06:02	0	0	0
108	1/2/2018	11:07:02	0	0	0
109	1/2/2018	11:08:02	0	0	0
110	1/2/2018	11:09:02	0	0	0
111	1/2/2018	11:10:02	0	0	0
112	1/2/2018	11:11:02	0	0	0
113	1/2/2018	11:12:02	0	0	0
114	1/2/2018	11:13:02	0	0	0
115	1/2/2018	11:14:02	0	0	0
116	1/2/2018	11:15:02	0	0	0
117	1/2/2018	11:16:02	0	0	0
118	1/2/2018	11:17:02	0	0	0
119	1/2/2018	11:18:02	0	0	0
120	1/2/2018	11:19:02	0	0	0
121	1/2/2018	11:20:02	0	0	0
122	1/2/2018	11:21:02	0	0	0
123	1/2/2018	11:22:02	0	0	0
124	1/2/2018	11:23:02	0	0	0
125	1/2/2018	11:24:02	0	0	0
126	1/2/2018	11:25:02	0	0	0
127	1/2/2018	11:26:02	0	0	0
128	1/2/2018	11:27:02	0	0	0
129	1/2/2018	11:28:02	0	0	0
130	1/2/2018	11:29:02	0	0	0
131	1/2/2018	11:30:02	0	0	0

			Pine_16464_20180226		
132	1/2/2018	11:31:02	0	0	0
133	1/2/2018	11:32:02	0	0	0
134	1/2/2018	11:33:02	0	0	0
135	1/2/2018	11:34:02	0	0	0
136	1/2/2018	11:35:02	0	0	0
137	1/2/2018	11:36:02	0	0	0
138	1/2/2018	11:37:02	0	0	0
139	1/2/2018	11:38:02	0	0	0
140	1/2/2018	11:39:02	0	0	0
141	1/2/2018	11:40:02	0	0	0
142	1/2/2018	11:41:02	0	0	0
143	1/2/2018	11:42:02	0	0	0
144	1/2/2018	11:43:02	0	0	0
145	1/2/2018	11:44:02	0	0	0
146	1/2/2018	11:45:02	0	0	0
147	1/2/2018	11:46:02	0	0	0
148	1/2/2018	11:47:02	0	0	0
149	1/2/2018	11:48:02	0	0	0
150	1/2/2018	11:49:02	0	0	0
151	1/2/2018	11:50:02	0	0	0
152	1/2/2018	11:51:02	0	0	0
153	1/2/2018	11:52:02	0	0	0
154	1/2/2018	11:53:02	0	0	0
155	1/2/2018	11:54:02	0	0	0
156	1/2/2018	11:55:02	0	0	0
157	1/2/2018	11:56:02	0	0	0
158	1/2/2018	11:57:02	0	0	0
159	1/2/2018	11:58:02	0	0	0
160	1/2/2018	11:59:02	0	0	0
161	1/2/2018	12:00:02	0	0	0
162	1/2/2018	12:01:02	0	0	0
163	1/2/2018	12:02:02	0	0	0
164	1/2/2018	12:03:02	0	0	0
165	1/2/2018	12:04:02	0	0	0
166	1/2/2018	12:05:02	0	0	0
167	1/2/2018	12:06:02	0	0	0
168	1/2/2018	12:07:02	0	0	0
169	1/2/2018	12:08:02	0	0	0
170	1/2/2018	12:09:02	0	0	0
171	1/2/2018	12:10:02	0	0	0
172	1/2/2018	12:11:02	0	0	0
173	1/2/2018	12:12:02	0	0	0
174	1/2/2018	12:13:02	0	0	0
175	1/2/2018	12:14:02	0	0	0
176	1/2/2018	12:15:02	0	0	0
177	1/2/2018	12:16:02	0	0	0
178	1/2/2018	12:17:02	0	0	0
179	1/2/2018	12:18:02	0	0	0

			Pine_16464_20180226		
180	1/2/2018	12:19:02	0	0	0
181	1/2/2018	12:20:02	0	0	0
182	1/2/2018	12:21:02	0	0	0
183	1/2/2018	12:22:02	0	0	0
184	1/2/2018	12:23:02	0	0	0
185	1/2/2018	12:24:02	0	0	0
186	1/2/2018	12:25:02	0	0	0
187	1/2/2018	12:26:02	0	0	0
188	1/2/2018	12:27:02	0	0	0
189	1/2/2018	12:28:02	0	0	0
190	1/2/2018	12:29:02	0	0	0
191	1/2/2018	12:30:02	0	0	0
192	1/2/2018	12:31:02	0	0	0
193	1/2/2018	12:32:02	0	0	0
194	1/2/2018	12:33:02	0	0	0
195	1/2/2018	12:34:02	0	0	0
196	1/2/2018	12:35:02	0	0	0
197	1/2/2018	12:36:02	0	0	0
198	1/2/2018	12:37:02	0	0	0
199	1/2/2018	12:38:02	0	0	0
200	1/2/2018	12:39:02	0	0	0
201	1/2/2018	12:40:02	0	0	0
202	1/2/2018	12:41:02	0	0	0
203	1/2/2018	12:42:02	0	0	0
204	1/2/2018	12:43:02	0	0	0
205	1/2/2018	12:44:02	0	0	0
206	1/2/2018	12:45:02	0	0	0
207	1/2/2018	12:46:02	0	0	0
208	1/2/2018	12:47:02	0	0	0
209	1/2/2018	12:48:02	0	0	0
210	1/2/2018	12:49:02	0	0	0
211	1/2/2018	12:50:02	0	0	0
212	1/2/2018	12:51:02	0	0	0
213	1/2/2018	12:52:02	0	0	0
214	1/2/2018	12:53:02	0	0	0
215	1/2/2018	12:54:02	0	0	0
216	1/2/2018	12:55:02	0	0	0
217	1/2/2018	12:56:02	0	0	0
218	1/2/2018	12:57:02	0	0	0
219	1/2/2018	12:58:02	0	0	0
220	1/2/2018	12:59:02	0	0	0
221	1/2/2018	13:00:02	0	0	0
222	1/2/2018	13:01:02	0	0	0
223	1/2/2018	13:02:02	0	0	0
224	1/2/2018	13:03:02	0	0	0
225	1/2/2018	13:04:02	0	0	0
226	1/2/2018	13:05:02	0	0	0
227	1/2/2018	13:06:02	0	0	0

			Pine_16464_20180226		
228	1/2/2018	13:07:02	0	0	0
229	1/2/2018	13:08:02	0	0	0
230	1/2/2018	13:09:02	0	0	0
231	1/2/2018	13:10:02	0	0	0
232	1/2/2018	13:11:02	0	0	0
233	1/2/2018	13:12:02	0	0	0
234	1/2/2018	13:13:02	0	0	0
235	1/2/2018	13:14:02	0	0	0
236	1/2/2018	13:15:02	0	0	0
237	1/2/2018	13:16:02	0	0	0
238	1/2/2018	13:17:02	0	0	0
239	1/2/2018	13:18:02	0	0	0
240	1/2/2018	13:19:02	0	0	0
241	1/2/2018	13:20:02	0	0	0
242	1/2/2018	13:21:02	0	0	0
243	1/2/2018	13:22:02	0	0	0
244	1/2/2018	13:23:02	0	0	0
245	1/2/2018	13:24:02	0	0	0
246	1/2/2018	13:25:02	0	0	0
247	1/2/2018	13:26:02	0	0	0
248	1/2/2018	13:27:02	0	0	0
249	1/2/2018	13:28:02	0	0	0
250	1/2/2018	13:29:02	0	0	0
251	1/2/2018	13:30:02	0	0	0
252	1/2/2018	13:31:02	0	0	0
253	1/2/2018	13:32:02	0	0	0
254	1/2/2018	13:33:02	0	0	0
255	1/2/2018	13:34:02	0	0	0
256	1/2/2018	13:35:02	0	0	0
257	1/2/2018	13:36:02	0	0	0
258	1/2/2018	13:37:02	0	0	0
259	1/2/2018	13:38:02	0	0	0
260	1/2/2018	13:39:02	0	0	0
261	1/2/2018	13:40:02	0	0	0
262	1/2/2018	13:41:02	0	0	0
263	1/2/2018	13:42:02	0	0	0
264	1/2/2018	13:43:02	0	0	0
265	1/2/2018	13:44:02	0	0	0
266	1/2/2018	13:45:02	0	0	0
267	1/2/2018	13:46:02	0	0	0
268	1/2/2018	13:47:02	0	0	0
269	1/2/2018	13:48:02	0	0	0
270	1/2/2018	13:49:02	0	0	0
271	1/2/2018	13:50:02	0	0	0
272	1/2/2018	13:51:02	0	113	436
273	1/2/2018	13:52:02	0	0	0
274	1/2/2018	13:53:02	0	0	0
275	1/2/2018	13:54:02	0	0	0

			Pine_16464_20180226		
276	1/2/2018	13:55:02	0	0	0
277	1/2/2018	13:56:02	0	0	0
278	1/2/2018	13:57:02	0	0	0
279	1/2/2018	13:58:02	0	0	0
280	1/2/2018	13:59:02	0	0	0
281	1/2/2018	14:00:02	0	0	0
282	1/2/2018	14:01:02	0	0	0
283	1/2/2018	14:02:02	0	0	0
284	1/2/2018	14:03:02	0	0	0
285	1/2/2018	14:04:02	0	0	0
286	1/2/2018	14:05:02	0	0	0
287	1/2/2018	14:06:02	0	0	0
288	1/2/2018	14:07:02	0	0	0
289	1/2/2018	14:08:02	0	0	0
290	1/2/2018	14:09:02	0	0	0
291	1/2/2018	14:10:02	0	0	0
292	1/2/2018	14:11:02	0	0	0
293	1/2/2018	14:12:02	0	0	0
294	1/2/2018	14:13:02	0	0	0
295	1/2/2018	14:14:02	0	0	0
296	1/2/2018	14:15:02	0	0	0
297	1/2/2018	14:16:02	0	0	0
298	1/2/2018	14:17:02	0	0	0
299	1/2/2018	14:18:02	0	0	0
300	1/2/2018	14:19:02	0	0	0
301	1/2/2018	14:20:02	0	0	0
302	1/2/2018	14:21:02	0	0	0
303	1/2/2018	14:22:02	0	0	0
304	1/2/2018	14:23:02	0	0	0
305	1/2/2018	14:24:02	0	0	0
306	1/2/2018	14:25:02	0	0	0
307	1/2/2018	14:26:02	0	0	0
308	1/2/2018	14:27:02	0	0	0
309	1/2/2018	14:28:02	0	0	0
310	1/2/2018	14:29:02	0	0	0
311	1/2/2018	14:30:02	0	0	0
312	1/2/2018	14:31:02	0	0	0
313	1/2/2018	14:32:02	0	0	0
314	1/2/2018	14:33:02	0	0	0
315	1/2/2018	14:34:02	0	0	0
316	1/2/2018	14:35:02	0	0	0
317	1/2/2018	14:36:02	0	0	0
318	1/2/2018	14:37:02	0	0	0
319	1/2/2018	14:38:02	0	0	0
320	1/2/2018	14:39:02	0	0	0
321	1/2/2018	14:40:02	0	0	0
322	1/2/2018	14:41:02	0	0	0
323	1/2/2018	14:42:02	0	0	0

Pine_16464_20180226

324	1/2/2018 14:43:02	0	0	0
325	1/2/2018 14:44:02	0	0	0
326	1/2/2018 14:45:02	0	0	0
327	1/2/2018 14:46:02	0	0	0
328	1/2/2018 14:47:02	0	0	0
329	1/2/2018 14:48:02	0	0	0
330	1/2/2018 14:49:02	0	0	0
331	1/2/2018 14:50:02	0	0	0
332	1/2/2018 14:51:02	0	0	0
333	1/2/2018 14:52:02	0	0	0
334	1/2/2018 14:53:02	0	0	0
335	1/2/2018 14:54:02	0	0	0
336	1/2/2018 14:55:02	0	0	0
337	1/2/2018 14:56:02	0	0	0
338	1/2/2018 14:57:02	0	0	0
339	1/2/2018 14:58:02	0	0	0
340	1/2/2018 14:59:02	0	0	0
341	1/2/2018 15:00:02	0	0	0
342	1/2/2018 15:01:02	0	0	0
343	1/2/2018 15:02:02	0	0	0
344	1/2/2018 15:03:02	0	0	0
345	1/2/2018 15:04:02	0	0	0
346	1/2/2018 15:05:02	0	0	0
347	1/2/2018 15:06:02	0	0	0
348	1/2/2018 15:07:02	0	0	0
349	1/2/2018 15:08:02	0	0	0
350	1/2/2018 15:09:02	0	0	0
351	1/2/2018 15:10:02	0	0	0
352	1/2/2018 15:11:02	0	0	0
353	1/2/2018 15:12:02	0	0	0
354	1/2/2018 15:13:02	0	0	0
355	1/2/2018 15:14:02	0	0	0
356	1/2/2018 15:15:02	0	0	0
357	1/2/2018 15:16:02	0	0	0
358	1/2/2018 15:17:02	0	0	0
359	1/2/2018 15:18:02	0	0	0
360	1/2/2018 15:19:02	0	0	0
361	1/2/2018 15:20:02	0	0	0
362	1/2/2018 15:21:02	0	0	0
363	1/2/2018 15:22:02	0	0	0
364	1/2/2018 15:23:02	0	0	0
365	1/2/2018 15:24:02	0	0	0
366	1/2/2018 15:25:02	0	0	0
367	1/2/2018 15:26:02	0	0	0
368	1/2/2018 15:27:02	0	0	0
369	1/2/2018 15:28:02	0	0	0
370	1/2/2018 15:29:02	0	0	0
371	1/2/2018 15:30:02	0	0	0

			Pine_16464_20180226		
372	1/2/2018	15:31:02	0	0	0
373	1/2/2018	15:32:02	0	0	0
374	1/2/2018	15:33:02	0	0	0
375	1/2/2018	15:34:02	0	0	0
376	1/2/2018	15:35:02	0	0	0
377	1/2/2018	15:36:02	0	3	21
378	1/2/2018	15:37:02	0	0	3
379	1/2/2018	15:38:02	0	0	0
380	1/2/2018	15:39:02	0	0	0
381	1/2/2018	15:40:02	0	0	0
382	1/2/2018	15:41:02	0	0	0
383	1/2/2018	15:42:02	0	0	0
384	1/2/2018	15:43:02	0	0	0
385	1/2/2018	15:44:02	0	0	0
386	1/2/2018	15:45:02	0	0	0
387	1/2/2018	15:46:02	0	0	0
388	1/2/2018	15:47:02	0	0	0
389	1/2/2018	15:48:02	0	0	0
390	1/2/2018	15:49:02	0	0	0
391	1/2/2018	15:50:02	0	0	0
392	1/2/2018	15:51:02	0	0	0
393	1/2/2018	15:52:02	0	0	0
394	1/2/2018	15:53:02	0	0	0
395	1/2/2018	15:54:02	0	0	0
396	1/2/2018	15:55:02	0	0	0
397	1/2/2018	15:56:02	0	0	0
398	1/2/2018	15:57:02	0	0	0
399	1/2/2018	15:58:02	0	0	0
400	1/2/2018	15:59:02	0	0	0
401	1/2/2018	16:00:02	0	1	17
402	1/2/2018	16:01:02	0	0	0
403	1/2/2018	16:02:02	0	0	4
404	1/2/2018	16:03:02	0	0	7
405	1/2/2018	16:04:02	0	1	8
Peak		417	471	541	
Min		0	0	0	
Average		5	7	10	

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18/01/02 16:30

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Pine_16464_20180226

Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 00000056
User ID 00000001

Begin 1/2/2018 16:30:27
End 1/2/2018 16:30:46
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11

Datalog

0 record.

=====
18/01/03 08:05

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Battery Low

Site ID 00000056
User ID 00000001

```

-----
Begin   1/3/2018 08:05:01
End     1/3/2018 09:09:32
Sample Period(s)      60
Number of Records     64
-----

```

```

-----
Sensor  VOC(ppb)
Span    100000
Span 2  N/A
Low Alarm      50000
High Alarm     100000
Over Alarm     15000000
STEL Alarm     25000
TWA Alarm      100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak         N/A
Min          N/A
Average      N/A

```

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/3/2018 08:06:01	93	277	386	
002	1/3/2018 08:07:01	330	373	422	
003	1/3/2018 08:08:01	356	435	526	
004	1/3/2018 08:09:01	387	512	586	
005	1/3/2018 08:10:01	381	479	603	
006	1/3/2018 08:11:01	423	467	553	
007	1/3/2018 08:12:01	380	488	602	
008	1/3/2018 08:13:01	342	434	532	
009	1/3/2018 08:14:01	355	452	571	
010	1/3/2018 08:15:01	0	348	1054	
011	1/3/2018 08:16:01	0	0	0	
012	1/3/2018 08:17:01	0	0	0	
013	1/3/2018 08:18:01	0	0	0	
014	1/3/2018 08:19:01	0	0	0	
015	1/3/2018 08:20:01	0	0	0	
016	1/3/2018 08:21:01	0	0	0	
017	1/3/2018 08:22:01	0	0	0	
018	1/3/2018 08:23:01	0	0	0	
019	1/3/2018 08:24:01	0	0	0	
020	1/3/2018 08:25:01	0	0	0	
021	1/3/2018 08:26:01	0	0	0	
022	1/3/2018 08:27:01	0	0	0	
023	1/3/2018 08:28:01	0	0	0	
024	1/3/2018 08:29:01	0	0	0	

			Pine_16464_20180226			
025	1/3/2018	08:30:01	0	0	0	
026	1/3/2018	08:31:01	0	0	0	
027	1/3/2018	08:32:01	0	0	0	
028	1/3/2018	08:33:01	0	0	0	
029	1/3/2018	08:34:01	0	0	0	
030	1/3/2018	08:35:01	0	0	0	
031	1/3/2018	08:36:01	0	0	0	
032	1/3/2018	08:37:01	0	0	0	
033	1/3/2018	08:38:01	0	0	0	
034	1/3/2018	08:39:01	0	0	0	
035	1/3/2018	08:40:01	0	0	0	
036	1/3/2018	08:41:01	0	0	0	
037	1/3/2018	08:42:01	0	0	0	
038	1/3/2018	08:43:01	0	0	0	
039	1/3/2018	08:44:01	0	0	0	
040	1/3/2018	08:45:01	0	0	0	
041	1/3/2018	08:46:01	0	0	0	
042	1/3/2018	08:47:01	0	0	0	
043	1/3/2018	08:48:01	0	0	0	
044	1/3/2018	08:49:01	0	0	0	
045	1/3/2018	08:50:01	0	0	0	
046	1/3/2018	08:51:01	0	0	0	
047	1/3/2018	08:52:01	0	0	0	
048	1/3/2018	08:53:01	0	0	0	
049	1/3/2018	08:54:01	0	0	0	
050	1/3/2018	08:55:01	0	0	0	
051	1/3/2018	08:56:01	0	0	0	
052	1/3/2018	08:57:01	0	0	0	
053	1/3/2018	08:58:01	0	0	0	
054	1/3/2018	08:59:01	0	0	0	
055	1/3/2018	09:00:01	0	0	0	
056	1/3/2018	09:01:01	0	0	0	
057	1/3/2018	09:02:01	0	0	0	
058	1/3/2018	09:03:01	0	0	0	
059	1/3/2018	09:04:01	0	0	0	
060	1/3/2018	09:05:01	0	0	0	
061	1/3/2018	09:06:01	0	0	0	
062	1/3/2018	09:07:01	0	0	0	
063	1/3/2018	09:08:01	0	0	0	
064	1/3/2018	09:09:01	0	0	0	
Peak		423	512	1054		
Min		0	0	0		
Average		48	67	91		

=====

18/01/03 16:17

Summary

Pine_16464_20180226

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 1/3/2018 16:17:38
End 1/3/2018 16:18:01
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11

Datalog

0 record.

=====

18/01/04 08:18

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous

Datalog Type Auto
 Diagnostic Mode No
 Stop Reason Battery Low

 Site ID 00000056
 User ID 00000001

Begin 1/4/2018 08:18:40
 End 1/4/2018 16:04:02
 Sample Period(s) 60
 Number of Records 465

Sensor VOC(ppb)
 Span 100000
 Span 2 N/A
 Low Alarm 50000
 High Alarm 100000
 Over Alarm 15000000
 STEL Alarm 25000
 TWA Alarm 100000
 Measurement Gas Isobutylene
 Calibration Time 10/19/2017 13:11
 Peak N/A
 Min N/A
 Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/4/2018 08:19:40		675	1288	1343
002	1/4/2018 08:20:40		959	1250	1339
003	1/4/2018 08:21:40		0	168	881
004	1/4/2018 08:22:40		0	0	0
005	1/4/2018 08:23:40		0	0	0
006	1/4/2018 08:24:40		0	0	0
007	1/4/2018 08:25:40		0	0	0
008	1/4/2018 08:26:40		0	0	0
009	1/4/2018 08:27:40		0	0	0
010	1/4/2018 08:28:40		0	0	0
011	1/4/2018 08:29:40		0	0	0
012	1/4/2018 08:30:40		0	0	0
013	1/4/2018 08:31:40		0	0	0
014	1/4/2018 08:32:40		0	0	0
015	1/4/2018 08:33:40		0	0	0
016	1/4/2018 08:34:40		0	0	0
017	1/4/2018 08:35:40		0	0	0
018	1/4/2018 08:36:40		0	0	0

		Pine_16464_20180226		
019	1/4/2018 08:37:40	0	0	0
020	1/4/2018 08:38:40	0	0	0
021	1/4/2018 08:39:40	0	0	0
022	1/4/2018 08:40:40	0	0	0
023	1/4/2018 08:41:40	0	0	0
024	1/4/2018 08:42:40	0	0	0
025	1/4/2018 08:43:40	0	0	0
026	1/4/2018 08:44:40	0	0	0
027	1/4/2018 08:45:40	0	0	0
028	1/4/2018 08:46:40	0	0	0
029	1/4/2018 08:47:40	0	0	0
030	1/4/2018 08:48:40	0	0	0
031	1/4/2018 08:49:40	0	0	0
032	1/4/2018 08:50:40	0	0	0
033	1/4/2018 08:51:40	0	0	0
034	1/4/2018 08:52:40	0	0	0
035	1/4/2018 08:53:40	0	0	0
036	1/4/2018 08:54:40	0	0	0
037	1/4/2018 08:55:40	0	0	0
038	1/4/2018 08:56:40	0	0	0
039	1/4/2018 08:57:40	0	0	0
040	1/4/2018 08:58:40	0	0	0
041	1/4/2018 08:59:40	0	0	0
042	1/4/2018 09:00:40	0	0	0
043	1/4/2018 09:01:40	0	0	0
044	1/4/2018 09:02:40	0	0	0
045	1/4/2018 09:03:40	0	0	0
046	1/4/2018 09:04:40	0	0	0
047	1/4/2018 09:05:40	0	0	0
048	1/4/2018 09:06:40	0	0	0
049	1/4/2018 09:07:40	0	0	0
050	1/4/2018 09:08:40	0	0	0
051	1/4/2018 09:09:40	0	0	0
052	1/4/2018 09:10:40	0	0	0
053	1/4/2018 09:11:40	0	0	0
054	1/4/2018 09:12:40	0	0	0
055	1/4/2018 09:13:40	0	0	0
056	1/4/2018 09:14:40	0	0	0
057	1/4/2018 09:15:40	0	0	0
058	1/4/2018 09:16:40	0	0	0
059	1/4/2018 09:17:40	0	0	0
060	1/4/2018 09:18:40	0	0	0
061	1/4/2018 09:19:40	0	0	0
062	1/4/2018 09:20:40	0	0	0
063	1/4/2018 09:21:40	0	0	0
064	1/4/2018 09:22:40	0	0	0
065	1/4/2018 09:23:40	0	0	0
066	1/4/2018 09:24:40	0	0	0

			Pine_16464_20180226		
067	1/4/2018 09:25:40	0	0	0	
068	1/4/2018 09:26:40	0	0	0	
069	1/4/2018 09:27:40	0	0	0	
070	1/4/2018 09:28:40	0	0	0	
071	1/4/2018 09:29:40	0	0	0	
072	1/4/2018 09:30:40	0	0	0	
073	1/4/2018 09:31:40	0	0	0	
074	1/4/2018 09:32:40	0	0	0	
075	1/4/2018 09:33:40	0	0	0	
076	1/4/2018 09:34:40	0	0	0	
077	1/4/2018 09:35:40	0	0	0	
078	1/4/2018 09:36:40	0	0	0	
079	1/4/2018 09:37:40	0	0	0	
080	1/4/2018 09:38:40	0	0	0	
081	1/4/2018 09:39:40	0	0	0	
082	1/4/2018 09:40:40	0	0	0	
083	1/4/2018 09:41:40	0	0	0	
084	1/4/2018 09:42:40	0	0	0	
085	1/4/2018 09:43:40	0	0	0	
086	1/4/2018 09:44:40	0	0	0	
087	1/4/2018 09:45:40	0	0	0	
088	1/4/2018 09:46:40	0	0	0	
089	1/4/2018 09:47:40	0	0	0	
090	1/4/2018 09:48:40	0	0	0	
091	1/4/2018 09:49:40	0	0	0	
092	1/4/2018 09:50:40	0	0	0	
093	1/4/2018 09:51:40	0	0	0	
094	1/4/2018 09:52:40	0	0	0	
095	1/4/2018 09:53:40	0	0	0	
096	1/4/2018 09:54:40	0	0	0	
097	1/4/2018 09:55:40	0	0	0	
098	1/4/2018 09:56:40	0	0	0	
099	1/4/2018 09:57:40	0	0	0	
100	1/4/2018 09:58:40	0	0	0	
101	1/4/2018 09:59:40	0	0	0	
102	1/4/2018 10:00:40	0	0	0	
103	1/4/2018 10:01:40	0	0	0	
104	1/4/2018 10:02:40	0	0	0	
105	1/4/2018 10:03:40	0	0	0	
106	1/4/2018 10:04:40	0	0	0	
107	1/4/2018 10:05:40	0	0	0	
108	1/4/2018 10:06:40	0	0	0	
109	1/4/2018 10:07:40	0	0	0	
110	1/4/2018 10:08:40	0	0	0	
111	1/4/2018 10:09:40	0	0	0	
112	1/4/2018 10:10:40	0	0	0	
113	1/4/2018 10:11:40	0	0	0	
114	1/4/2018 10:12:40	0	0	0	

			Pine_16464_20180226		
115	1/4/2018	10:13:40	0	0	0
116	1/4/2018	10:14:40	0	0	0
117	1/4/2018	10:15:40	0	0	0
118	1/4/2018	10:16:40	0	0	0
119	1/4/2018	10:17:40	0	0	0
120	1/4/2018	10:18:40	0	0	0
121	1/4/2018	10:19:40	0	0	0
122	1/4/2018	10:20:40	0	0	0
123	1/4/2018	10:21:40	0	0	0
124	1/4/2018	10:22:40	0	0	0
125	1/4/2018	10:23:40	0	0	0
126	1/4/2018	10:24:40	0	0	0
127	1/4/2018	10:25:40	0	0	0
128	1/4/2018	10:26:40	0	0	0
129	1/4/2018	10:27:40	0	0	0
130	1/4/2018	10:28:40	0	0	0
131	1/4/2018	10:29:40	0	0	0
132	1/4/2018	10:30:40	0	0	0
133	1/4/2018	10:31:40	0	0	0
134	1/4/2018	10:32:40	0	0	0
135	1/4/2018	10:33:40	0	0	0
136	1/4/2018	10:34:40	0	0	0
137	1/4/2018	10:35:40	0	0	0
138	1/4/2018	10:36:40	0	0	0
139	1/4/2018	10:37:40	0	0	0
140	1/4/2018	10:38:40	0	0	0
141	1/4/2018	10:39:40	0	0	0
142	1/4/2018	10:40:40	0	0	0
143	1/4/2018	10:41:40	0	0	0
144	1/4/2018	10:42:40	0	0	0
145	1/4/2018	10:43:40	0	0	0
146	1/4/2018	10:44:40	0	0	0
147	1/4/2018	10:45:40	0	0	0
148	1/4/2018	10:46:40	0	0	0
149	1/4/2018	10:47:40	0	0	0
150	1/4/2018	10:48:40	0	0	0
151	1/4/2018	10:49:40	0	0	0
152	1/4/2018	10:50:40	0	0	0
153	1/4/2018	10:51:40	0	0	0
154	1/4/2018	10:52:40	0	0	0
155	1/4/2018	10:53:40	0	0	0
156	1/4/2018	10:54:40	0	0	0
157	1/4/2018	10:55:40	0	0	0
158	1/4/2018	10:56:40	0	0	0
159	1/4/2018	10:57:40	0	0	0
160	1/4/2018	10:58:40	0	0	0
161	1/4/2018	10:59:40	0	0	0
162	1/4/2018	11:00:40	0	0	0

			Pine_16464_20180226		
163	1/4/2018	11:01:40	0	0	0
164	1/4/2018	11:02:40	0	0	0
165	1/4/2018	11:03:40	0	0	0
166	1/4/2018	11:04:40	0	0	0
167	1/4/2018	11:05:40	0	0	0
168	1/4/2018	11:06:40	0	0	0
169	1/4/2018	11:07:40	0	0	0
170	1/4/2018	11:08:40	0	0	0
171	1/4/2018	11:09:40	0	0	0
172	1/4/2018	11:10:40	0	0	0
173	1/4/2018	11:11:40	0	0	0
174	1/4/2018	11:12:40	0	0	0
175	1/4/2018	11:13:40	0	0	0
176	1/4/2018	11:14:40	0	0	0
177	1/4/2018	11:15:40	0	0	0
178	1/4/2018	11:16:40	0	0	0
179	1/4/2018	11:17:40	0	0	0
180	1/4/2018	11:18:40	0	0	0
181	1/4/2018	11:19:40	0	0	0
182	1/4/2018	11:20:40	0	0	0
183	1/4/2018	11:21:40	0	0	0
184	1/4/2018	11:22:40	0	0	0
185	1/4/2018	11:23:40	0	0	0
186	1/4/2018	11:24:40	0	0	0
187	1/4/2018	11:25:40	0	0	0
188	1/4/2018	11:26:40	0	0	0
189	1/4/2018	11:27:40	0	0	0
190	1/4/2018	11:28:40	0	0	0
191	1/4/2018	11:29:40	0	0	0
192	1/4/2018	11:30:40	0	0	0
193	1/4/2018	11:31:40	0	0	0
194	1/4/2018	11:32:40	0	0	0
195	1/4/2018	11:33:40	0	0	0
196	1/4/2018	11:34:40	0	0	0
197	1/4/2018	11:35:40	0	0	0
198	1/4/2018	11:36:40	0	0	0
199	1/4/2018	11:37:40	0	0	0
200	1/4/2018	11:38:40	0	0	0
201	1/4/2018	11:39:40	0	0	0
202	1/4/2018	11:40:40	0	0	0
203	1/4/2018	11:41:40	0	0	0
204	1/4/2018	11:42:40	0	0	0
205	1/4/2018	11:43:40	0	0	0
206	1/4/2018	11:44:40	0	0	0
207	1/4/2018	11:45:40	0	0	0
208	1/4/2018	11:46:40	0	0	0
209	1/4/2018	11:47:40	0	0	0
210	1/4/2018	11:48:40	0	0	0

			Pine_16464_20180226		
211	1/4/2018	11:49:40	0	0	0
212	1/4/2018	11:50:40	0	0	0
213	1/4/2018	11:51:40	0	0	0
214	1/4/2018	11:52:40	0	0	0
215	1/4/2018	11:53:40	0	0	0
216	1/4/2018	11:54:40	0	0	0
217	1/4/2018	11:55:40	0	0	0
218	1/4/2018	11:56:40	0	0	0
219	1/4/2018	11:57:40	0	0	0
220	1/4/2018	11:58:40	0	0	0
221	1/4/2018	11:59:40	0	0	0
222	1/4/2018	12:00:40	0	0	0
223	1/4/2018	12:01:40	0	0	0
224	1/4/2018	12:02:40	0	0	0
225	1/4/2018	12:03:40	0	0	0
226	1/4/2018	12:04:40	0	0	0
227	1/4/2018	12:05:40	0	0	0
228	1/4/2018	12:06:40	0	0	0
229	1/4/2018	12:07:40	0	0	0
230	1/4/2018	12:08:40	0	0	0
231	1/4/2018	12:09:40	0	0	0
232	1/4/2018	12:10:40	0	0	0
233	1/4/2018	12:11:40	0	0	0
234	1/4/2018	12:12:40	0	0	0
235	1/4/2018	12:13:40	0	0	0
236	1/4/2018	12:14:40	0	0	0
237	1/4/2018	12:15:40	0	0	0
238	1/4/2018	12:16:40	0	0	0
239	1/4/2018	12:17:40	0	0	0
240	1/4/2018	12:18:40	0	0	0
241	1/4/2018	12:19:40	0	0	0
242	1/4/2018	12:20:40	0	0	0
243	1/4/2018	12:21:40	0	0	0
244	1/4/2018	12:22:40	0	0	0
245	1/4/2018	12:23:40	0	0	0
246	1/4/2018	12:24:40	0	0	0
247	1/4/2018	12:25:40	0	0	0
248	1/4/2018	12:26:40	0	0	0
249	1/4/2018	12:27:40	0	0	0
250	1/4/2018	12:28:40	0	0	0
251	1/4/2018	12:29:40	0	0	0
252	1/4/2018	12:30:40	0	0	0
253	1/4/2018	12:31:40	0	0	0
254	1/4/2018	12:32:40	0	0	0
255	1/4/2018	12:33:40	0	0	0
256	1/4/2018	12:34:40	0	0	0
257	1/4/2018	12:35:40	0	0	0
258	1/4/2018	12:36:40	0	0	0

			Pine_16464_20180226		
259	1/4/2018	12:37:40	0	0	0
260	1/4/2018	12:38:40	0	0	0
261	1/4/2018	12:39:40	0	0	0
262	1/4/2018	12:40:40	0	0	0
263	1/4/2018	12:41:40	0	0	0
264	1/4/2018	12:42:40	0	0	0
265	1/4/2018	12:43:40	0	0	0
266	1/4/2018	12:44:40	0	0	0
267	1/4/2018	12:45:40	0	0	0
268	1/4/2018	12:46:40	0	0	0
269	1/4/2018	12:47:40	0	0	0
270	1/4/2018	12:48:40	0	0	0
271	1/4/2018	12:49:40	0	0	0
272	1/4/2018	12:50:40	0	0	0
273	1/4/2018	12:51:40	0	0	0
274	1/4/2018	12:52:40	0	0	0
275	1/4/2018	12:53:40	0	0	0
276	1/4/2018	12:54:40	0	0	0
277	1/4/2018	12:55:40	0	0	0
278	1/4/2018	12:56:40	0	0	0
279	1/4/2018	12:57:40	0	0	0
280	1/4/2018	12:58:40	0	0	0
281	1/4/2018	12:59:40	0	0	0
282	1/4/2018	13:00:40	0	0	0
283	1/4/2018	13:01:40	0	0	0
284	1/4/2018	13:02:40	0	0	0
285	1/4/2018	13:03:40	0	0	0
286	1/4/2018	13:04:40	0	0	0
287	1/4/2018	13:05:40	0	0	0
288	1/4/2018	13:06:40	0	0	0
289	1/4/2018	13:07:40	0	0	0
290	1/4/2018	13:08:40	0	0	0
291	1/4/2018	13:09:40	0	0	0
292	1/4/2018	13:10:40	0	0	0
293	1/4/2018	13:11:40	0	0	0
294	1/4/2018	13:12:40	0	0	0
295	1/4/2018	13:13:40	0	0	0
296	1/4/2018	13:14:40	0	0	0
297	1/4/2018	13:15:40	0	0	0
298	1/4/2018	13:16:40	0	0	0
299	1/4/2018	13:17:40	0	0	0
300	1/4/2018	13:18:40	0	0	0
301	1/4/2018	13:19:40	0	0	0
302	1/4/2018	13:20:40	0	0	0
303	1/4/2018	13:21:40	0	0	0
304	1/4/2018	13:22:40	0	0	0
305	1/4/2018	13:23:40	0	0	0
306	1/4/2018	13:24:40	0	0	0

Pine_16464_20180226

307	1/4/2018 13:25:40	0	0	0
308	1/4/2018 13:26:40	0	0	0
309	1/4/2018 13:27:40	0	0	0
310	1/4/2018 13:28:40	0	0	0
311	1/4/2018 13:29:40	0	0	0
312	1/4/2018 13:30:40	0	0	0
313	1/4/2018 13:31:40	0	0	0
314	1/4/2018 13:32:40	0	0	0
315	1/4/2018 13:33:40	0	0	0
316	1/4/2018 13:34:40	0	0	0
317	1/4/2018 13:35:40	0	0	0
318	1/4/2018 13:36:40	0	0	0
319	1/4/2018 13:37:40	0	0	0
320	1/4/2018 13:38:40	0	0	0
321	1/4/2018 13:39:40	0	0	0
322	1/4/2018 13:40:40	0	0	0
323	1/4/2018 13:41:40	0	0	0
324	1/4/2018 13:42:40	0	0	0
325	1/4/2018 13:43:40	0	0	0
326	1/4/2018 13:44:40	0	0	0
327	1/4/2018 13:45:40	0	0	0
328	1/4/2018 13:46:40	0	0	0
329	1/4/2018 13:47:40	0	0	0
330	1/4/2018 13:48:40	0	0	0
331	1/4/2018 13:49:40	0	0	0
332	1/4/2018 13:50:40	0	0	0
333	1/4/2018 13:51:40	0	0	0
334	1/4/2018 13:52:40	0	0	0
335	1/4/2018 13:53:40	0	0	0
336	1/4/2018 13:54:40	0	0	0
337	1/4/2018 13:55:40	0	0	0
338	1/4/2018 13:56:40	0	0	0
339	1/4/2018 13:57:40	0	0	0
340	1/4/2018 13:58:40	0	0	0
341	1/4/2018 13:59:40	0	0	0
342	1/4/2018 14:00:40	0	0	0
343	1/4/2018 14:01:40	0	0	0
344	1/4/2018 14:02:40	0	0	0
345	1/4/2018 14:03:40	0	0	0
346	1/4/2018 14:04:40	0	0	0
347	1/4/2018 14:05:40	0	0	0
348	1/4/2018 14:06:40	0	0	0
349	1/4/2018 14:07:40	0	0	0
350	1/4/2018 14:08:40	0	0	0
351	1/4/2018 14:09:40	0	0	0
352	1/4/2018 14:10:40	0	0	0
353	1/4/2018 14:11:40	0	0	0
354	1/4/2018 14:12:40	0	0	0

			Pine_16464_20180226		
355	1/4/2018	14:13:40	0	0	0
356	1/4/2018	14:14:40	0	0	0
357	1/4/2018	14:15:40	0	0	0
358	1/4/2018	14:16:40	0	0	0
359	1/4/2018	14:17:40	0	0	0
360	1/4/2018	14:18:40	0	0	0
361	1/4/2018	14:19:40	0	0	0
362	1/4/2018	14:20:40	0	0	0
363	1/4/2018	14:21:40	0	0	0
364	1/4/2018	14:22:40	0	0	0
365	1/4/2018	14:23:40	0	0	0
366	1/4/2018	14:24:40	0	0	0
367	1/4/2018	14:25:40	0	0	0
368	1/4/2018	14:26:40	0	0	0
369	1/4/2018	14:27:40	0	0	0
370	1/4/2018	14:28:40	0	0	0
371	1/4/2018	14:29:40	0	0	0
372	1/4/2018	14:30:40	0	0	0
373	1/4/2018	14:31:40	0	0	0
374	1/4/2018	14:32:40	0	0	0
375	1/4/2018	14:33:40	0	0	0
376	1/4/2018	14:34:40	0	0	0
377	1/4/2018	14:35:40	0	0	0
378	1/4/2018	14:36:40	0	0	0
379	1/4/2018	14:37:40	0	0	0
380	1/4/2018	14:38:40	0	0	0
381	1/4/2018	14:39:40	0	0	0
382	1/4/2018	14:40:40	0	0	0
383	1/4/2018	14:41:40	0	0	0
384	1/4/2018	14:42:40	0	0	0
385	1/4/2018	14:43:40	0	0	0
386	1/4/2018	14:44:40	0	0	0
387	1/4/2018	14:45:40	0	0	0
388	1/4/2018	14:46:40	0	0	0
389	1/4/2018	14:47:40	0	0	0
390	1/4/2018	14:48:40	0	0	0
391	1/4/2018	14:49:40	0	0	0
392	1/4/2018	14:50:40	0	0	0
393	1/4/2018	14:51:40	0	0	0
394	1/4/2018	14:52:40	0	0	0
395	1/4/2018	14:53:40	0	0	0
396	1/4/2018	14:54:40	0	0	0
397	1/4/2018	14:55:40	0	0	0
398	1/4/2018	14:56:40	0	0	0
399	1/4/2018	14:57:40	0	0	0
400	1/4/2018	14:58:40	0	0	0
401	1/4/2018	14:59:40	0	0	0
402	1/4/2018	15:00:40	0	0	0

			Pine_16464_20180226		
403	1/4/2018	15:01:40	0	0	0
404	1/4/2018	15:02:40	0	0	0
405	1/4/2018	15:03:40	0	0	0
406	1/4/2018	15:04:40	0	0	0
407	1/4/2018	15:05:40	0	0	0
408	1/4/2018	15:06:40	0	0	0
409	1/4/2018	15:07:40	0	0	0
410	1/4/2018	15:08:40	0	0	0
411	1/4/2018	15:09:40	0	0	0
412	1/4/2018	15:10:40	0	0	0
413	1/4/2018	15:11:40	0	0	0
414	1/4/2018	15:12:40	0	0	0
415	1/4/2018	15:13:40	0	0	0
416	1/4/2018	15:14:40	0	0	0
417	1/4/2018	15:15:40	0	0	0
418	1/4/2018	15:16:40	0	0	0
419	1/4/2018	15:17:40	0	0	0
420	1/4/2018	15:18:40	0	0	0
421	1/4/2018	15:19:40	0	0	0
422	1/4/2018	15:20:40	0	0	0
423	1/4/2018	15:21:40	0	0	0
424	1/4/2018	15:22:40	0	0	0
425	1/4/2018	15:23:40	0	0	0
426	1/4/2018	15:24:40	0	0	0
427	1/4/2018	15:25:40	0	0	0
428	1/4/2018	15:26:40	0	0	0
429	1/4/2018	15:27:40	0	0	0
430	1/4/2018	15:28:40	0	0	0
431	1/4/2018	15:29:40	0	0	0
432	1/4/2018	15:30:40	0	0	0
433	1/4/2018	15:31:40	0	0	0
434	1/4/2018	15:32:40	0	0	0
435	1/4/2018	15:33:40	0	0	0
436	1/4/2018	15:34:40	0	0	0
437	1/4/2018	15:35:40	0	0	0
438	1/4/2018	15:36:40	0	0	0
439	1/4/2018	15:37:40	0	0	0
440	1/4/2018	15:38:40	0	0	0
441	1/4/2018	15:39:40	0	0	0
442	1/4/2018	15:40:40	0	0	0
443	1/4/2018	15:41:40	0	0	0
444	1/4/2018	15:42:40	0	0	0
445	1/4/2018	15:43:40	0	0	0
446	1/4/2018	15:44:40	0	0	0
447	1/4/2018	15:45:40	0	0	0
448	1/4/2018	15:46:40	0	0	0
449	1/4/2018	15:47:40	0	0	0
450	1/4/2018	15:48:40	0	0	0

			Pine_16464_20180226		
451	1/4/2018	15:49:40	0	0	0
452	1/4/2018	15:50:40	0	0	0
453	1/4/2018	15:51:40	0	0	0
454	1/4/2018	15:52:40	0	0	0
455	1/4/2018	15:53:40	0	0	0
456	1/4/2018	15:54:40	0	0	0
457	1/4/2018	15:55:40	0	0	0
458	1/4/2018	15:56:40	0	0	0
459	1/4/2018	15:57:40	0	0	0
460	1/4/2018	15:58:40	0	0	0
461	1/4/2018	15:59:40	0	0	0
462	1/4/2018	16:00:40	0	0	0
463	1/4/2018	16:01:40	0	2	51
464	1/4/2018	16:02:40	0	46	632
465	1/4/2018	16:03:40	0	0	0
Peak		959	1288	1343	
Min		0	0	0	
Average		4	6	9	

=====

18/01/04 16:13

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

Begin 1/4/2018 16:13:10

End 1/4/2018 16:13:23

Sample Period(s) 60

Number of Records 0

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Pine_16464_20180226

Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11

Datalog

0 record.

=====

18/01/08 09:14

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 1/8/2018 09:14:35
End 1/8/2018 16:00:56
Sample Period(s) 60
Number of Records 406

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Pine_16464_20180226

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/8/2018 09:15:35	0	0	0	0
002	1/8/2018 09:16:35	0	0	0	0
003	1/8/2018 09:17:35	0	0	0	0
004	1/8/2018 09:18:35	0	0	0	0
005	1/8/2018 09:19:35	0	0	0	0
006	1/8/2018 09:20:35	0	0	0	0
007	1/8/2018 09:21:35	0	0	0	0
008	1/8/2018 09:22:35	0	0	0	0
009	1/8/2018 09:23:35	0	0	0	0
010	1/8/2018 09:24:35	0	0	0	0
011	1/8/2018 09:25:35	0	0	0	0
012	1/8/2018 09:26:35	0	0	0	0
013	1/8/2018 09:27:35	0	0	0	0
014	1/8/2018 09:28:35	0	0	0	0
015	1/8/2018 09:29:35	0	0	0	0
016	1/8/2018 09:30:35	0	0	0	0
017	1/8/2018 09:31:35	0	0	0	0
018	1/8/2018 09:32:35	0	0	0	0
019	1/8/2018 09:33:35	0	0	0	0
020	1/8/2018 09:34:35	0	0	0	0
021	1/8/2018 09:35:35	0	0	0	0
022	1/8/2018 09:36:35	0	0	0	0
023	1/8/2018 09:37:35	0	0	0	0
024	1/8/2018 09:38:35	0	0	0	0
025	1/8/2018 09:39:35	0	0	0	0
026	1/8/2018 09:40:35	0	0	0	0
027	1/8/2018 09:41:35	0	0	0	0
028	1/8/2018 09:42:35	0	0	0	0
029	1/8/2018 09:43:35	0	0	0	0
030	1/8/2018 09:44:35	0	0	0	0
031	1/8/2018 09:45:35	0	0	0	0
032	1/8/2018 09:46:35	0	0	0	0
033	1/8/2018 09:47:35	0	0	0	0
034	1/8/2018 09:48:35	0	0	0	0
035	1/8/2018 09:49:35	0	0	0	0
036	1/8/2018 09:50:35	0	0	0	0
037	1/8/2018 09:51:35	0	0	0	0
038	1/8/2018 09:52:35	0	0	0	0
039	1/8/2018 09:53:35	0	0	0	0
040	1/8/2018 09:54:35	0	0	0	0
041	1/8/2018 09:55:35	0	0	0	0
042	1/8/2018 09:56:35	0	0	0	0
043	1/8/2018 09:57:35	0	0	0	0

			Pine_16464_20180226		
044	1/8/2018	09:58:35	0	0	0
045	1/8/2018	09:59:35	0	0	0
046	1/8/2018	10:00:35	0	0	0
047	1/8/2018	10:01:35	0	0	0
048	1/8/2018	10:02:35	0	0	0
049	1/8/2018	10:03:35	0	0	0
050	1/8/2018	10:04:35	0	0	0
051	1/8/2018	10:05:35	0	0	0
052	1/8/2018	10:06:35	0	0	0
053	1/8/2018	10:07:35	0	0	0
054	1/8/2018	10:08:35	0	0	0
055	1/8/2018	10:09:35	0	0	0
056	1/8/2018	10:10:35	0	0	0
057	1/8/2018	10:11:35	0	0	0
058	1/8/2018	10:12:35	0	0	0
059	1/8/2018	10:13:35	0	0	0
060	1/8/2018	10:14:35	0	0	0
061	1/8/2018	10:15:35	0	0	0
062	1/8/2018	10:16:35	0	0	0
063	1/8/2018	10:17:35	0	0	0
064	1/8/2018	10:18:35	0	0	0
065	1/8/2018	10:19:35	0	0	0
066	1/8/2018	10:20:35	0	0	0
067	1/8/2018	10:21:35	0	0	0
068	1/8/2018	10:22:35	0	0	0
069	1/8/2018	10:23:35	0	0	0
070	1/8/2018	10:24:35	0	0	0
071	1/8/2018	10:25:35	0	0	0
072	1/8/2018	10:26:35	0	0	0
073	1/8/2018	10:27:35	0	0	0
074	1/8/2018	10:28:35	0	0	0
075	1/8/2018	10:29:35	0	0	0
076	1/8/2018	10:30:35	0	0	0
077	1/8/2018	10:31:35	0	0	0
078	1/8/2018	10:32:35	0	0	0
079	1/8/2018	10:33:35	0	0	0
080	1/8/2018	10:34:35	0	0	0
081	1/8/2018	10:35:35	0	0	0
082	1/8/2018	10:36:35	0	0	0
083	1/8/2018	10:37:35	0	0	0
084	1/8/2018	10:38:35	0	0	0
085	1/8/2018	10:39:35	0	0	0
086	1/8/2018	10:40:35	0	0	0
087	1/8/2018	10:41:35	0	0	0
088	1/8/2018	10:42:35	0	0	0
089	1/8/2018	10:43:35	0	0	0
090	1/8/2018	10:44:35	0	0	0
091	1/8/2018	10:45:35	0	0	0

			Pine_16464_20180226		
092	1/8/2018	10:46:35	0	0	0
093	1/8/2018	10:47:35	0	0	0
094	1/8/2018	10:48:35	0	0	0
095	1/8/2018	10:49:35	0	0	0
096	1/8/2018	10:50:35	0	0	0
097	1/8/2018	10:51:35	0	0	0
098	1/8/2018	10:52:35	0	0	0
099	1/8/2018	10:53:35	0	0	0
100	1/8/2018	10:54:35	0	0	0
101	1/8/2018	10:55:35	0	0	0
102	1/8/2018	10:56:35	0	0	0
103	1/8/2018	10:57:35	0	0	0
104	1/8/2018	10:58:35	0	0	0
105	1/8/2018	10:59:35	0	0	0
106	1/8/2018	11:00:35	0	0	0
107	1/8/2018	11:01:35	0	0	0
108	1/8/2018	11:02:35	0	0	0
109	1/8/2018	11:03:35	0	0	0
110	1/8/2018	11:04:35	0	0	0
111	1/8/2018	11:05:35	0	0	0
112	1/8/2018	11:06:35	0	0	0
113	1/8/2018	11:07:35	0	0	0
114	1/8/2018	11:08:35	0	0	0
115	1/8/2018	11:09:35	0	0	0
116	1/8/2018	11:10:35	0	0	0
117	1/8/2018	11:11:35	0	0	0
118	1/8/2018	11:12:35	0	0	0
119	1/8/2018	11:13:35	0	0	0
120	1/8/2018	11:14:35	0	0	0
121	1/8/2018	11:15:35	0	0	0
122	1/8/2018	11:16:35	0	0	0
123	1/8/2018	11:17:35	0	0	0
124	1/8/2018	11:18:35	0	0	0
125	1/8/2018	11:19:35	0	0	0
126	1/8/2018	11:20:35	0	0	0
127	1/8/2018	11:21:35	0	0	0
128	1/8/2018	11:22:35	0	0	0
129	1/8/2018	11:23:35	0	0	0
130	1/8/2018	11:24:35	0	0	0
131	1/8/2018	11:25:35	0	0	0
132	1/8/2018	11:26:35	0	0	0
133	1/8/2018	11:27:35	0	0	0
134	1/8/2018	11:28:35	0	0	0
135	1/8/2018	11:29:35	0	0	0
136	1/8/2018	11:30:35	0	0	0
137	1/8/2018	11:31:35	0	0	0
138	1/8/2018	11:32:35	0	0	0
139	1/8/2018	11:33:35	0	0	0

			Pine_16464_20180226		
140	1/8/2018	11:34:35	0	0	0
141	1/8/2018	11:35:35	0	0	0
142	1/8/2018	11:36:35	0	0	0
143	1/8/2018	11:37:35	0	0	0
144	1/8/2018	11:38:35	0	0	0
145	1/8/2018	11:39:35	0	0	0
146	1/8/2018	11:40:35	0	0	0
147	1/8/2018	11:41:35	0	0	0
148	1/8/2018	11:42:35	0	0	0
149	1/8/2018	11:43:35	0	0	0
150	1/8/2018	11:44:35	0	0	0
151	1/8/2018	11:45:35	0	0	0
152	1/8/2018	11:46:35	0	0	0
153	1/8/2018	11:47:35	0	0	0
154	1/8/2018	11:48:35	0	0	0
155	1/8/2018	11:49:35	0	0	0
156	1/8/2018	11:50:35	0	0	0
157	1/8/2018	11:51:35	0	0	0
158	1/8/2018	11:52:35	0	0	0
159	1/8/2018	11:53:35	0	0	0
160	1/8/2018	11:54:35	0	0	0
161	1/8/2018	11:55:35	0	0	0
162	1/8/2018	11:56:35	0	0	0
163	1/8/2018	11:57:35	0	0	0
164	1/8/2018	11:58:35	0	0	0
165	1/8/2018	11:59:35	0	0	0
166	1/8/2018	12:00:35	0	0	0
167	1/8/2018	12:01:35	0	0	0
168	1/8/2018	12:02:35	0	0	0
169	1/8/2018	12:03:35	0	0	0
170	1/8/2018	12:04:35	0	0	0
171	1/8/2018	12:05:35	0	0	0
172	1/8/2018	12:06:35	0	0	0
173	1/8/2018	12:07:35	0	0	0
174	1/8/2018	12:08:35	0	0	0
175	1/8/2018	12:09:35	0	0	0
176	1/8/2018	12:10:35	0	0	0
177	1/8/2018	12:11:35	0	0	0
178	1/8/2018	12:12:35	0	0	0
179	1/8/2018	12:13:35	0	0	0
180	1/8/2018	12:14:35	0	0	0
181	1/8/2018	12:15:35	0	0	0
182	1/8/2018	12:16:35	0	0	0
183	1/8/2018	12:17:35	0	0	0
184	1/8/2018	12:18:35	0	0	0
185	1/8/2018	12:19:35	0	0	0
186	1/8/2018	12:20:35	0	0	0
187	1/8/2018	12:21:35	0	0	0

			Pine_16464_20180226		
188	1/8/2018	12:22:35	0	0	0
189	1/8/2018	12:23:35	0	0	0
190	1/8/2018	12:24:35	0	0	0
191	1/8/2018	12:25:35	0	0	0
192	1/8/2018	12:26:35	0	0	0
193	1/8/2018	12:27:35	0	0	0
194	1/8/2018	12:28:35	0	0	0
195	1/8/2018	12:29:35	0	0	0
196	1/8/2018	12:30:35	0	0	0
197	1/8/2018	12:31:35	0	0	0
198	1/8/2018	12:32:35	0	0	0
199	1/8/2018	12:33:35	0	0	0
200	1/8/2018	12:34:35	0	0	0
201	1/8/2018	12:35:35	0	0	0
202	1/8/2018	12:36:35	0	0	0
203	1/8/2018	12:37:35	0	0	0
204	1/8/2018	12:38:35	0	0	0
205	1/8/2018	12:39:35	0	0	0
206	1/8/2018	12:40:35	0	0	0
207	1/8/2018	12:41:35	0	0	0
208	1/8/2018	12:42:35	0	0	0
209	1/8/2018	12:43:35	0	0	0
210	1/8/2018	12:44:35	0	0	0
211	1/8/2018	12:45:35	0	0	0
212	1/8/2018	12:46:35	0	0	0
213	1/8/2018	12:47:35	0	0	0
214	1/8/2018	12:48:35	0	0	0
215	1/8/2018	12:49:35	0	0	0
216	1/8/2018	12:50:35	0	0	0
217	1/8/2018	12:51:35	0	0	0
218	1/8/2018	12:52:35	0	0	0
219	1/8/2018	12:53:35	0	0	0
220	1/8/2018	12:54:35	0	0	0
221	1/8/2018	12:55:35	0	0	0
222	1/8/2018	12:56:35	0	0	0
223	1/8/2018	12:57:35	0	0	0
224	1/8/2018	12:58:35	0	0	0
225	1/8/2018	12:59:35	0	0	0
226	1/8/2018	13:00:35	0	0	0
227	1/8/2018	13:01:35	0	60	249
228	1/8/2018	13:02:35	0	0	6
229	1/8/2018	13:03:35	0	0	0
230	1/8/2018	13:04:35	0	0	0
231	1/8/2018	13:05:35	0	0	0
232	1/8/2018	13:06:35	0	0	0
233	1/8/2018	13:07:35	0	0	0
234	1/8/2018	13:08:35	0	0	0
235	1/8/2018	13:09:35	0	0	0

			Pine_16464_20180226		
236	1/8/2018	13:10:35	0	6	97
237	1/8/2018	13:11:35	0	0	0
238	1/8/2018	13:12:35	0	0	0
239	1/8/2018	13:13:35	0	0	0
240	1/8/2018	13:14:35	0	0	0
241	1/8/2018	13:15:35	0	0	0
242	1/8/2018	13:16:35	0	0	0
243	1/8/2018	13:17:35	0	0	0
244	1/8/2018	13:18:35	0	0	0
245	1/8/2018	13:19:35	0	0	0
246	1/8/2018	13:20:35	0	0	0
247	1/8/2018	13:21:35	0	0	0
248	1/8/2018	13:22:35	0	0	0
249	1/8/2018	13:23:35	0	0	0
250	1/8/2018	13:24:35	0	0	0
251	1/8/2018	13:25:35	0	0	0
252	1/8/2018	13:26:35	0	0	0
253	1/8/2018	13:27:35	0	0	0
254	1/8/2018	13:28:35	0	0	0
255	1/8/2018	13:29:35	0	0	0
256	1/8/2018	13:30:35	0	0	0
257	1/8/2018	13:31:35	0	0	0
258	1/8/2018	13:32:35	0	0	0
259	1/8/2018	13:33:35	0	0	0
260	1/8/2018	13:34:35	0	0	0
261	1/8/2018	13:35:35	0	0	0
262	1/8/2018	13:36:35	0	0	0
263	1/8/2018	13:37:35	0	0	0
264	1/8/2018	13:38:35	0	0	0
265	1/8/2018	13:39:35	0	0	0
266	1/8/2018	13:40:35	0	0	0
267	1/8/2018	13:41:35	0	0	0
268	1/8/2018	13:42:35	0	0	0
269	1/8/2018	13:43:35	0	0	0
270	1/8/2018	13:44:35	0	0	0
271	1/8/2018	13:45:35	0	0	0
272	1/8/2018	13:46:35	0	0	0
273	1/8/2018	13:47:35	0	0	0
274	1/8/2018	13:48:35	0	0	0
275	1/8/2018	13:49:35	0	0	0
276	1/8/2018	13:50:35	0	0	0
277	1/8/2018	13:51:35	0	0	0
278	1/8/2018	13:52:35	0	0	0
279	1/8/2018	13:53:35	0	0	0
280	1/8/2018	13:54:35	0	0	0
281	1/8/2018	13:55:35	0	0	0
282	1/8/2018	13:56:35	0	0	0
283	1/8/2018	13:57:35	0	0	0

			Pine_16464_20180226		
284	1/8/2018	13:58:35	0	0	0
285	1/8/2018	13:59:35	0	0	0
286	1/8/2018	14:00:35	0	0	0
287	1/8/2018	14:01:35	0	0	0
288	1/8/2018	14:02:35	0	0	0
289	1/8/2018	14:03:35	0	0	0
290	1/8/2018	14:04:35	0	0	0
291	1/8/2018	14:05:35	0	0	0
292	1/8/2018	14:06:35	0	0	0
293	1/8/2018	14:07:35	0	0	0
294	1/8/2018	14:08:35	0	0	0
295	1/8/2018	14:09:35	0	0	0
296	1/8/2018	14:10:35	0	0	0
297	1/8/2018	14:11:35	0	0	0
298	1/8/2018	14:12:35	0	0	0
299	1/8/2018	14:13:35	0	0	0
300	1/8/2018	14:14:35	0	0	0
301	1/8/2018	14:15:35	0	0	0
302	1/8/2018	14:16:35	0	0	0
303	1/8/2018	14:17:35	0	0	0
304	1/8/2018	14:18:35	0	0	0
305	1/8/2018	14:19:35	0	0	0
306	1/8/2018	14:20:35	0	0	0
307	1/8/2018	14:21:35	0	0	0
308	1/8/2018	14:22:35	0	0	0
309	1/8/2018	14:23:35	0	0	0
310	1/8/2018	14:24:35	0	0	0
311	1/8/2018	14:25:35	0	0	0
312	1/8/2018	14:26:35	0	0	0
313	1/8/2018	14:27:35	0	0	0
314	1/8/2018	14:28:35	0	0	0
315	1/8/2018	14:29:35	0	0	0
316	1/8/2018	14:30:35	0	0	0
317	1/8/2018	14:31:35	0	0	0
318	1/8/2018	14:32:35	0	0	0
319	1/8/2018	14:33:35	0	0	0
320	1/8/2018	14:34:35	0	0	0
321	1/8/2018	14:35:35	0	0	0
322	1/8/2018	14:36:35	0	0	0
323	1/8/2018	14:37:35	0	0	0
324	1/8/2018	14:38:35	0	0	0
325	1/8/2018	14:39:35	0	0	0
326	1/8/2018	14:40:35	0	0	0
327	1/8/2018	14:41:35	0	0	0
328	1/8/2018	14:42:35	0	0	0
329	1/8/2018	14:43:35	0	0	6
330	1/8/2018	14:44:35	0	0	0
331	1/8/2018	14:45:35	0	0	0

			Pine_16464_20180226		
332	1/8/2018	14:46:35	0	0	0
333	1/8/2018	14:47:35	0	0	0
334	1/8/2018	14:48:35	0	0	0
335	1/8/2018	14:49:35	0	0	0
336	1/8/2018	14:50:35	0	0	0
337	1/8/2018	14:51:35	0	0	0
338	1/8/2018	14:52:35	0	0	0
339	1/8/2018	14:53:35	0	0	0
340	1/8/2018	14:54:35	0	0	0
341	1/8/2018	14:55:35	0	0	0
342	1/8/2018	14:56:35	0	0	0
343	1/8/2018	14:57:35	0	0	0
344	1/8/2018	14:58:35	0	0	0
345	1/8/2018	14:59:35	0	0	0
346	1/8/2018	15:00:35	0	0	0
347	1/8/2018	15:01:35	0	0	0
348	1/8/2018	15:02:35	0	0	0
349	1/8/2018	15:03:35	0	0	0
350	1/8/2018	15:04:35	0	0	0
351	1/8/2018	15:05:35	0	0	0
352	1/8/2018	15:06:35	0	0	0
353	1/8/2018	15:07:35	0	0	0
354	1/8/2018	15:08:35	0	0	0
355	1/8/2018	15:09:35	0	0	0
356	1/8/2018	15:10:35	0	0	0
357	1/8/2018	15:11:35	0	0	0
358	1/8/2018	15:12:35	0	0	0
359	1/8/2018	15:13:35	0	0	0
360	1/8/2018	15:14:35	0	0	0
361	1/8/2018	15:15:35	0	0	0
362	1/8/2018	15:16:35	0	0	0
363	1/8/2018	15:17:35	0	0	0
364	1/8/2018	15:18:35	0	0	0
365	1/8/2018	15:19:35	0	0	0
366	1/8/2018	15:20:35	0	0	0
367	1/8/2018	15:21:35	0	0	0
368	1/8/2018	15:22:35	0	0	0
369	1/8/2018	15:23:35	0	0	0
370	1/8/2018	15:24:35	0	0	0
371	1/8/2018	15:25:35	0	0	0
372	1/8/2018	15:26:35	0	0	0
373	1/8/2018	15:27:35	0	0	0
374	1/8/2018	15:28:35	0	0	0
375	1/8/2018	15:29:35	0	0	0
376	1/8/2018	15:30:35	0	0	0
377	1/8/2018	15:31:35	0	0	0
378	1/8/2018	15:32:35	0	0	0
379	1/8/2018	15:33:35	0	0	0

			Pine_16464_20180226		
380	1/8/2018	15:34:35	0	0	0
381	1/8/2018	15:35:35	0	0	0
382	1/8/2018	15:36:35	0	0	0
383	1/8/2018	15:37:35	0	0	0
384	1/8/2018	15:38:35	0	0	0
385	1/8/2018	15:39:35	0	0	0
386	1/8/2018	15:40:35	0	0	0
387	1/8/2018	15:41:35	0	0	0
388	1/8/2018	15:42:35	0	0	0
389	1/8/2018	15:43:35	0	0	0
390	1/8/2018	15:44:35	0	0	0
391	1/8/2018	15:45:35	0	0	0
392	1/8/2018	15:46:35	0	0	0
393	1/8/2018	15:47:35	0	0	0
394	1/8/2018	15:48:35	0	0	0
395	1/8/2018	15:49:35	0	0	0
396	1/8/2018	15:50:35	0	0	0
397	1/8/2018	15:51:35	0	0	0
398	1/8/2018	15:52:35	0	0	2
399	1/8/2018	15:53:35	0	0	0
400	1/8/2018	15:54:35	0	0	0
401	1/8/2018	15:55:35	0	0	0
402	1/8/2018	15:56:35	0	0	0
403	1/8/2018	15:57:35	0	0	0
404	1/8/2018	15:58:35	0	0	0
405	1/8/2018	15:59:35	0	0	0
406	1/8/2018	16:00:35	0	159	642
Peak		0	159	642	
Min		0	0	0	
Average		0	1	2	

=====

18/01/09 10:53

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

```

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Begin   1/9/2018 10:53:00
End     1/9/2018 16:08:57
Sample Period(s)    60
Number of Records    315
-----

```

```

Sensor   VOC(ppb)
Span     100000
Span 2   N/A
Low Alarm      50000
High Alarm     100000
Over Alarm     15000000
STEL Alarm     25000
TWA Alarm      100000
Measurement Gas Isobutylene
Calibration Time      10/19/2017 13:11
Peak        N/A
Min         N/A
Average     N/A

```

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/9/2018 10:54:00	0	0	0	0
002	1/9/2018 10:55:00	0	0	0	0
003	1/9/2018 10:56:00	0	0	0	0
004	1/9/2018 10:57:00	0	0	0	0
005	1/9/2018 10:58:00	0	0	0	0
006	1/9/2018 10:59:00	0	0	0	0
007	1/9/2018 11:00:00	0	0	0	0
008	1/9/2018 11:01:00	0	0	0	0
009	1/9/2018 11:02:00	0	0	0	0
010	1/9/2018 11:03:00	0	0	0	0
011	1/9/2018 11:04:00	0	0	0	0
012	1/9/2018 11:05:00	0	0	0	0
013	1/9/2018 11:06:00	0	0	0	0
014	1/9/2018 11:07:00	0	0	0	0
015	1/9/2018 11:08:00	0	0	0	0
016	1/9/2018 11:09:00	0	0	0	0
017	1/9/2018 11:10:00	0	0	0	0
018	1/9/2018 11:11:00	0	0	0	0
019	1/9/2018 11:12:00	0	0	0	0
020	1/9/2018 11:13:00	0	0	0	0
021	1/9/2018 11:14:00	0	0	0	0
022	1/9/2018 11:15:00	0	0	0	0
023	1/9/2018 11:16:00	0	0	0	0

			Pine_16464_20180226		
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025	1/9/2018	11:18:00	0	0	0
026	1/9/2018	11:19:00	0	0	0
027	1/9/2018	11:20:00	0	0	0
028	1/9/2018	11:21:00	0	0	0
029	1/9/2018	11:22:00	0	0	0
030	1/9/2018	11:23:00	0	0	0
031	1/9/2018	11:24:00	0	0	0
032	1/9/2018	11:25:00	0	0	0
033	1/9/2018	11:26:00	0	0	0
034	1/9/2018	11:27:00	0	0	0
035	1/9/2018	11:28:00	0	0	0
036	1/9/2018	11:29:00	0	0	0
037	1/9/2018	11:30:00	0	0	0
038	1/9/2018	11:31:00	0	0	0
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041	1/9/2018	11:34:00	0	0	0
042	1/9/2018	11:35:00	0	0	0
043	1/9/2018	11:36:00	0	0	0
044	1/9/2018	11:37:00	0	0	0
045	1/9/2018	11:38:00	0	0	0
046	1/9/2018	11:39:00	0	0	0
047	1/9/2018	11:40:00	0	0	0
048	1/9/2018	11:41:00	0	0	0
049	1/9/2018	11:42:00	0	0	0
050	1/9/2018	11:43:00	0	0	0
051	1/9/2018	11:44:00	0	0	0
052	1/9/2018	11:45:00	0	0	0
053	1/9/2018	11:46:00	0	0	0
054	1/9/2018	11:47:00	0	0	0
055	1/9/2018	11:48:00	0	0	0
056	1/9/2018	11:49:00	0	0	0
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065	1/9/2018	11:58:00	0	0	0
066	1/9/2018	11:59:00	0	0	0
067	1/9/2018	12:00:00	0	0	0
068	1/9/2018	12:01:00	0	0	0
069	1/9/2018	12:02:00	0	0	0
070	1/9/2018	12:03:00	0	0	0
071	1/9/2018	12:04:00	0	0	0

			Pine_16464_20180226		
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073	1/9/2018	12:06:00	0	0	0
074	1/9/2018	12:07:00	0	0	0
075	1/9/2018	12:08:00	0	0	0
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085	1/9/2018	12:18:00	0	0	0
086	1/9/2018	12:19:00	0	0	0
087	1/9/2018	12:20:00	0	0	0
088	1/9/2018	12:21:00	0	0	0
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102	1/9/2018	12:35:00	0	0	0
103	1/9/2018	12:36:00	0	0	0
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105	1/9/2018	12:38:00	0	0	0
106	1/9/2018	12:39:00	0	0	0
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108	1/9/2018	12:41:00	0	0	0
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111	1/9/2018	12:44:00	0	0	0
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			Pine_16464_20180226		
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157	1/9/2018	13:30:00	0	0	0
158	1/9/2018	13:31:00	0	0	0
159	1/9/2018	13:32:00	0	0	0
160	1/9/2018	13:33:00	0	0	0
161	1/9/2018	13:34:00	0	0	0
162	1/9/2018	13:35:00	0	0	0
163	1/9/2018	13:36:00	0	0	0
164	1/9/2018	13:37:00	0	0	0
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166	1/9/2018	13:39:00	0	0	0
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			Pine_16464_20180226		
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170	1/9/2018	13:43:00	0	0	0
171	1/9/2018	13:44:00	0	0	0
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190	1/9/2018	14:03:00	0	0	0
191	1/9/2018	14:04:00	0	0	0
192	1/9/2018	14:05:00	0	0	0
193	1/9/2018	14:06:00	0	0	0
194	1/9/2018	14:07:00	0	0	0
195	1/9/2018	14:08:00	0	0	0
196	1/9/2018	14:09:00	0	0	0
197	1/9/2018	14:10:00	0	0	0
198	1/9/2018	14:11:00	0	0	0
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202	1/9/2018	14:15:00	0	0	0
203	1/9/2018	14:16:00	0	0	0
204	1/9/2018	14:17:00	0	0	0
205	1/9/2018	14:18:00	0	0	0
206	1/9/2018	14:19:00	0	0	0
207	1/9/2018	14:20:00	0	0	0
208	1/9/2018	14:21:00	0	0	0
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211	1/9/2018	14:24:00	0	0	0
212	1/9/2018	14:25:00	0	0	0
213	1/9/2018	14:26:00	0	0	0
214	1/9/2018	14:27:00	0	0	0
215	1/9/2018	14:28:00	0	0	0

			Pine_16464_20180226		
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217	1/9/2018	14:30:00	0	0	0
218	1/9/2018	14:31:00	0	0	0
219	1/9/2018	14:32:00	0	0	0
220	1/9/2018	14:33:00	0	0	0
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223	1/9/2018	14:36:00	0	0	0
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227	1/9/2018	14:40:00	0	0	0
228	1/9/2018	14:41:00	0	0	0
229	1/9/2018	14:42:00	0	0	0
230	1/9/2018	14:43:00	0	0	0
231	1/9/2018	14:44:00	0	0	0
232	1/9/2018	14:45:00	0	0	0
233	1/9/2018	14:46:00	0	0	0
234	1/9/2018	14:47:00	0	0	0
235	1/9/2018	14:48:00	0	0	0
236	1/9/2018	14:49:00	0	0	0
237	1/9/2018	14:50:00	0	0	0
238	1/9/2018	14:51:00	0	0	0
239	1/9/2018	14:52:00	0	0	0
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245	1/9/2018	14:58:00	0	0	0
246	1/9/2018	14:59:00	0	0	0
247	1/9/2018	15:00:00	0	0	0
248	1/9/2018	15:01:00	0	0	0
249	1/9/2018	15:02:00	0	0	0
250	1/9/2018	15:03:00	0	0	0
251	1/9/2018	15:04:00	0	0	0
252	1/9/2018	15:05:00	0	0	0
253	1/9/2018	15:06:00	0	0	0
254	1/9/2018	15:07:00	0	0	0
255	1/9/2018	15:08:00	0	0	0
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259	1/9/2018	15:12:00	0	0	0
260	1/9/2018	15:13:00	0	0	0
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262	1/9/2018	15:15:00	0	0	0
263	1/9/2018	15:16:00	0	0	0

			Pine_16464_20180226		
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265	1/9/2018	15:18:00	0	0	0
266	1/9/2018	15:19:00	0	0	0
267	1/9/2018	15:20:00	0	0	0
268	1/9/2018	15:21:00	0	0	0
269	1/9/2018	15:22:00	0	0	0
270	1/9/2018	15:23:00	0	0	0
271	1/9/2018	15:24:00	0	0	0
272	1/9/2018	15:25:00	0	0	0
273	1/9/2018	15:26:00	0	0	0
274	1/9/2018	15:27:00	0	0	0
275	1/9/2018	15:28:00	0	0	0
276	1/9/2018	15:29:00	0	0	0
277	1/9/2018	15:30:00	0	0	0
278	1/9/2018	15:31:00	0	0	0
279	1/9/2018	15:32:00	0	0	0
280	1/9/2018	15:33:00	0	0	0
281	1/9/2018	15:34:00	0	0	0
282	1/9/2018	15:35:00	0	0	0
283	1/9/2018	15:36:00	0	0	0
284	1/9/2018	15:37:00	0	0	0
285	1/9/2018	15:38:00	0	0	0
286	1/9/2018	15:39:00	0	0	0
287	1/9/2018	15:40:00	0	0	0
288	1/9/2018	15:41:00	0	0	0
289	1/9/2018	15:42:00	0	0	0
290	1/9/2018	15:43:00	0	0	0
291	1/9/2018	15:44:00	0	0	0
292	1/9/2018	15:45:00	0	0	0
293	1/9/2018	15:46:00	0	0	0
294	1/9/2018	15:47:00	0	0	0
295	1/9/2018	15:48:00	0	0	0
296	1/9/2018	15:49:00	0	0	0
297	1/9/2018	15:50:00	0	0	0
298	1/9/2018	15:51:00	0	0	0
299	1/9/2018	15:52:00	0	0	0
300	1/9/2018	15:53:00	0	0	0
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302	1/9/2018	15:55:00	0	0	0
303	1/9/2018	15:56:00	0	0	0
304	1/9/2018	15:57:00	0	0	0
305	1/9/2018	15:58:00	0	0	0
306	1/9/2018	15:59:00	0	0	0
307	1/9/2018	16:00:00	0	0	0
308	1/9/2018	16:01:00	0	0	0
309	1/9/2018	16:02:00	0	0	0
310	1/9/2018	16:03:00	0	0	0
311	1/9/2018	16:04:00	0	0	0

			Pine_16464_20180226
312	1/9/2018 16:05:00	0	0
313	1/9/2018 16:06:00	0	0
314	1/9/2018 16:07:00	0	0
315	1/9/2018 16:08:00	0	72
Peak	0	72	294
Min	0	0	0
Average	0	0	1

18/01/10 08:09

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 1/10/2018 08:09:08
End 1/10/2018 11:55:22
Sample Period(s) 60
Number of Records 226

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	Pine_16464_20180226		VOC(ppb)
			VOC(ppb) (Avg)	VOC(ppb) (Max)	
001	1/10/2018 08:10:08		0	0	0
002	1/10/2018 08:11:08		0	0	0
003	1/10/2018 08:12:08		0	0	0
004	1/10/2018 08:13:08		0	0	0
005	1/10/2018 08:14:08		0	0	0
006	1/10/2018 08:15:08		0	0	0
007	1/10/2018 08:16:08		0	0	0
008	1/10/2018 08:17:08		0	0	0
009	1/10/2018 08:18:08		0	0	0
010	1/10/2018 08:19:08		0	0	0
011	1/10/2018 08:20:08		0	0	0
012	1/10/2018 08:21:08		0	0	0
013	1/10/2018 08:22:08		0	0	0
014	1/10/2018 08:23:08		0	0	0
015	1/10/2018 08:24:08		0	0	0
016	1/10/2018 08:25:08		0	0	0
017	1/10/2018 08:26:08		0	0	0
018	1/10/2018 08:27:08		0	0	0
019	1/10/2018 08:28:08		0	0	0
020	1/10/2018 08:29:08		0	0	0
021	1/10/2018 08:30:08		0	0	0
022	1/10/2018 08:31:08		0	0	0
023	1/10/2018 08:32:08		0	0	0
024	1/10/2018 08:33:08		0	0	0
025	1/10/2018 08:34:08		0	0	0
026	1/10/2018 08:35:08		0	0	0
027	1/10/2018 08:36:08		0	0	0
028	1/10/2018 08:37:08		0	0	0
029	1/10/2018 08:38:08		0	0	0
030	1/10/2018 08:39:08		0	0	0
031	1/10/2018 08:40:08		0	0	0
032	1/10/2018 08:41:08		0	0	0
033	1/10/2018 08:42:08		0	0	0
034	1/10/2018 08:43:08		0	0	0
035	1/10/2018 08:44:08		0	0	0
036	1/10/2018 08:45:08		0	0	0
037	1/10/2018 08:46:08		0	0	0
038	1/10/2018 08:47:08		0	0	0
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042	1/10/2018 08:51:08		0	0	0
043	1/10/2018 08:52:08		0	0	0
044	1/10/2018 08:53:08		0	0	0
045	1/10/2018 08:54:08		0	0	0
046	1/10/2018 08:55:08		0	0	0

			Pine_16464_20180226		
047	1/10/2018	08:56:08	0	0	0
048	1/10/2018	08:57:08	0	0	0
049	1/10/2018	08:58:08	0	0	0
050	1/10/2018	08:59:08	0	0	0
051	1/10/2018	09:00:08	0	0	0
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053	1/10/2018	09:02:08	0	0	0
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055	1/10/2018	09:04:08	0	0	0
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057	1/10/2018	09:06:08	0	0	0
058	1/10/2018	09:07:08	0	0	0
059	1/10/2018	09:08:08	0	0	0
060	1/10/2018	09:09:08	0	0	0
061	1/10/2018	09:10:08	0	0	0
062	1/10/2018	09:11:08	0	0	0
063	1/10/2018	09:12:08	0	0	0
064	1/10/2018	09:13:08	0	0	0
065	1/10/2018	09:14:08	0	0	0
066	1/10/2018	09:15:08	0	0	0
067	1/10/2018	09:16:08	0	0	0
068	1/10/2018	09:17:08	0	0	0
069	1/10/2018	09:18:08	0	0	0
070	1/10/2018	09:19:08	0	0	0
071	1/10/2018	09:20:08	0	0	0
072	1/10/2018	09:21:08	0	0	0
073	1/10/2018	09:22:08	0	0	0
074	1/10/2018	09:23:08	0	0	0
075	1/10/2018	09:24:08	0	0	0
076	1/10/2018	09:25:08	0	0	0
077	1/10/2018	09:26:08	0	0	0
078	1/10/2018	09:27:08	0	0	0
079	1/10/2018	09:28:08	0	0	0
080	1/10/2018	09:29:08	0	0	0
081	1/10/2018	09:30:08	0	0	0
082	1/10/2018	09:31:08	0	0	0
083	1/10/2018	09:32:08	0	0	0
084	1/10/2018	09:33:08	0	0	0
085	1/10/2018	09:34:08	0	0	0
086	1/10/2018	09:35:08	0	0	0
087	1/10/2018	09:36:08	0	0	0
088	1/10/2018	09:37:08	0	0	0
089	1/10/2018	09:38:08	0	0	0
090	1/10/2018	09:39:08	0	0	0
091	1/10/2018	09:40:08	0	0	0
092	1/10/2018	09:41:08	0	0	0
093	1/10/2018	09:42:08	0	0	0
094	1/10/2018	09:43:08	0	0	0

			Pine_16464_20180226		
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096	1/10/2018	09:45:08	0	0	0
097	1/10/2018	09:46:08	0	0	0
098	1/10/2018	09:47:08	0	0	0
099	1/10/2018	09:48:08	0	0	0
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103	1/10/2018	09:52:08	0	0	0
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106	1/10/2018	09:55:08	0	0	0
107	1/10/2018	09:56:08	0	0	0
108	1/10/2018	09:57:08	0	0	0
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110	1/10/2018	09:59:08	0	0	0
111	1/10/2018	10:00:08	0	0	0
112	1/10/2018	10:01:08	0	0	0
113	1/10/2018	10:02:08	0	0	0
114	1/10/2018	10:03:08	0	0	0
115	1/10/2018	10:04:08	0	0	0
116	1/10/2018	10:05:08	0	0	0
117	1/10/2018	10:06:08	0	0	0
118	1/10/2018	10:07:08	0	0	0
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122	1/10/2018	10:11:08	0	0	0
123	1/10/2018	10:12:08	0	0	0
124	1/10/2018	10:13:08	0	0	0
125	1/10/2018	10:14:08	0	0	0
126	1/10/2018	10:15:08	0	0	0
127	1/10/2018	10:16:08	0	0	0
128	1/10/2018	10:17:08	0	0	0
129	1/10/2018	10:18:08	0	0	0
130	1/10/2018	10:19:08	0	0	0
131	1/10/2018	10:20:08	0	0	0
132	1/10/2018	10:21:08	0	0	0
133	1/10/2018	10:22:08	0	0	0
134	1/10/2018	10:23:08	0	0	0
135	1/10/2018	10:24:08	0	0	0
136	1/10/2018	10:25:08	0	0	0
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138	1/10/2018	10:27:08	0	0	0
139	1/10/2018	10:28:08	0	0	0
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141	1/10/2018	10:30:08	0	0	0
142	1/10/2018	10:31:08	0	0	0

			Pine_16464_20180226		
143	1/10/2018	10:32:08	0	0	0
144	1/10/2018	10:33:08	0	0	0
145	1/10/2018	10:34:08	0	6	99
146	1/10/2018	10:35:08	0	0	0
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148	1/10/2018	10:37:08	0	0	0
149	1/10/2018	10:38:08	0	0	0
150	1/10/2018	10:39:08	0	0	0
151	1/10/2018	10:40:08	0	0	0
152	1/10/2018	10:41:08	0	0	0
153	1/10/2018	10:42:08	0	0	0
154	1/10/2018	10:43:08	0	0	0
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158	1/10/2018	10:47:08	0	0	0
159	1/10/2018	10:48:08	0	0	0
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163	1/10/2018	10:52:08	0	0	0
164	1/10/2018	10:53:08	0	0	0
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167	1/10/2018	10:56:08	0	0	0
168	1/10/2018	10:57:08	0	0	0
169	1/10/2018	10:58:08	0	0	0
170	1/10/2018	10:59:08	0	0	0
171	1/10/2018	11:00:08	0	0	0
172	1/10/2018	11:01:08	0	0	0
173	1/10/2018	11:02:08	0	0	0
174	1/10/2018	11:03:08	0	0	0
175	1/10/2018	11:04:08	0	0	0
176	1/10/2018	11:05:08	0	0	0
177	1/10/2018	11:06:08	0	0	0
178	1/10/2018	11:07:08	0	0	0
179	1/10/2018	11:08:08	0	0	0
180	1/10/2018	11:09:08	0	0	0
181	1/10/2018	11:10:08	0	0	0
182	1/10/2018	11:11:08	0	0	0
183	1/10/2018	11:12:08	0	0	0
184	1/10/2018	11:13:08	0	0	0
185	1/10/2018	11:14:08	0	0	0
186	1/10/2018	11:15:08	0	0	0
187	1/10/2018	11:16:08	0	0	0
188	1/10/2018	11:17:08	0	0	0
189	1/10/2018	11:18:08	0	0	0
190	1/10/2018	11:19:08	0	0	0

				Pine_16464_20180226		
191	1/10/2018	11:20:08	0	0	0	
192	1/10/2018	11:21:08	0	0	0	
193	1/10/2018	11:22:08	0	0	0	
194	1/10/2018	11:23:08	0	0	0	
195	1/10/2018	11:24:08	0	0	0	
196	1/10/2018	11:25:08	0	0	0	
197	1/10/2018	11:26:08	0	0	0	
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199	1/10/2018	11:28:08	0	0	0	
200	1/10/2018	11:29:08	0	0	0	
201	1/10/2018	11:30:08	0	0	0	
202	1/10/2018	11:31:08	0	0	0	
203	1/10/2018	11:32:08	0	0	0	
204	1/10/2018	11:33:08	0	0	0	
205	1/10/2018	11:34:08	0	0	0	
206	1/10/2018	11:35:08	0	0	0	
207	1/10/2018	11:36:08	0	0	0	
208	1/10/2018	11:37:08	0	0	0	
209	1/10/2018	11:38:08	0	0	0	
210	1/10/2018	11:39:08	0	0	0	
211	1/10/2018	11:40:08	0	0	0	
212	1/10/2018	11:41:08	0	0	0	
213	1/10/2018	11:42:08	0	0	0	
214	1/10/2018	11:43:08	0	0	0	
215	1/10/2018	11:44:08	0	0	0	
216	1/10/2018	11:45:08	0	0	0	
217	1/10/2018	11:46:08	0	0	0	
218	1/10/2018	11:47:08	0	0	0	
219	1/10/2018	11:48:08	0	0	0	
220	1/10/2018	11:49:08	0	0	0	
221	1/10/2018	11:50:08	0	0	0	
222	1/10/2018	11:51:08	0	0	0	
223	1/10/2018	11:52:08	0	0	0	
224	1/10/2018	11:53:08	0	0	0	
225	1/10/2018	11:54:08	0	46	233	
226	1/10/2018	11:55:08	9	39	109	
Peak		9	46	233		
Min		0	0	0		
Average		0	0	2		

18/01/11 08:28

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

```

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

```

```

Site ID 00000056
User ID 00000001
-----

```

```

Begin   1/11/2018 08:28:25
End     1/11/2018 16:01:26
Sample Period(s)      60
Number of Records     453
-----

```

```

Sensor VOC(ppb)
Span    100000
Span 2   N/A
Low Alarm      50000
High Alarm     100000
Over Alarm     1500000
STEL Alarm     25000
TWA Alarm      100000
Measurement Gas Isobutylene
Calibration Time      10/19/2017 13:11
Peak      N/A
Min       N/A
Average N/A

```

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/11/2018 08:29:25	0	0	0	0
002	1/11/2018 08:30:25	0	0	0	0
003	1/11/2018 08:31:25	0	0	0	0
004	1/11/2018 08:32:25	0	0	0	0
005	1/11/2018 08:33:25	0	0	0	0
006	1/11/2018 08:34:25	0	0	0	0
007	1/11/2018 08:35:25	0	0	0	0
008	1/11/2018 08:36:25	0	0	0	0
009	1/11/2018 08:37:25	0	0	0	0
010	1/11/2018 08:38:25	0	0	0	0
011	1/11/2018 08:39:25	0	0	0	0
012	1/11/2018 08:40:25	0	0	0	0
013	1/11/2018 08:41:25	0	0	0	0
014	1/11/2018 08:42:25	0	0	0	0

			Pine_16464_20180226		
015	1/11/2018	08:43:25	0	0	0
016	1/11/2018	08:44:25	0	0	0
017	1/11/2018	08:45:25	0	0	0
018	1/11/2018	08:46:25	0	0	0
019	1/11/2018	08:47:25	0	0	0
020	1/11/2018	08:48:25	0	0	0
021	1/11/2018	08:49:25	0	0	0
022	1/11/2018	08:50:25	0	0	0
023	1/11/2018	08:51:25	0	0	0
024	1/11/2018	08:52:25	0	0	0
025	1/11/2018	08:53:25	0	0	0
026	1/11/2018	08:54:25	0	0	0
027	1/11/2018	08:55:25	0	0	0
028	1/11/2018	08:56:25	0	0	0
029	1/11/2018	08:57:25	0	0	0
030	1/11/2018	08:58:25	0	0	0
031	1/11/2018	08:59:25	0	0	0
032	1/11/2018	09:00:25	0	0	0
033	1/11/2018	09:01:25	0	0	0
034	1/11/2018	09:02:25	0	0	0
035	1/11/2018	09:03:25	0	0	0
036	1/11/2018	09:04:25	0	0	0
037	1/11/2018	09:05:25	0	0	0
038	1/11/2018	09:06:25	0	0	0
039	1/11/2018	09:07:25	0	0	0
040	1/11/2018	09:08:25	0	0	0
041	1/11/2018	09:09:25	0	0	0
042	1/11/2018	09:10:25	0	0	0
043	1/11/2018	09:11:25	0	0	0
044	1/11/2018	09:12:25	0	0	0
045	1/11/2018	09:13:25	0	0	0
046	1/11/2018	09:14:25	0	0	0
047	1/11/2018	09:15:25	0	0	0
048	1/11/2018	09:16:25	0	0	0
049	1/11/2018	09:17:25	0	0	0
050	1/11/2018	09:18:25	0	0	0
051	1/11/2018	09:19:25	0	0	0
052	1/11/2018	09:20:25	0	0	0
053	1/11/2018	09:21:25	0	0	0
054	1/11/2018	09:22:25	0	0	0
055	1/11/2018	09:23:25	0	0	0
056	1/11/2018	09:24:25	0	0	0
057	1/11/2018	09:25:25	0	0	0
058	1/11/2018	09:26:25	0	0	0
059	1/11/2018	09:27:25	0	0	0
060	1/11/2018	09:28:25	0	0	0
061	1/11/2018	09:29:25	0	0	0
062	1/11/2018	09:30:25	0	0	0

			Pine_16464_20180226		
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066	1/11/2018	09:34:25	0	0	0
067	1/11/2018	09:35:25	0	0	0
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076	1/11/2018	09:44:25	0	0	0
077	1/11/2018	09:45:25	0	0	0
078	1/11/2018	09:46:25	0	0	0
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082	1/11/2018	09:50:25	0	0	0
083	1/11/2018	09:51:25	0	0	0
084	1/11/2018	09:52:25	0	0	0
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088	1/11/2018	09:56:25	0	0	0
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091	1/11/2018	09:59:25	0	0	0
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095	1/11/2018	10:03:25	0	0	0
096	1/11/2018	10:04:25	0	0	0
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107	1/11/2018	10:15:25	0	0	0
108	1/11/2018	10:16:25	0	0	0
109	1/11/2018	10:17:25	0	0	0
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			Pine_16464_20180226		
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114	1/11/2018	10:22:25	0	0	0
115	1/11/2018	10:23:25	0	0	0
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122	1/11/2018	10:30:25	0	0	0
123	1/11/2018	10:31:25	0	0	0
124	1/11/2018	10:32:25	0	0	0
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156	1/11/2018	11:04:25	0	0	0
157	1/11/2018	11:05:25	0	0	0
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			Pine_16464_20180226		
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165	1/11/2018	11:13:25	0	0	0
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182	1/11/2018	11:30:25	0	0	0
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194	1/11/2018	11:42:25	0	0	0
195	1/11/2018	11:43:25	0	0	0
196	1/11/2018	11:44:25	0	0	0
197	1/11/2018	11:45:25	0	0	0
198	1/11/2018	11:46:25	0	0	0
199	1/11/2018	11:47:25	0	0	0
200	1/11/2018	11:48:25	0	0	0
201	1/11/2018	11:49:25	0	0	0
202	1/11/2018	11:50:25	0	0	0
203	1/11/2018	11:51:25	0	0	0
204	1/11/2018	11:52:25	0	0	0
205	1/11/2018	11:53:25	0	0	0
206	1/11/2018	11:54:25	0	0	0

			Pine_16464_20180226		
207	1/11/2018	11:55:25	0	0	0
208	1/11/2018	11:56:25	0	0	0
209	1/11/2018	11:57:25	0	0	0
210	1/11/2018	11:58:25	0	0	0
211	1/11/2018	11:59:25	0	0	0
212	1/11/2018	12:00:25	0	0	0
213	1/11/2018	12:01:25	0	0	0
214	1/11/2018	12:02:25	0	0	0
215	1/11/2018	12:03:25	0	0	0
216	1/11/2018	12:04:25	0	0	0
217	1/11/2018	12:05:25	0	0	0
218	1/11/2018	12:06:25	0	0	0
219	1/11/2018	12:07:25	0	0	0
220	1/11/2018	12:08:25	0	0	0
221	1/11/2018	12:09:25	0	0	0
222	1/11/2018	12:10:25	0	0	0
223	1/11/2018	12:11:25	0	0	0
224	1/11/2018	12:12:25	0	0	0
225	1/11/2018	12:13:25	0	0	0
226	1/11/2018	12:14:25	0	0	0
227	1/11/2018	12:15:25	0	0	0
228	1/11/2018	12:16:25	0	0	0
229	1/11/2018	12:17:25	0	0	0
230	1/11/2018	12:18:25	0	0	0
231	1/11/2018	12:19:25	0	0	0
232	1/11/2018	12:20:25	0	0	0
233	1/11/2018	12:21:25	0	0	0
234	1/11/2018	12:22:25	0	0	0
235	1/11/2018	12:23:25	0	0	0
236	1/11/2018	12:24:25	0	0	0
237	1/11/2018	12:25:25	0	0	0
238	1/11/2018	12:26:25	0	0	0
239	1/11/2018	12:27:25	0	0	0
240	1/11/2018	12:28:25	0	0	0
241	1/11/2018	12:29:25	0	0	0
242	1/11/2018	12:30:25	0	0	0
243	1/11/2018	12:31:25	0	0	0
244	1/11/2018	12:32:25	0	0	0
245	1/11/2018	12:33:25	0	0	0
246	1/11/2018	12:34:25	0	0	0
247	1/11/2018	12:35:25	0	0	0
248	1/11/2018	12:36:25	0	0	0
249	1/11/2018	12:37:25	0	0	0
250	1/11/2018	12:38:25	0	0	0
251	1/11/2018	12:39:25	0	0	0
252	1/11/2018	12:40:25	0	0	0
253	1/11/2018	12:41:25	0	0	0
254	1/11/2018	12:42:25	0	0	0

			Pine_16464_20180226		
255	1/11/2018	12:43:25	0	0	0
256	1/11/2018	12:44:25	0	0	0
257	1/11/2018	12:45:25	0	0	0
258	1/11/2018	12:46:25	0	0	0
259	1/11/2018	12:47:25	0	0	0
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263	1/11/2018	12:51:25	0	0	0
264	1/11/2018	12:52:25	0	0	0
265	1/11/2018	12:53:25	0	0	0
266	1/11/2018	12:54:25	0	0	0
267	1/11/2018	12:55:25	0	0	0
268	1/11/2018	12:56:25	0	0	0
269	1/11/2018	12:57:25	0	0	0
270	1/11/2018	12:58:25	0	0	0
271	1/11/2018	12:59:25	0	0	0
272	1/11/2018	13:00:25	0	0	0
273	1/11/2018	13:01:25	0	0	0
274	1/11/2018	13:02:25	0	0	0
275	1/11/2018	13:03:25	0	0	0
276	1/11/2018	13:04:25	0	0	0
277	1/11/2018	13:05:25	0	0	0
278	1/11/2018	13:06:25	0	0	0
279	1/11/2018	13:07:25	0	0	0
280	1/11/2018	13:08:25	0	0	0
281	1/11/2018	13:09:25	0	0	0
282	1/11/2018	13:10:25	0	0	0
283	1/11/2018	13:11:25	0	0	0
284	1/11/2018	13:12:25	0	0	0
285	1/11/2018	13:13:25	0	0	0
286	1/11/2018	13:14:25	0	0	0
287	1/11/2018	13:15:25	0	0	0
288	1/11/2018	13:16:25	0	0	0
289	1/11/2018	13:17:25	0	0	0
290	1/11/2018	13:18:25	0	0	0
291	1/11/2018	13:19:25	0	0	0
292	1/11/2018	13:20:25	0	0	0
293	1/11/2018	13:21:25	0	0	0
294	1/11/2018	13:22:25	0	0	0
295	1/11/2018	13:23:25	0	0	0
296	1/11/2018	13:24:25	0	0	0
297	1/11/2018	13:25:25	0	0	0
298	1/11/2018	13:26:25	0	0	0
299	1/11/2018	13:27:25	0	0	0
300	1/11/2018	13:28:25	0	0	0
301	1/11/2018	13:29:25	0	0	0
302	1/11/2018	13:30:25	0	0	0

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303	1/11/2018	13:31:25	0	0	0
304	1/11/2018	13:32:25	0	0	0
305	1/11/2018	13:33:25	0	0	0
306	1/11/2018	13:34:25	0	0	0
307	1/11/2018	13:35:25	0	0	0
308	1/11/2018	13:36:25	0	0	0
309	1/11/2018	13:37:25	0	0	0
310	1/11/2018	13:38:25	0	0	0
311	1/11/2018	13:39:25	0	0	0
312	1/11/2018	13:40:25	0	0	0
313	1/11/2018	13:41:25	0	0	0
314	1/11/2018	13:42:25	0	0	0
315	1/11/2018	13:43:25	0	0	0
316	1/11/2018	13:44:25	0	0	0
317	1/11/2018	13:45:25	0	0	0
318	1/11/2018	13:46:25	0	0	0
319	1/11/2018	13:47:25	0	0	0
320	1/11/2018	13:48:25	0	0	0
321	1/11/2018	13:49:25	0	0	0
322	1/11/2018	13:50:25	0	0	0
323	1/11/2018	13:51:25	0	0	0
324	1/11/2018	13:52:25	0	0	0
325	1/11/2018	13:53:25	0	0	0
326	1/11/2018	13:54:25	0	0	0
327	1/11/2018	13:55:25	0	0	0
328	1/11/2018	13:56:25	0	0	0
329	1/11/2018	13:57:25	0	0	0
330	1/11/2018	13:58:25	0	0	0
331	1/11/2018	13:59:25	0	0	0
332	1/11/2018	14:00:25	0	0	0
333	1/11/2018	14:01:25	0	0	0
334	1/11/2018	14:02:25	0	0	0
335	1/11/2018	14:03:25	0	0	0
336	1/11/2018	14:04:25	0	0	0
337	1/11/2018	14:05:25	0	0	0
338	1/11/2018	14:06:25	0	0	0
339	1/11/2018	14:07:25	0	0	0
340	1/11/2018	14:08:25	0	0	0
341	1/11/2018	14:09:25	0	0	0
342	1/11/2018	14:10:25	0	0	0
343	1/11/2018	14:11:25	0	0	0
344	1/11/2018	14:12:25	0	0	0
345	1/11/2018	14:13:25	0	0	0
346	1/11/2018	14:14:25	0	0	0
347	1/11/2018	14:15:25	0	0	0
348	1/11/2018	14:16:25	0	0	0
349	1/11/2018	14:17:25	0	0	0
350	1/11/2018	14:18:25	0	0	0

			Pine_16464_20180226		
351	1/11/2018	14:19:25	0	0	0
352	1/11/2018	14:20:25	0	0	0
353	1/11/2018	14:21:25	0	0	0
354	1/11/2018	14:22:25	0	856	1884
355	1/11/2018	14:23:25	415	1486	2415
356	1/11/2018	14:24:25	23	847	3084
357	1/11/2018	14:25:25	9	1440	3509
358	1/11/2018	14:26:25	456	1875	4109
359	1/11/2018	14:27:25	275	1206	2451
360	1/11/2018	14:28:25	247	1904	4587
361	1/11/2018	14:29:25	677	2603	6823
362	1/11/2018	14:30:25	1423	5951	15381
363	1/11/2018	14:31:25	1162	4725	11880
364	1/11/2018	14:32:25	1692	4671	10258
365	1/11/2018	14:33:25	165	2325	7020
366	1/11/2018	14:34:25	891	5497	14307
367	1/11/2018	14:35:25	280	2354	5023
368	1/11/2018	14:36:25	1031	2453	3369
369	1/11/2018	14:37:25	392	1959	3988
370	1/11/2018	14:38:25	63	1998	5094
371	1/11/2018	14:39:25	815	2768	8316
372	1/11/2018	14:40:25	3	1451	3397
373	1/11/2018	14:41:25	0	39	300
374	1/11/2018	14:42:25	0	62	597
375	1/11/2018	14:43:25	0	137	884
376	1/11/2018	14:44:25	0	77	847
377	1/11/2018	14:45:25	0	934	2303
378	1/11/2018	14:46:25	0	249	1037
379	1/11/2018	14:47:25	0	1141	6993
380	1/11/2018	14:48:25	0	1444	6711
381	1/11/2018	14:49:25	0	215	1146
382	1/11/2018	14:50:25	0	132	675
383	1/11/2018	14:51:25	0	25	256
384	1/11/2018	14:52:25	0	89	409
385	1/11/2018	14:53:25	0	5	84
386	1/11/2018	14:54:25	0	8	124
387	1/11/2018	14:55:25	0	1	29
388	1/11/2018	14:56:25	0	2	17
389	1/11/2018	14:57:25	0	0	10
390	1/11/2018	14:58:25	0	29	337
391	1/11/2018	14:59:25	145	1109	1873
392	1/11/2018	15:00:25	0	512	1371
393	1/11/2018	15:01:25	14	491	1442
394	1/11/2018	15:02:25	100	346	602
395	1/11/2018	15:03:25	0	96	336
396	1/11/2018	15:04:25	0	73	271
397	1/11/2018	15:05:25	0	24	121
398	1/11/2018	15:06:25	0	0	9

			Pine_16464_20180226		
399	1/11/2018	15:07:25	0	0	0
400	1/11/2018	15:08:25	0	350	1595
401	1/11/2018	15:09:25	0	793	2288
402	1/11/2018	15:10:25	0	296	1425
403	1/11/2018	15:11:25	0	644	1623
404	1/11/2018	15:12:25	0	1114	3914
405	1/11/2018	15:13:25	0	552	1497
406	1/11/2018	15:14:25	0	2	102
407	1/11/2018	15:15:25	0	34	332
408	1/11/2018	15:16:25	0	85	539
409	1/11/2018	15:17:25	0	44	440
410	1/11/2018	15:18:25	0	0	2
411	1/11/2018	15:19:25	0	0	3
412	1/11/2018	15:20:25	0	0	18
413	1/11/2018	15:21:25	0	16	193
414	1/11/2018	15:22:25	0	0	0
415	1/11/2018	15:23:25	0	0	0
416	1/11/2018	15:24:25	0	0	0
417	1/11/2018	15:25:25	0	22	324
418	1/11/2018	15:26:25	0	53	443
419	1/11/2018	15:27:25	0	199	731
420	1/11/2018	15:28:25	0	145	659
421	1/11/2018	15:29:25	0	97	629
422	1/11/2018	15:30:25	0	0	0
423	1/11/2018	15:31:25	0	35	241
424	1/11/2018	15:32:25	0	0	0
425	1/11/2018	15:33:25	0	0	0
426	1/11/2018	15:34:25	0	0	0
427	1/11/2018	15:35:25	0	95	699
428	1/11/2018	15:36:25	0	201	1451
429	1/11/2018	15:37:25	0	136	1021
430	1/11/2018	15:38:25	0	50	272
431	1/11/2018	15:39:25	0	0	0
432	1/11/2018	15:40:25	0	6	87
433	1/11/2018	15:41:25	0	2	33
434	1/11/2018	15:42:25	0	6	202
435	1/11/2018	15:43:25	145	1206	3099
436	1/11/2018	15:44:25	0	300	1186
437	1/11/2018	15:45:25	0	373	1343
438	1/11/2018	15:46:25	0	529	1096
439	1/11/2018	15:47:25	0	0	11
440	1/11/2018	15:48:25	0	3	34
441	1/11/2018	15:49:25	0	51	279
442	1/11/2018	15:50:25	0	16	172
443	1/11/2018	15:51:25	0	40	281
444	1/11/2018	15:52:25	0	0	0
445	1/11/2018	15:53:25	0	52	304
446	1/11/2018	15:54:25	0	0	13

				Pine_16464_20180226		
447	1/11/2018	15:55:25	0	0	0	
448	1/11/2018	15:56:25	0	0	0	
449	1/11/2018	15:57:25	0	0	0	
450	1/11/2018	15:58:25	0	0	0	
451	1/11/2018	15:59:25	0	62	180	
452	1/11/2018	16:00:25	0	53	185	
453	1/11/2018	16:01:25	0	0	0	
Peak		1692	5951	15381		
Min		0	0	0		
Average		23	140	385		

=====

18/01/12 09:24

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

Begin 1/12/2018 09:24:55

End 1/12/2018 13:56:42

Sample Period(s) 60

Number of Records 271

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

TWA Alarm 100000

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Peak N/A

Min N/A

Average N/A

Pine_16464_20180226

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/12/2018 09:25:55	0	0	0	0
002	1/12/2018 09:26:55	0	0	0	0
003	1/12/2018 09:27:55	0	0	0	0
004	1/12/2018 09:28:55	0	0	0	0
005	1/12/2018 09:29:55	0	0	0	0
006	1/12/2018 09:30:55	0	0	0	0
007	1/12/2018 09:31:55	0	0	0	0
008	1/12/2018 09:32:55	0	0	0	0
009	1/12/2018 09:33:55	0	0	0	0
010	1/12/2018 09:34:55	0	0	0	0
011	1/12/2018 09:35:55	0	0	0	0
012	1/12/2018 09:36:55	0	0	0	0
013	1/12/2018 09:37:55	0	0	0	0
014	1/12/2018 09:38:55	0	0	0	0
015	1/12/2018 09:39:55	0	0	0	0
016	1/12/2018 09:40:55	0	0	0	0
017	1/12/2018 09:41:55	0	0	0	0
018	1/12/2018 09:42:55	0	0	0	0
019	1/12/2018 09:43:55	0	0	0	0
020	1/12/2018 09:44:55	0	0	0	0
021	1/12/2018 09:45:55	0	0	0	0
022	1/12/2018 09:46:55	0	0	0	0
023	1/12/2018 09:47:55	0	0	0	0
024	1/12/2018 09:48:55	0	0	0	0
025	1/12/2018 09:49:55	0	0	0	0
026	1/12/2018 09:50:55	0	0	0	0
027	1/12/2018 09:51:55	0	0	0	0
028	1/12/2018 09:52:55	0	0	0	0
029	1/12/2018 09:53:55	0	0	0	0
030	1/12/2018 09:54:55	0	0	0	0
031	1/12/2018 09:55:55	0	0	0	0
032	1/12/2018 09:56:55	0	0	0	0
033	1/12/2018 09:57:55	0	0	0	0
034	1/12/2018 09:58:55	0	0	0	0
035	1/12/2018 09:59:55	0	0	0	0
036	1/12/2018 10:00:55	0	0	0	0
037	1/12/2018 10:01:55	0	0	0	0
038	1/12/2018 10:02:55	0	0	0	0
039	1/12/2018 10:03:55	0	0	0	0
040	1/12/2018 10:04:55	0	0	0	0
041	1/12/2018 10:05:55	0	0	0	0
042	1/12/2018 10:06:55	0	0	0	0
043	1/12/2018 10:07:55	0	0	0	0

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044	1/12/2018	10:08:55	0	0	0
045	1/12/2018	10:09:55	0	0	0
046	1/12/2018	10:10:55	0	0	0
047	1/12/2018	10:11:55	0	0	0
048	1/12/2018	10:12:55	0	0	0
049	1/12/2018	10:13:55	0	0	0
050	1/12/2018	10:14:55	0	0	0
051	1/12/2018	10:15:55	0	0	0
052	1/12/2018	10:16:55	0	0	0
053	1/12/2018	10:17:55	0	0	0
054	1/12/2018	10:18:55	0	0	0
055	1/12/2018	10:19:55	0	0	0
056	1/12/2018	10:20:55	0	0	0
057	1/12/2018	10:21:55	0	0	0
058	1/12/2018	10:22:55	0	0	0
059	1/12/2018	10:23:55	0	0	0
060	1/12/2018	10:24:55	0	0	0
061	1/12/2018	10:25:55	0	0	0
062	1/12/2018	10:26:55	0	0	0
063	1/12/2018	10:27:55	0	0	0
064	1/12/2018	10:28:55	0	0	0
065	1/12/2018	10:29:55	0	0	0
066	1/12/2018	10:30:55	0	0	0
067	1/12/2018	10:31:55	0	0	0
068	1/12/2018	10:32:55	0	0	0
069	1/12/2018	10:33:55	0	0	0
070	1/12/2018	10:34:55	0	0	0
071	1/12/2018	10:35:55	0	0	0
072	1/12/2018	10:36:55	0	0	0
073	1/12/2018	10:37:55	0	0	0
074	1/12/2018	10:38:55	0	0	0
075	1/12/2018	10:39:55	0	0	0
076	1/12/2018	10:40:55	0	0	0
077	1/12/2018	10:41:55	0	0	0
078	1/12/2018	10:42:55	0	0	0
079	1/12/2018	10:43:55	0	0	0
080	1/12/2018	10:44:55	0	0	0
081	1/12/2018	10:45:55	0	0	0
082	1/12/2018	10:46:55	0	0	0
083	1/12/2018	10:47:55	0	0	0
084	1/12/2018	10:48:55	0	0	0
085	1/12/2018	10:49:55	0	0	0
086	1/12/2018	10:50:55	0	0	0
087	1/12/2018	10:51:55	0	0	0
088	1/12/2018	10:52:55	0	0	0
089	1/12/2018	10:53:55	0	0	0
090	1/12/2018	10:54:55	0	0	0
091	1/12/2018	10:55:55	0	0	0

			Pine_16464_20180226		
092	1/12/2018	10:56:55	0	0	0
093	1/12/2018	10:57:55	0	0	0
094	1/12/2018	10:58:55	0	0	0
095	1/12/2018	10:59:55	0	0	0
096	1/12/2018	11:00:55	0	0	0
097	1/12/2018	11:01:55	0	0	0
098	1/12/2018	11:02:55	0	0	0
099	1/12/2018	11:03:55	0	0	0
100	1/12/2018	11:04:55	0	0	0
101	1/12/2018	11:05:55	0	0	0
102	1/12/2018	11:06:55	0	0	0
103	1/12/2018	11:07:55	0	0	0
104	1/12/2018	11:08:55	0	0	0
105	1/12/2018	11:09:55	0	0	0
106	1/12/2018	11:10:55	0	0	0
107	1/12/2018	11:11:55	0	0	0
108	1/12/2018	11:12:55	0	0	0
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110	1/12/2018	11:14:55	0	0	0
111	1/12/2018	11:15:55	0	0	0
112	1/12/2018	11:16:55	0	0	0
113	1/12/2018	11:17:55	0	0	0
114	1/12/2018	11:18:55	0	0	0
115	1/12/2018	11:19:55	0	0	0
116	1/12/2018	11:20:55	0	0	0
117	1/12/2018	11:21:55	0	0	0
118	1/12/2018	11:22:55	0	0	0
119	1/12/2018	11:23:55	0	0	0
120	1/12/2018	11:24:55	0	0	0
121	1/12/2018	11:25:55	0	0	0
122	1/12/2018	11:26:55	0	0	0
123	1/12/2018	11:27:55	0	0	0
124	1/12/2018	11:28:55	0	0	0
125	1/12/2018	11:29:55	0	0	0
126	1/12/2018	11:30:55	0	0	0
127	1/12/2018	11:31:55	0	0	0
128	1/12/2018	11:32:55	0	0	0
129	1/12/2018	11:33:55	0	0	0
130	1/12/2018	11:34:55	0	0	0
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132	1/12/2018	11:36:55	0	0	0
133	1/12/2018	11:37:55	0	0	0
134	1/12/2018	11:38:55	0	0	0
135	1/12/2018	11:39:55	0	0	0
136	1/12/2018	11:40:55	0	0	0
137	1/12/2018	11:41:55	0	0	0
138	1/12/2018	11:42:55	0	0	0
139	1/12/2018	11:43:55	0	0	0

			Pine_16464_20180226		
140	1/12/2018	11:44:55	0	0	0
141	1/12/2018	11:45:55	0	0	0
142	1/12/2018	11:46:55	0	0	0
143	1/12/2018	11:47:55	0	0	0
144	1/12/2018	11:48:55	0	0	0
145	1/12/2018	11:49:55	0	0	0
146	1/12/2018	11:50:55	0	0	0
147	1/12/2018	11:51:55	0	0	0
148	1/12/2018	11:52:55	0	0	0
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155	1/12/2018	11:59:55	0	0	0
156	1/12/2018	12:00:55	0	0	0
157	1/12/2018	12:01:55	0	0	0
158	1/12/2018	12:02:55	0	0	0
159	1/12/2018	12:03:55	0	0	0
160	1/12/2018	12:04:55	0	0	0
161	1/12/2018	12:05:55	0	0	0
162	1/12/2018	12:06:55	0	0	0
163	1/12/2018	12:07:55	0	0	0
164	1/12/2018	12:08:55	0	0	0
165	1/12/2018	12:09:55	0	0	0
166	1/12/2018	12:10:55	0	0	0
167	1/12/2018	12:11:55	0	0	0
168	1/12/2018	12:12:55	0	0	0
169	1/12/2018	12:13:55	0	0	0
170	1/12/2018	12:14:55	0	0	0
171	1/12/2018	12:15:55	0	0	0
172	1/12/2018	12:16:55	0	0	0
173	1/12/2018	12:17:55	0	0	0
174	1/12/2018	12:18:55	0	0	0
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176	1/12/2018	12:20:55	0	0	0
177	1/12/2018	12:21:55	0	0	0
178	1/12/2018	12:22:55	0	0	0
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182	1/12/2018	12:26:55	0	0	0
183	1/12/2018	12:27:55	0	0	0
184	1/12/2018	12:28:55	0	0	0
185	1/12/2018	12:29:55	0	0	0
186	1/12/2018	12:30:55	0	0	0
187	1/12/2018	12:31:55	0	0	0

			Pine_16464_20180226		
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190	1/12/2018	12:34:55	0	0	0
191	1/12/2018	12:35:55	0	0	0
192	1/12/2018	12:36:55	0	0	0
193	1/12/2018	12:37:55	0	0	0
194	1/12/2018	12:38:55	0	0	0
195	1/12/2018	12:39:55	0	0	0
196	1/12/2018	12:40:55	0	0	0
197	1/12/2018	12:41:55	0	0	0
198	1/12/2018	12:42:55	0	0	0
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202	1/12/2018	12:46:55	0	0	0
203	1/12/2018	12:47:55	0	0	0
204	1/12/2018	12:48:55	0	0	0
205	1/12/2018	12:49:55	0	0	0
206	1/12/2018	12:50:55	0	0	0
207	1/12/2018	12:51:55	0	0	0
208	1/12/2018	12:52:55	0	0	0
209	1/12/2018	12:53:55	0	0	0
210	1/12/2018	12:54:55	0	0	0
211	1/12/2018	12:55:55	0	0	0
212	1/12/2018	12:56:55	0	0	0
213	1/12/2018	12:57:55	0	0	0
214	1/12/2018	12:58:55	0	0	0
215	1/12/2018	12:59:55	0	0	0
216	1/12/2018	13:00:55	0	0	0
217	1/12/2018	13:01:55	0	0	0
218	1/12/2018	13:02:55	0	0	0
219	1/12/2018	13:03:55	0	0	0
220	1/12/2018	13:04:55	0	0	0
221	1/12/2018	13:05:55	0	0	0
222	1/12/2018	13:06:55	0	0	0
223	1/12/2018	13:07:55	0	0	0
224	1/12/2018	13:08:55	0	0	0
225	1/12/2018	13:09:55	0	0	0
226	1/12/2018	13:10:55	0	0	0
227	1/12/2018	13:11:55	0	0	0
228	1/12/2018	13:12:55	0	0	0
229	1/12/2018	13:13:55	0	0	0
230	1/12/2018	13:14:55	0	0	0
231	1/12/2018	13:15:55	0	0	0
232	1/12/2018	13:16:55	0	0	0
233	1/12/2018	13:17:55	0	0	0
234	1/12/2018	13:18:55	0	0	0
235	1/12/2018	13:19:55	0	0	0

Pine_16464_20180226			
236	1/12/2018	13:20:55	0 0 0
237	1/12/2018	13:21:55	0 0 0
238	1/12/2018	13:22:55	0 0 0
239	1/12/2018	13:23:55	0 0 0
240	1/12/2018	13:24:55	0 0 0
241	1/12/2018	13:25:55	0 0 0
242	1/12/2018	13:26:55	0 0 0
243	1/12/2018	13:27:55	0 0 0
244	1/12/2018	13:28:55	0 0 0
245	1/12/2018	13:29:55	0 0 0
246	1/12/2018	13:30:55	0 0 0
247	1/12/2018	13:31:55	0 0 0
248	1/12/2018	13:32:55	0 0 0
249	1/12/2018	13:33:55	0 0 0
250	1/12/2018	13:34:55	0 0 0
251	1/12/2018	13:35:55	0 0 0
252	1/12/2018	13:36:55	0 0 0
253	1/12/2018	13:37:55	0 0 0
254	1/12/2018	13:38:55	0 0 0
255	1/12/2018	13:39:55	0 0 0
256	1/12/2018	13:40:55	0 0 0
257	1/12/2018	13:41:55	0 0 0
258	1/12/2018	13:42:55	0 0 0
259	1/12/2018	13:43:55	0 0 0
260	1/12/2018	13:44:55	0 0 0
261	1/12/2018	13:45:55	0 0 0
262	1/12/2018	13:46:55	0 0 0
263	1/12/2018	13:47:55	0 0 0
264	1/12/2018	13:48:55	0 0 0
265	1/12/2018	13:49:55	0 0 0
266	1/12/2018	13:50:55	0 0 0
267	1/12/2018	13:51:55	0 0 0
268	1/12/2018	13:52:55	0 0 0
269	1/12/2018	13:53:55	0 0 0
270	1/12/2018	13:54:55	0 0 0
271	1/12/2018	13:55:55	0 0 0
Peak	0	0	0
Min	0	0	0
Average	0	0	0

=====

18/01/18 09:06

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 1/18/2018 09:06:36
End 1/18/2018 09:06:46
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11

Datalog

0 record.

=====

18/01/19 10:09

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Pine_16464_20180226

Site ID 00000056

User ID 00000001

Begin 1/19/2018 10:09:59
End 1/19/2018 15:02:44
Sample Period(s) 60
Number of Records 292

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/19/2018 10:10:59	0	0	0	0
002	1/19/2018 10:11:59	0	0	0	0
003	1/19/2018 10:12:59	0	0	0	0
004	1/19/2018 10:13:59	0	0	0	0
005	1/19/2018 10:14:59	0	0	0	0
006	1/19/2018 10:15:59	0	0	0	0
007	1/19/2018 10:16:59	0	0	0	0
008	1/19/2018 10:17:59	0	0	0	0
009	1/19/2018 10:18:59	0	0	0	0
010	1/19/2018 10:19:59	0	0	0	0
011	1/19/2018 10:20:59	0	0	0	0
012	1/19/2018 10:21:59	0	0	0	0
013	1/19/2018 10:22:59	0	0	0	0
014	1/19/2018 10:23:59	0	0	0	0
015	1/19/2018 10:24:59	0	0	0	0
016	1/19/2018 10:25:59	0	0	0	0
017	1/19/2018 10:26:59	0	0	0	0
018	1/19/2018 10:27:59	0	0	0	0
019	1/19/2018 10:28:59	0	0	0	0
020	1/19/2018 10:29:59	0	0	0	0
021	1/19/2018 10:30:59	0	0	0	0
022	1/19/2018 10:31:59	0	0	0	0

			Pine_16464_20180226			
023	1/19/2018	10:32:59	0	0	0	
024	1/19/2018	10:33:59	0	0	0	
025	1/19/2018	10:34:59	0	0	0	
026	1/19/2018	10:35:59	0	0	0	
027	1/19/2018	10:36:59	0	0	0	
028	1/19/2018	10:37:59	0	0	0	
029	1/19/2018	10:38:59	0	0	0	
030	1/19/2018	10:39:59	0	0	0	
031	1/19/2018	10:40:59	0	0	0	
032	1/19/2018	10:41:59	0	0	0	
033	1/19/2018	10:42:59	0	0	0	
034	1/19/2018	10:43:59	0	0	0	
035	1/19/2018	10:44:59	0	0	0	
036	1/19/2018	10:45:59	0	0	0	
037	1/19/2018	10:46:59	0	0	0	
038	1/19/2018	10:47:59	0	0	0	
039	1/19/2018	10:48:59	0	0	0	
040	1/19/2018	10:49:59	0	0	0	
041	1/19/2018	10:50:59	0	0	0	
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043	1/19/2018	10:52:59	0	0	0	
044	1/19/2018	10:53:59	0	0	0	
045	1/19/2018	10:54:59	4261233925	2458925336		16908354
046	1/19/2018	10:55:59	369557760	16777234		2617380977
047	1/19/2018	10:56:59	302061065	118886913		370093318
048	1/19/2018	10:57:59	3944496	808464432	892731440	
049	1/19/2018	10:58:59	808464432	808464640		3072
050	1/19/2018	10:59:59	101633	7392003	65536	
051	1/19/2018	11:00:59	0	0	33685751	
052	1/19/2018	11:01:59	831000842	319621888		25600000
053	1/19/2018	11:02:59	12800000	25600000		3840000000
054	1/19/2018	11:03:59	6400000	25600073	1936679541	
055	1/19/2018	11:04:59	1954114661	1852112896		0
056	1/19/2018	11:05:59	655360	0	0	
057	1/19/2018	11:06:59	0	0	0	
058	1/19/2018	11:07:59	0	0	0	
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062	1/19/2018	11:11:59	0	0	0	
063	1/19/2018	11:12:59	0	0	0	
064	1/19/2018	11:13:59	0	0	0	
065	1/19/2018	11:14:59	0	0	0	
066	1/19/2018	11:15:59	0	0	0	
067	1/19/2018	11:16:59	0	0	0	
068	1/19/2018	11:17:59	0	0	0	
069	1/19/2018	11:18:59	0	0	0	
070	1/19/2018	11:19:59	0	0	0	

Pine_16464_20180226

071	1/19/2018	11:20:59	0	0	0
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073	1/19/2018	11:22:59	0	0	0
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075	1/19/2018	11:24:59	0	0	0
076	1/19/2018	11:25:59	0	0	0
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078	1/19/2018	11:27:59	0	0	0
079	1/19/2018	11:28:59	0	0	0
080	1/19/2018	11:29:59	0	0	0
081	1/19/2018	11:30:59	0	0	0
082	1/19/2018	11:31:59	0	0	0
083	1/19/2018	11:32:59	0	0	0
084	1/19/2018	11:33:59	0	0	0
085	1/19/2018	11:34:59	0	0	0
086	1/19/2018	11:35:59	0	0	0
087	1/19/2018	11:36:59	0	0	0
088	1/19/2018	11:37:59	0	0	0
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090	1/19/2018	11:39:59	0	0	0
091	1/19/2018	11:40:59	0	0	0
092	1/19/2018	11:41:59	0	0	0
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094	1/19/2018	11:43:59	0	0	0
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102	1/19/2018	11:51:59	0	0	0
103	1/19/2018	11:52:59	0	0	0
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114	1/19/2018	12:03:59	0	0	0
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118	1/19/2018	12:07:59	0	0	0

			Pine_16464_20180226		
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120	1/19/2018	12:09:59	0	0	0
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123	1/19/2018	12:12:59	0	0	0
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127	1/19/2018	12:16:59	0	0	0
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132	1/19/2018	12:21:59	0	0	0
133	1/19/2018	12:22:59	0	0	0
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135	1/19/2018	12:24:59	0	0	0
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141	1/19/2018	12:30:59	0	0	0
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143	1/19/2018	12:32:59	0	0	0
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146	1/19/2018	12:35:59	0	0	0
147	1/19/2018	12:36:59	0	0	0
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			Pine_16464_20180226		
167	1/19/2018	12:56:59	0	0	0
168	1/19/2018	12:57:59	0	0	0
169	1/19/2018	12:58:59	0	0	0
170	1/19/2018	12:59:59	0	0	0
171	1/19/2018	13:00:59	0	0	0
172	1/19/2018	13:01:59	0	0	0
173	1/19/2018	13:02:59	0	0	0
174	1/19/2018	13:03:59	0	0	0
175	1/19/2018	13:04:59	0	0	0
176	1/19/2018	13:05:59	0	0	0
177	1/19/2018	13:06:59	0	0	0
178	1/19/2018	13:07:59	0	0	0
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183	1/19/2018	13:12:59	0	0	0
184	1/19/2018	13:13:59	0	0	0
185	1/19/2018	13:14:59	0	0	0
186	1/19/2018	13:15:59	0	0	0
187	1/19/2018	13:16:59	0	0	0
188	1/19/2018	13:17:59	0	0	0
189	1/19/2018	13:18:59	0	0	0
190	1/19/2018	13:19:59	0	0	0
191	1/19/2018	13:20:59	0	0	0
192	1/19/2018	13:21:59	0	0	0
193	1/19/2018	13:22:59	0	0	0
194	1/19/2018	13:23:59	0	0	0
195	1/19/2018	13:24:59	0	0	0
196	1/19/2018	13:25:59	0	0	0
197	1/19/2018	13:26:59	0	0	0
198	1/19/2018	13:27:59	0	0	0
199	1/19/2018	13:28:59	0	0	0
200	1/19/2018	13:29:59	0	0	0
201	1/19/2018	13:30:59	0	0	0
202	1/19/2018	13:31:59	0	0	0
203	1/19/2018	13:32:59	0	0	0
204	1/19/2018	13:33:59	0	0	0
205	1/19/2018	13:34:59	0	0	0
206	1/19/2018	13:35:59	0	0	0
207	1/19/2018	13:36:59	0	0	0
208	1/19/2018	13:37:59	0	0	0
209	1/19/2018	13:38:59	0	0	0
210	1/19/2018	13:39:59	0	0	0
211	1/19/2018	13:40:59	0	0	0
212	1/19/2018	13:41:59	0	0	0
213	1/19/2018	13:42:59	0	0	0
214	1/19/2018	13:43:59	0	0	0

			Pine_16464_20180226		
215	1/19/2018	13:44:59	0	0	0
216	1/19/2018	13:45:59	0	0	0
217	1/19/2018	13:46:59	0	0	0
218	1/19/2018	13:47:59	0	0	0
219	1/19/2018	13:48:59	0	0	0
220	1/19/2018	13:49:59	0	0	0
221	1/19/2018	13:50:59	0	0	0
222	1/19/2018	13:51:59	0	0	0
223	1/19/2018	13:52:59	0	0	0
224	1/19/2018	13:53:59	0	0	0
225	1/19/2018	13:54:59	0	0	8
226	1/19/2018	13:55:59	0	3	12
227	1/19/2018	13:56:59	0	0	0
228	1/19/2018	13:57:59	0	0	0
229	1/19/2018	13:58:59	0	0	0
230	1/19/2018	13:59:59	0	0	0
231	1/19/2018	14:00:59	0	0	0
232	1/19/2018	14:01:59	0	0	0
233	1/19/2018	14:02:59	0	0	0
234	1/19/2018	14:03:59	0	0	0
235	1/19/2018	14:04:59	0	0	0
236	1/19/2018	14:05:59	0	0	0
237	1/19/2018	14:06:59	0	0	0
238	1/19/2018	14:07:59	0	0	0
239	1/19/2018	14:08:59	0	0	0
240	1/19/2018	14:09:59	0	0	0
241	1/19/2018	14:10:59	0	0	0
242	1/19/2018	14:11:59	0	0	0
243	1/19/2018	14:12:59	0	0	0
244	1/19/2018	14:13:59	0	0	0
245	1/19/2018	14:14:59	0	0	0
246	1/19/2018	14:15:59	0	0	0
247	1/19/2018	14:16:59	0	0	0
248	1/19/2018	14:17:59	0	0	0
249	1/19/2018	14:18:59	0	0	0
250	1/19/2018	14:19:59	0	0	0
251	1/19/2018	14:20:59	0	0	0
252	1/19/2018	14:21:59	0	0	0
253	1/19/2018	14:22:59	0	0	0
254	1/19/2018	14:23:59	0	0	0
255	1/19/2018	14:24:59	0	0	0
256	1/19/2018	14:25:59	0	0	0
257	1/19/2018	14:26:59	0	0	0
258	1/19/2018	14:27:59	0	0	0
259	1/19/2018	14:28:59	0	0	0
260	1/19/2018	14:29:59	0	0	0
261	1/19/2018	14:30:59	0	0	0
262	1/19/2018	14:31:59	0	0	0

			Pine_16464_20180226		
263	1/19/2018	14:32:59	0	0	0
264	1/19/2018	14:33:59	0	0	0
265	1/19/2018	14:34:59	0	0	0
266	1/19/2018	14:35:59	0	0	8
267	1/19/2018	14:36:59	0	0	0
268	1/19/2018	14:37:59	0	0	0
269	1/19/2018	14:38:59	0	0	0
270	1/19/2018	14:39:59	0	0	0
271	1/19/2018	14:40:59	0	0	0
272	1/19/2018	14:41:59	0	0	0
273	1/19/2018	14:42:59	0	0	0
274	1/19/2018	14:43:59	0	0	0
275	1/19/2018	14:44:59	0	0	0
276	1/19/2018	14:45:59	0	0	0
277	1/19/2018	14:46:59	0	0	0
278	1/19/2018	14:47:59	0	0	0
279	1/19/2018	14:48:59	0	0	0
280	1/19/2018	14:49:59	0	0	0
281	1/19/2018	14:50:59	0	0	0
282	1/19/2018	14:51:59	0	0	0
283	1/19/2018	14:52:59	0	0	0
284	1/19/2018	14:53:59	0	0	0
285	1/19/2018	14:54:59	0	0	0
286	1/19/2018	14:55:59	0	0	0
287	1/19/2018	14:56:59	0	0	0
288	1/19/2018	14:57:59	0	0	0
289	1/19/2018	14:58:59	0	0	14
290	1/19/2018	14:59:59	0	2	18
291	1/19/2018	15:00:59	0	0	0
292	1/19/2018	15:01:59	0	0	0
Peak		4261233925	2458925336	3840000000	
Min		0 0	0		
Average		29281966	22061114	33332699	

=====

18/01/22 09:07

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056User ID 00000001

Begin 1/22/2018 09:07:22

End 1/22/2018 15:45:06

Sample Period(s) 60

Number of Records 397

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

TWA Alarm 100000

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Peak N/A

Min N/A

Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/22/2018 09:08:22	0	0	0	0
002	1/22/2018 09:09:22	0	0	0	0
003	1/22/2018 09:10:22	0	0	0	0
004	1/22/2018 09:11:22	0	0	0	0
005	1/22/2018 09:12:22	0	0	0	0
006	1/22/2018 09:13:22	0	0	0	0
007	1/22/2018 09:14:22	0	0	0	0
008	1/22/2018 09:15:22	0	0	0	0
009	1/22/2018 09:16:22	0	0	0	0
010	1/22/2018 09:17:22	0	0	0	0
011	1/22/2018 09:18:22	0	0	0	0
012	1/22/2018 09:19:22	0	0	0	0
013	1/22/2018 09:20:22	0	0	0	0
014	1/22/2018 09:21:22	0	0	0	0
015	1/22/2018 09:22:22	0	0	0	0
016	1/22/2018 09:23:22	0	0	0	0
017	1/22/2018 09:24:22	0	0	0	0
018	1/22/2018 09:25:22	0	0	0	0
019	1/22/2018 09:26:22	0	0	0	0
020	1/22/2018 09:27:22	0	0	0	0

			Pine_16464_20180226		
021	1/22/2018	09:28:22	0	0	0
022	1/22/2018	09:29:22	0	0	0
023	1/22/2018	09:30:22	0	0	0
024	1/22/2018	09:31:22	0	0	0
025	1/22/2018	09:32:22	0	0	0
026	1/22/2018	09:33:22	0	0	0
027	1/22/2018	09:34:22	0	0	0
028	1/22/2018	09:35:22	0	0	0
029	1/22/2018	09:36:22	0	0	0
030	1/22/2018	09:37:22	0	0	0
031	1/22/2018	09:38:22	0	0	0
032	1/22/2018	09:39:22	0	0	0
033	1/22/2018	09:40:22	0	0	0
034	1/22/2018	09:41:22	0	0	0
035	1/22/2018	09:42:22	0	0	0
036	1/22/2018	09:43:22	0	0	0
037	1/22/2018	09:44:22	0	0	0
038	1/22/2018	09:45:22	0	0	0
039	1/22/2018	09:46:22	0	0	0
040	1/22/2018	09:47:22	0	0	0
041	1/22/2018	09:48:22	0	0	0
042	1/22/2018	09:49:22	0	0	0
043	1/22/2018	09:50:22	0	0	0
044	1/22/2018	09:51:22	0	0	0
045	1/22/2018	09:52:22	0	0	0
046	1/22/2018	09:53:22	0	0	0
047	1/22/2018	09:54:22	0	0	0
048	1/22/2018	09:55:22	0	0	0
049	1/22/2018	09:56:22	0	0	0
050	1/22/2018	09:57:22	0	0	0
051	1/22/2018	09:58:22	0	0	0
052	1/22/2018	09:59:22	0	0	0
053	1/22/2018	10:00:22	0	0	0
054	1/22/2018	10:01:22	0	0	0
055	1/22/2018	10:02:22	0	0	0
056	1/22/2018	10:03:22	0	0	0
057	1/22/2018	10:04:22	0	0	0
058	1/22/2018	10:05:22	0	0	0
059	1/22/2018	10:06:22	0	0	0
060	1/22/2018	10:07:22	0	0	0
061	1/22/2018	10:08:22	0	0	0
062	1/22/2018	10:09:22	0	0	0
063	1/22/2018	10:10:22	0	0	0
064	1/22/2018	10:11:22	0	0	0
065	1/22/2018	10:12:22	0	0	0
066	1/22/2018	10:13:22	0	0	0
067	1/22/2018	10:14:22	0	0	0
068	1/22/2018	10:15:22	0	0	0

			Pine_16464_20180226			
069	1/22/2018	10:16:22	0	0	0	
070	1/22/2018	10:17:22	0	0	0	
071	1/22/2018	10:18:22	0	0	0	
072	1/22/2018	10:19:22	0	0	0	
073	1/22/2018	10:20:22	0	0	0	
074	1/22/2018	10:21:22	0	0	0	
075	1/22/2018	10:22:22	0	0	0	
076	1/22/2018	10:23:22	0	0	0	
077	1/22/2018	10:24:22	0	0	0	
078	1/22/2018	10:25:22	0	0	0	
079	1/22/2018	10:26:22	0	0	0	
080	1/22/2018	10:27:22	0	0	0	
081	1/22/2018	10:28:22	0	0	0	
082	1/22/2018	10:29:22	0	0	0	
083	1/22/2018	10:30:22	0	0	0	
084	1/22/2018	10:31:22	0	0	0	
085	1/22/2018	10:32:22	0	0	0	
086	1/22/2018	10:33:22	0	0	0	
087	1/22/2018	10:34:22	0	0	0	
088	1/22/2018	10:35:22	0	0	0	
089	1/22/2018	10:36:22	0	0	0	
090	1/22/2018	10:37:22	0	0	0	
091	1/22/2018	10:38:22	0	0	0	
092	1/22/2018	10:39:22	0	0	0	
093	1/22/2018	10:40:22	0	0	0	
094	1/22/2018	10:41:22	0	0	0	
095	1/22/2018	10:42:22	0	0	0	
096	1/22/2018	10:43:22	0	0	0	
097	1/22/2018	10:44:22	0	0	0	
098	1/22/2018	10:45:22	0	0	0	
099	1/22/2018	10:46:22	0	0	0	
100	1/22/2018	10:47:22	0	0	0	
101	1/22/2018	10:48:22	0	0	0	
102	1/22/2018	10:49:22	0	0	0	
103	1/22/2018	10:50:22	0	0	0	
104	1/22/2018	10:51:22	0	0	0	
105	1/22/2018	10:52:22	0	0	0	
106	1/22/2018	10:53:22	0	0	0	
107	1/22/2018	10:54:22	0	0	0	
108	1/22/2018	10:55:22	0	0	0	
109	1/22/2018	10:56:22	0	0	0	
110	1/22/2018	10:57:22	0	0	0	
111	1/22/2018	10:58:22	0	0	0	
112	1/22/2018	10:59:22	0	0	0	
113	1/22/2018	11:00:22	0	0	0	
114	1/22/2018	11:01:22	0	0	0	
115	1/22/2018	11:02:22	0	0	0	
116	1/22/2018	11:03:22	0	0	0	

			Pine_16464_20180226		
117	1/22/2018	11:04:22	0	0	0
118	1/22/2018	11:05:22	0	0	0
119	1/22/2018	11:06:22	0	0	0
120	1/22/2018	11:07:22	0	0	0
121	1/22/2018	11:08:22	0	0	0
122	1/22/2018	11:09:22	0	0	0
123	1/22/2018	11:10:22	0	0	0
124	1/22/2018	11:11:22	0	0	0
125	1/22/2018	11:12:22	0	0	0
126	1/22/2018	11:13:22	0	0	0
127	1/22/2018	11:14:22	0	0	0
128	1/22/2018	11:15:22	0	0	0
129	1/22/2018	11:16:22	0	0	0
130	1/22/2018	11:17:22	0	0	0
131	1/22/2018	11:18:22	0	0	0
132	1/22/2018	11:19:22	0	0	0
133	1/22/2018	11:20:22	0	0	0
134	1/22/2018	11:21:22	0	0	0
135	1/22/2018	11:22:22	0	0	0
136	1/22/2018	11:23:22	0	0	0
137	1/22/2018	11:24:22	0	0	8
138	1/22/2018	11:25:22	0	3	12
139	1/22/2018	11:26:22	0	0	0
140	1/22/2018	11:27:22	0	0	0
141	1/22/2018	11:28:22	0	0	0
142	1/22/2018	11:29:22	0	0	0
143	1/22/2018	11:30:22	0	0	0
144	1/22/2018	11:31:22	0	0	0
145	1/22/2018	11:32:22	0	0	0
146	1/22/2018	11:33:22	0	0	0
147	1/22/2018	11:34:22	0	0	0
148	1/22/2018	11:35:22	0	0	0
149	1/22/2018	11:36:22	0	0	0
150	1/22/2018	11:37:22	0	0	0
151	1/22/2018	11:38:22	0	0	0
152	1/22/2018	11:39:22	0	0	0
153	1/22/2018	11:40:22	0	0	0
154	1/22/2018	11:41:22	0	0	0
155	1/22/2018	11:42:22	0	0	0
156	1/22/2018	11:43:22	0	0	0
157	1/22/2018	11:44:22	0	0	0
158	1/22/2018	11:45:22	0	0	0
159	1/22/2018	11:46:22	0	0	0
160	1/22/2018	11:47:22	0	0	0
161	1/22/2018	11:48:22	0	0	0
162	1/22/2018	11:49:22	0	0	0
163	1/22/2018	11:50:22	0	0	0
164	1/22/2018	11:51:22	0	0	0

			Pine_16464_20180226		
165	1/22/2018	11:52:22	0	0	0
166	1/22/2018	11:53:22	0	0	0
167	1/22/2018	11:54:22	0	0	0
168	1/22/2018	11:55:22	0	0	0
169	1/22/2018	11:56:22	0	0	0
170	1/22/2018	11:57:22	0	0	0
171	1/22/2018	11:58:22	0	0	0
172	1/22/2018	11:59:22	0	0	0
173	1/22/2018	12:00:22	0	0	0
174	1/22/2018	12:01:22	0	0	0
175	1/22/2018	12:02:22	0	0	0
176	1/22/2018	12:03:22	0	0	0
177	1/22/2018	12:04:22	0	0	0
178	1/22/2018	12:05:22	0	0	8
179	1/22/2018	12:06:22	0	0	0
180	1/22/2018	12:07:22	0	0	0
181	1/22/2018	12:08:22	0	0	0
182	1/22/2018	12:09:22	0	0	0
183	1/22/2018	12:10:22	0	0	0
184	1/22/2018	12:11:22	0	0	0
185	1/22/2018	12:12:22	0	0	0
186	1/22/2018	12:13:22	0	0	0
187	1/22/2018	12:14:22	0	0	0
188	1/22/2018	12:15:22	0	0	0
189	1/22/2018	12:16:22	0	0	0
190	1/22/2018	12:17:22	0	0	0
191	1/22/2018	12:18:22	0	0	0
192	1/22/2018	12:19:22	0	0	0
193	1/22/2018	12:20:22	0	0	0
194	1/22/2018	12:21:22	0	0	0
195	1/22/2018	12:22:22	0	0	0
196	1/22/2018	12:23:22	0	0	0
197	1/22/2018	12:24:22	0	0	0
198	1/22/2018	12:25:22	0	0	0
199	1/22/2018	12:26:22	0	0	0
200	1/22/2018	12:27:22	0	0	0
201	1/22/2018	12:28:22	0	0	14
202	1/22/2018	12:29:22	0	2	18
203	1/22/2018	12:30:22	0	0	0
204	1/22/2018	12:31:22	0	0	0
205	1/22/2018	12:32:22	0	0	0
206	1/22/2018	12:33:22	0	0	0
207	1/22/2018	12:34:22	0	3	27
208	1/22/2018	12:35:22	0	16	49
209	1/22/2018	12:36:22	0	0	0
210	1/22/2018	12:37:22	0	0	0
211	1/22/2018	12:38:22	0	0	0
212	1/22/2018	12:39:22	0	0	3

			Pine_16464_20180226		
213	1/22/2018	12:40:22	0	0	0
214	1/22/2018	12:41:22	0	0	1
215	1/22/2018	12:42:22	0	0	0
216	1/22/2018	12:43:22	0	0	0
217	1/22/2018	12:44:22	0	0	0
218	1/22/2018	12:45:22	0	0	0
219	1/22/2018	12:46:22	0	0	0
220	1/22/2018	12:47:22	0	0	0
221	1/22/2018	12:48:22	0	0	0
222	1/22/2018	12:49:22	0	0	0
223	1/22/2018	12:50:22	0	0	0
224	1/22/2018	12:51:22	0	0	0
225	1/22/2018	12:52:22	0	0	0
226	1/22/2018	12:53:22	0	0	0
227	1/22/2018	12:54:22	0	0	0
228	1/22/2018	12:55:22	0	25	91
229	1/22/2018	12:56:22	0	6	30
230	1/22/2018	12:57:22	0	6	23
231	1/22/2018	12:58:22	0	6	28
232	1/22/2018	12:59:22	0	0	0
233	1/22/2018	13:00:22	0	0	3
234	1/22/2018	13:01:22	0	0	0
235	1/22/2018	13:02:22	0	0	0
236	1/22/2018	13:03:22	0	0	4
237	1/22/2018	13:04:22	6	25	46
238	1/22/2018	13:05:22	47	84	106
239	1/22/2018	13:06:22	83	119	139
240	1/22/2018	13:07:22	59	103	139
241	1/22/2018	13:08:22	45	65	90
242	1/22/2018	13:09:22	7	57	87
243	1/22/2018	13:10:22	7	26	46
244	1/22/2018	13:11:22	5	11	15
245	1/22/2018	13:12:22	2	12	24
246	1/22/2018	13:13:22	0	11	23
247	1/22/2018	13:14:22	0	0	0
248	1/22/2018	13:15:22	0	0	0
249	1/22/2018	13:16:22	0	0	0
250	1/22/2018	13:17:22	0	0	0
251	1/22/2018	13:18:22	0	0	0
252	1/22/2018	13:19:22	0	0	0
253	1/22/2018	13:20:22	0	0	0
254	1/22/2018	13:21:22	0	0	0
255	1/22/2018	13:22:22	0	0	0
256	1/22/2018	13:23:22	0	0	0
257	1/22/2018	13:24:22	0	0	0
258	1/22/2018	13:25:22	0	0	0
259	1/22/2018	13:26:22	0	0	0
260	1/22/2018	13:27:22	0	0	0

			Pine_16464_20180226		
261	1/22/2018	13:28:22	0	0	0
262	1/22/2018	13:29:22	0	0	0
263	1/22/2018	13:30:22	0	0	0
264	1/22/2018	13:31:22	0	0	0
265	1/22/2018	13:32:22	0	0	0
266	1/22/2018	13:33:22	0	0	0
267	1/22/2018	13:34:22	0	0	0
268	1/22/2018	13:35:22	0	0	0
269	1/22/2018	13:36:22	0	0	0
270	1/22/2018	13:37:22	0	0	0
271	1/22/2018	13:38:22	0	0	0
272	1/22/2018	13:39:22	0	0	0
273	1/22/2018	13:40:22	0	0	0
274	1/22/2018	13:41:22	0	0	0
275	1/22/2018	13:42:22	0	0	1
276	1/22/2018	13:43:22	2	71	109
277	1/22/2018	13:44:22	62	72	85
278	1/22/2018	13:45:22	21	42	64
279	1/22/2018	13:46:22	0	15	44
280	1/22/2018	13:47:22	0	2	9
281	1/22/2018	13:48:22	0	0	0
282	1/22/2018	13:49:22	0	0	0
283	1/22/2018	13:50:22	0	3	24
284	1/22/2018	13:51:22	0	1	34
285	1/22/2018	13:52:22	34	70	106
286	1/22/2018	13:53:22	0	23	86
287	1/22/2018	13:54:22	0	24	50
288	1/22/2018	13:55:22	11	20	33
289	1/22/2018	13:56:22	0	0	12
290	1/22/2018	13:57:22	0	2	22
291	1/22/2018	13:58:22	0	10	43
292	1/22/2018	13:59:22	0	0	0
293	1/22/2018	14:00:22	0	0	0
294	1/22/2018	14:01:22	0	0	0
295	1/22/2018	14:02:22	0	8	29
296	1/22/2018	14:03:22	0	9	24
297	1/22/2018	14:04:22	0	0	0
298	1/22/2018	14:05:22	0	0	0
299	1/22/2018	14:06:22	0	0	0
300	1/22/2018	14:07:22	0	0	0
301	1/22/2018	14:08:22	0	0	0
302	1/22/2018	14:09:22	0	0	0
303	1/22/2018	14:10:22	0	0	0
304	1/22/2018	14:11:22	0	2	20
305	1/22/2018	14:12:22	0	0	0
306	1/22/2018	14:13:22	0	0	0
307	1/22/2018	14:14:22	0	0	0
308	1/22/2018	14:15:22	0	0	0

			Pine_16464_20180226		
309	1/22/2018	14:16:22	0	0	0
310	1/22/2018	14:17:22	0	0	0
311	1/22/2018	14:18:22	0	0	0
312	1/22/2018	14:19:22	0	4	68
313	1/22/2018	14:20:22	32	59	119
314	1/22/2018	14:21:22	8	34	85
315	1/22/2018	14:22:22	0	5	23
316	1/22/2018	14:23:22	0	0	0
317	1/22/2018	14:24:22	0	0	0
318	1/22/2018	14:25:22	0	0	0
319	1/22/2018	14:26:22	0	0	0
320	1/22/2018	14:27:22	0	0	1
321	1/22/2018	14:28:22	0	0	0
322	1/22/2018	14:29:22	0	0	0
323	1/22/2018	14:30:22	0	0	0
324	1/22/2018	14:31:22	0	0	0
325	1/22/2018	14:32:22	0	0	0
326	1/22/2018	14:33:22	0	0	0
327	1/22/2018	14:34:22	0	0	0
328	1/22/2018	14:35:22	0	0	0
329	1/22/2018	14:36:22	0	0	0
330	1/22/2018	14:37:22	0	0	0
331	1/22/2018	14:38:22	0	0	0
332	1/22/2018	14:39:22	0	0	0
333	1/22/2018	14:40:22	0	0	0
334	1/22/2018	14:41:22	0	0	0
335	1/22/2018	14:42:22	0	0	0
336	1/22/2018	14:43:22	0	0	0
337	1/22/2018	14:44:22	0	0	0
338	1/22/2018	14:45:22	0	0	0
339	1/22/2018	14:46:22	0	0	0
340	1/22/2018	14:47:22	0	0	0
341	1/22/2018	14:48:22	0	0	0
342	1/22/2018	14:49:22	0	0	0
343	1/22/2018	14:50:22	0	0	0
344	1/22/2018	14:51:22	0	0	0
345	1/22/2018	14:52:22	0	0	0
346	1/22/2018	14:53:22	0	0	0
347	1/22/2018	14:54:22	0	0	0
348	1/22/2018	14:55:22	0	0	0
349	1/22/2018	14:56:22	0	0	0
350	1/22/2018	14:57:22	0	0	0
351	1/22/2018	14:58:22	0	0	0
352	1/22/2018	14:59:22	0	0	0
353	1/22/2018	15:00:22	0	0	0
354	1/22/2018	15:01:22	0	0	0
355	1/22/2018	15:02:22	0	0	0
356	1/22/2018	15:03:22	0	0	0

				Pine_16464_20180226		
357	1/22/2018	15:04:22	0	0	0	
358	1/22/2018	15:05:22	0	0	0	
359	1/22/2018	15:06:22	0	0	0	
360	1/22/2018	15:07:22	0	0	0	
361	1/22/2018	15:08:22	0	0	0	
362	1/22/2018	15:09:22	0	0	0	
363	1/22/2018	15:10:22	0	0	0	
364	1/22/2018	15:11:22	0	0	0	
365	1/22/2018	15:12:22	0	0	0	
366	1/22/2018	15:13:22	0	0	0	
367	1/22/2018	15:14:22	0	0	0	
368	1/22/2018	15:15:22	0	0	0	
369	1/22/2018	15:16:22	0	0	0	
370	1/22/2018	15:17:22	0	0	0	
371	1/22/2018	15:18:22	0	0	0	
372	1/22/2018	15:19:22	0	0	0	
373	1/22/2018	15:20:22	0	0	0	
374	1/22/2018	15:21:22	0	0	0	
375	1/22/2018	15:22:22	0	0	0	
376	1/22/2018	15:23:22	0	0	0	
377	1/22/2018	15:24:22	0	0	0	
378	1/22/2018	15:25:22	0	0	0	
379	1/22/2018	15:26:22	0	0	0	
380	1/22/2018	15:27:22	0	0	0	
381	1/22/2018	15:28:22	0	0	0	
382	1/22/2018	15:29:22	0	0	0	
383	1/22/2018	15:30:22	0	0	0	
384	1/22/2018	15:31:22	0	0	0	
385	1/22/2018	15:32:22	0	0	0	
386	1/22/2018	15:33:22	0	0	0	
387	1/22/2018	15:34:22	0	0	0	
388	1/22/2018	15:35:22	0	0	0	
389	1/22/2018	15:36:22	0	0	0	
390	1/22/2018	15:37:22	0	0	0	
391	1/22/2018	15:38:22	0	0	0	
392	1/22/2018	15:39:22	0	0	0	
393	1/22/2018	15:40:22	0	0	0	
394	1/22/2018	15:41:22	0	0	0	
395	1/22/2018	15:42:22	0	0	0	
396	1/22/2018	15:43:22	0	130	562	
397	1/22/2018	15:44:22	469	664	1183	
Peak		469	664	1183		
Min		0	0	0		
Average		2	5	10		

=====

18/01/24 11:21

Summary

 Unit Name MiniRAE 3000(PGM-7320)
 Unit SN 592-903918
 Unit Firmware Ver V1.20B

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

Site ID 00000056
 User ID 00000001

Begin 1/24/2018 11:21:14
 End 1/24/2018 11:26:41
 Sample Period(s) 60
 Number of Records 5

Sensor VOC(ppb)
 Span 100000
 Span 2 N/A
 Low Alarm 50000
 High Alarm 100000
 Over Alarm 15000000
 STEL Alarm 25000
 TWA Alarm 100000
 Measurement Gas Isobutylene
 Calibration Time 10/19/2017 13:11
 Peak N/A
 Min N/A
 Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/24/2018 11:22:14	0	0	0	0
002	1/24/2018 11:23:14	0	0	0	0
003	1/24/2018 11:24:14	0	0	0	0
004	1/24/2018 11:25:14	0	0	0	0
005	1/24/2018 11:26:14	0	0	0	0
Peak	0	0	0		
Min	0	0	0		
Average	0	0	0		

18/01/26 11:45

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 1/26/2018 11:45:06
End 1/26/2018 11:54:46
Sample Period(s) 60
Number of Records 9

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/26/2018 11:46:06	0	0	0	0
002	1/26/2018 11:47:06	0	0	0	0
003	1/26/2018 11:48:06	0	0	0	0
004	1/26/2018 11:49:06	0	0	0	0
005	1/26/2018 11:50:06	0	0	0	0
006	1/26/2018 11:51:06	0	0	0	0

			Pine_16464_20180226		
007	1/26/2018	11:52:06	0	0	0
008	1/26/2018	11:53:06	0	0	0
009	1/26/2018	11:54:06	0	0	0
Peak	0	0	0		
Min	0	0	0		
Average	0	0	0		

=====

18/01/29 11:35

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

Begin 1/29/2018 11:35:00

End 1/29/2018 11:40:13

Sample Period(s) 60

Number of Records 5

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

TWA Alarm 100000

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Peak N/A

Min N/A

Average N/A

Datalog

VOC(ppb)	VOC(ppb)	VOC(ppb)
----------	----------	----------

Index	Date/Time	(Min)	(Avg)	(Max)	
001	1/29/2018 11:36:00		0	0	0
002	1/29/2018 11:37:00		0	0	0
003	1/29/2018 11:38:00		0	0	0
004	1/29/2018 11:39:00		0	0	0
005	1/29/2018 11:40:00		0	0	0
Peak	0	0	0		
Min	0	0	0		
Average	0	0	0		

=====

18/01/30 10:11

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

Begin 1/30/2018 10:11:03

End 1/30/2018 10:16:05

Sample Period(s) 60

Number of Records 5

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

TWA Alarm 100000

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Peak N/A

Min N/A

Average N/A

Pine_16464_20180226

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/30/2018 10:12:03	0	0	0	0
002	1/30/2018 10:13:03	0	0	0	0
003	1/30/2018 10:14:03	0	0	0	0
004	1/30/2018 10:15:03	0	0	0	0
005	1/30/2018 10:16:03	0	0	0	0
Peak	0	0	0		
Min	0	0	0		
Average	0	0	0		

=====

18/01/30 14:24

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 1/30/2018 14:24:01
End 1/30/2018 14:30:54
Sample Period(s) 60
Number of Records 6

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 1500000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A

Pine_16464_20180226

Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/30/2018 14:25:01	0	0	0	0
002	1/30/2018 14:26:01	0	0	0	0
003	1/30/2018 14:27:01	0	0	0	0
004	1/30/2018 14:28:01	0	0	0	0
005	1/30/2018 14:29:01	0	0	0	0
006	1/30/2018 14:30:01	0	0	0	0
Peak	0	0	0		
Min	0	0	0		
Average	0	0	0		

=====

18/01/30 14:38

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 1/30/2018 14:38:39
End 1/30/2018 14:40:38
Sample Period(s) 60
Number of Records 1

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000

Pine_16464_20180226

TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/30/2018 14:39:39	0	0	0	0
Peak	0	0	0		
Min	0	0	0		
Average	0	0	0		

=====

18/01/31 10:14

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 1/31/2018 10:14:02
End 1/31/2018 10:17:33
Sample Period(s) 60
Number of Records 3

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000

Pine_16464_20180226

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Peak N/A

Min N/A

Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	1/31/2018 10:15:02	0	0	0	0
002	1/31/2018 10:16:02	0	0	0	0
003	1/31/2018 10:17:02	0	0	0	0
Peak	0	0	0		
Min	0	0	0		
Average	0	0	0		

=====

18/02/01 11:14

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 00000056

User ID 00000001

Begin 2/1/2018 11:14:55

End 2/1/2018 11:20:49

Sample Period(s) 60

Number of Records 5

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

Pine_16464_20180226

TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppb) (Min)	VOC(ppb) (Avg)	VOC(ppb) (Max)	VOC(ppb)
001	2/1/2018 11:15:55	0	0	0	0
002	2/1/2018 11:16:55	0	0	0	0
003	2/1/2018 11:17:55	0	0	0	0
004	2/1/2018 11:18:55	0	0	0	0
005	2/1/2018 11:19:55	0	0	0	0
Peak	0	0	0		
Min	0	0	0		
Average	0	0	0		

=====

18/02/26 13:11

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Pause in Menu Mode

Site ID 00000056
User ID 00000001

Begin 2/26/2018 13:11:37
End 2/26/2018 13:11:46
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000

Pine_16464_20180226

High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11

Datalog

0 record.

=====

18/02/26 13:14

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-903918
Unit Firmware Ver V1.20B

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

Site ID 00000056
User ID 00000001

Begin 2/26/2018 13:14:26
End 2/26/2018 13:14:36
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppb)
Span 100000
Span 2 N/A
Low Alarm 50000
High Alarm 100000
Over Alarm 15000000
STEL Alarm 25000
TWA Alarm 100000
Measurement Gas Isobutylene
Calibration Time 10/19/2017 13:11

Datalog

0 record.

=====

18/02/26 14:54

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-903918

Unit Firmware Ver V1.20B

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Pause in Communication Mode

Site ID 00000056

User ID 00000001

Begin 2/26/2018 14:54:17

End 2/26/2018 14:54:27

Sample Period(s) 60

Number of Records 0

Sensor VOC(ppb)

Span 100000

Span 2 N/A

Low Alarm 50000

High Alarm 100000

Over Alarm 15000000

STEL Alarm 25000

TWA Alarm 100000

Measurement Gas Isobutylene

Calibration Time 10/19/2017 13:11

Datalog

0 record.

Pine_24759_20180226

=====
17/11/03 08:06

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin 11/3/2017 08:06:41
End 11/3/2017 08:07:06
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06

Datalog

0 record.

=====
17/11/07 09:12

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

Pine_24759_20180226

```

-----
Running Mode      Hygiene Mode
Measure Type      Min; Avg; Max
Datalog Mode      Continuous
Datalog Type      Auto
Diagnostic Mode    No
Stop Reason       Battery Low
-----

```

```

Site ID RAE00000
User ID 00000001
-----

```

```

Begin   11/7/2017 09:12:15
End     11/7/2017 16:06:00
Sample Period(s)      60
Number of Records     413
-----

```

```

Sensor VOC(ppm)
Span    100.000
Span 2   N/A
Low Alarm      50.000
High Alarm     100.000
Over Alarm     15000.000
STEL Alarm     25.000
TWA Alarm      10.000
Measurement Gas Isobutylene
Calibration Time      11/3/2017 08:06
Peak      N/A
Min       N/A
Average N/A

```

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	11/7/2017 09:13:15	0.000	0.000	0.000	0.000
002	11/7/2017 09:14:15	0.000	0.000	0.000	0.000
003	11/7/2017 09:15:15	0.000	0.000	0.000	0.000
004	11/7/2017 09:16:15	0.000	0.000	0.000	0.000
005	11/7/2017 09:17:15	0.000	0.000	0.000	0.000
006	11/7/2017 09:18:15	0.000	0.000	0.000	0.000
007	11/7/2017 09:19:15	0.000	0.000	0.000	0.000
008	11/7/2017 09:20:15	0.000	0.000	0.000	0.000
009	11/7/2017 09:21:15	0.000	0.000	0.000	0.000
010	11/7/2017 09:22:15	0.000	0.000	0.000	0.000
011	11/7/2017 09:23:15	0.000	0.000	0.000	0.000
012	11/7/2017 09:24:15	0.000	0.000	0.000	0.000
013	11/7/2017 09:25:15	0.000	0.000	0.000	0.000
014	11/7/2017 09:26:15	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
015	11/7/2017	09:27:15	0.000	0.000	0.000
016	11/7/2017	09:28:15	0.000	0.000	0.000
017	11/7/2017	09:29:15	0.000	0.000	0.000
018	11/7/2017	09:30:15	0.000	0.000	0.000
019	11/7/2017	09:31:15	0.000	0.000	0.000
020	11/7/2017	09:32:15	0.000	0.000	0.000
021	11/7/2017	09:33:15	0.000	0.000	0.000
022	11/7/2017	09:34:15	0.000	0.000	0.000
023	11/7/2017	09:35:15	0.000	0.000	0.000
024	11/7/2017	09:36:15	0.000	0.000	0.000
025	11/7/2017	09:37:15	0.000	0.000	0.000
026	11/7/2017	09:38:15	0.000	0.000	0.000
027	11/7/2017	09:39:15	0.000	0.000	0.000
028	11/7/2017	09:40:15	0.000	0.000	0.000
029	11/7/2017	09:41:15	0.000	0.000	0.000
030	11/7/2017	09:42:15	0.000	0.000	0.000
031	11/7/2017	09:43:15	0.000	0.000	0.000
032	11/7/2017	09:44:15	0.000	0.000	0.000
033	11/7/2017	09:45:15	0.000	0.000	0.000
034	11/7/2017	09:46:15	0.000	0.000	0.000
035	11/7/2017	09:47:15	0.000	0.000	0.000
036	11/7/2017	09:48:15	0.000	0.000	0.000
037	11/7/2017	09:49:15	0.000	0.000	0.000
038	11/7/2017	09:50:15	0.000	0.000	0.000
039	11/7/2017	09:51:15	0.000	0.000	0.000
040	11/7/2017	09:52:15	0.000	0.000	0.000
041	11/7/2017	09:53:15	0.000	0.000	0.000
042	11/7/2017	09:54:15	0.000	0.000	0.000
043	11/7/2017	09:55:15	0.000	0.000	0.000
044	11/7/2017	09:56:15	0.000	0.000	0.000
045	11/7/2017	09:57:15	0.000	0.000	0.000
046	11/7/2017	09:58:15	0.000	0.000	0.000
047	11/7/2017	09:59:15	0.000	0.000	0.000
048	11/7/2017	10:00:15	0.000	0.000	0.000
049	11/7/2017	10:01:15	0.000	0.000	0.000
050	11/7/2017	10:02:15	0.000	0.000	0.000
051	11/7/2017	10:03:15	0.000	0.000	0.000
052	11/7/2017	10:04:15	0.000	0.000	0.000
053	11/7/2017	10:05:15	0.000	0.000	0.000
054	11/7/2017	10:06:15	0.000	0.000	0.000
055	11/7/2017	10:07:15	0.000	0.000	0.000
056	11/7/2017	10:08:15	0.000	0.000	0.000
057	11/7/2017	10:09:15	0.000	0.000	0.000
058	11/7/2017	10:10:15	0.000	0.000	0.000
059	11/7/2017	10:11:15	0.000	0.000	0.000
060	11/7/2017	10:12:15	0.000	0.000	0.000
061	11/7/2017	10:13:15	0.000	0.000	0.000
062	11/7/2017	10:14:15	0.000	0.000	0.000

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063	11/7/2017	10:15:15	0.000	0.000	0.000
064	11/7/2017	10:16:15	0.000	0.000	0.000
065	11/7/2017	10:17:15	0.000	0.000	0.000
066	11/7/2017	10:18:15	0.000	0.000	0.000
067	11/7/2017	10:19:15	0.000	0.000	0.000
068	11/7/2017	10:20:15	0.000	0.000	0.000
069	11/7/2017	10:21:15	0.000	0.000	0.000
070	11/7/2017	10:22:15	0.000	0.000	0.000
071	11/7/2017	10:23:15	0.000	0.000	0.000
072	11/7/2017	10:24:15	0.000	0.000	0.000
073	11/7/2017	10:25:15	0.000	0.000	0.000
074	11/7/2017	10:26:15	0.000	0.000	0.000
075	11/7/2017	10:27:15	0.000	0.000	0.000
076	11/7/2017	10:28:15	0.000	0.000	0.000
077	11/7/2017	10:29:15	0.000	0.000	0.000
078	11/7/2017	10:30:15	0.000	0.000	0.000
079	11/7/2017	10:31:15	0.000	0.000	0.000
080	11/7/2017	10:32:15	0.000	0.000	0.000
081	11/7/2017	10:33:15	0.000	0.000	0.000
082	11/7/2017	10:34:15	0.000	0.000	0.000
083	11/7/2017	10:35:15	0.000	0.000	0.000
084	11/7/2017	10:36:15	0.000	0.000	0.000
085	11/7/2017	10:37:15	0.000	0.000	0.000
086	11/7/2017	10:38:15	0.000	0.000	0.000
087	11/7/2017	10:39:15	0.000	0.000	0.000
088	11/7/2017	10:40:15	0.000	0.000	0.000
089	11/7/2017	10:41:15	0.000	0.000	0.000
090	11/7/2017	10:42:15	0.000	0.000	0.000
091	11/7/2017	10:43:15	0.000	0.000	0.000
092	11/7/2017	10:44:15	0.000	0.000	0.000
093	11/7/2017	10:45:15	0.000	0.000	0.000
094	11/7/2017	10:46:15	0.000	0.000	0.000
095	11/7/2017	10:47:15	0.000	0.000	0.000
096	11/7/2017	10:48:15	0.000	0.000	0.000
097	11/7/2017	10:49:15	0.000	0.000	0.000
098	11/7/2017	10:50:15	0.000	0.000	0.000
099	11/7/2017	10:51:15	0.000	0.000	0.000
100	11/7/2017	10:52:15	0.000	0.000	0.000
101	11/7/2017	10:53:15	0.000	0.000	0.000
102	11/7/2017	10:54:15	0.000	0.000	0.000
103	11/7/2017	10:55:15	0.000	0.000	0.000
104	11/7/2017	10:56:15	0.000	0.000	0.000
105	11/7/2017	10:57:15	0.000	0.000	0.000
106	11/7/2017	10:58:15	0.000	0.000	0.000
107	11/7/2017	10:59:15	0.000	0.000	0.000
108	11/7/2017	11:00:15	0.000	0.000	0.000
109	11/7/2017	11:01:15	0.000	0.000	0.000
110	11/7/2017	11:02:15	0.000	0.000	0.000

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111	11/7/2017	11:03:15	0.000	0.000	0.000
112	11/7/2017	11:04:15	0.000	0.000	0.000
113	11/7/2017	11:05:15	0.000	0.000	0.000
114	11/7/2017	11:06:15	0.000	0.000	0.000
115	11/7/2017	11:07:15	0.000	0.000	0.000
116	11/7/2017	11:08:15	0.000	0.000	0.000
117	11/7/2017	11:09:15	0.000	0.000	0.000
118	11/7/2017	11:10:15	0.000	0.000	0.000
119	11/7/2017	11:11:15	0.000	0.000	0.000
120	11/7/2017	11:12:15	0.000	0.000	0.000
121	11/7/2017	11:13:15	0.000	0.000	0.000
122	11/7/2017	11:14:15	0.000	0.000	0.000
123	11/7/2017	11:15:15	0.000	0.000	0.000
124	11/7/2017	11:16:15	0.000	0.000	0.000
125	11/7/2017	11:17:15	0.000	0.000	0.000
126	11/7/2017	11:18:15	0.000	0.000	0.000
127	11/7/2017	11:19:15	0.000	0.000	0.000
128	11/7/2017	11:20:15	0.000	0.000	0.000
129	11/7/2017	11:21:15	0.000	0.000	0.000
130	11/7/2017	11:22:15	0.000	0.000	0.000
131	11/7/2017	11:23:15	0.000	0.000	0.000
132	11/7/2017	11:24:15	0.000	0.000	0.000
133	11/7/2017	11:25:15	0.000	0.000	0.000
134	11/7/2017	11:26:15	0.000	0.000	0.000
135	11/7/2017	11:27:15	0.000	0.000	0.000
136	11/7/2017	11:28:15	0.000	0.000	0.000
137	11/7/2017	11:29:15	0.000	0.000	0.000
138	11/7/2017	11:30:15	0.000	0.000	0.000
139	11/7/2017	11:31:15	0.000	0.000	0.000
140	11/7/2017	11:32:15	0.000	0.000	0.000
141	11/7/2017	11:33:15	0.000	0.000	0.000
142	11/7/2017	11:34:15	0.000	0.000	0.000
143	11/7/2017	11:35:15	0.000	0.000	0.000
144	11/7/2017	11:36:15	0.000	0.000	0.000
145	11/7/2017	11:37:15	0.000	0.000	0.000
146	11/7/2017	11:38:15	0.000	0.000	0.000
147	11/7/2017	11:39:15	0.000	0.000	0.000
148	11/7/2017	11:40:15	0.000	0.000	0.000
149	11/7/2017	11:41:15	0.000	0.000	0.000
150	11/7/2017	11:42:15	0.000	0.000	0.000
151	11/7/2017	11:43:15	0.000	0.000	0.000
152	11/7/2017	11:44:15	0.000	0.000	0.000
153	11/7/2017	11:45:15	0.000	0.000	0.000
154	11/7/2017	11:46:15	0.000	0.000	0.000
155	11/7/2017	11:47:15	0.000	0.000	0.000
156	11/7/2017	11:48:15	0.000	0.000	0.000
157	11/7/2017	11:49:15	0.000	0.000	0.000
158	11/7/2017	11:50:15	0.000	0.000	0.000

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159	11/7/2017	11:51:15	0.000	0.000	0.000
160	11/7/2017	11:52:15	0.000	0.000	0.000
161	11/7/2017	11:53:15	0.000	0.000	0.000
162	11/7/2017	11:54:15	0.000	0.000	0.000
163	11/7/2017	11:55:15	0.000	0.000	0.000
164	11/7/2017	11:56:15	0.000	0.000	0.000
165	11/7/2017	11:57:15	0.000	0.000	0.000
166	11/7/2017	11:58:15	0.000	0.000	0.000
167	11/7/2017	11:59:15	0.000	0.000	0.000
168	11/7/2017	12:00:15	0.000	0.000	0.000
169	11/7/2017	12:01:15	0.000	0.000	0.000
170	11/7/2017	12:02:15	0.000	0.000	0.000
171	11/7/2017	12:03:15	0.000	0.000	0.000
172	11/7/2017	12:04:15	0.000	0.000	0.000
173	11/7/2017	12:05:15	0.000	0.000	0.000
174	11/7/2017	12:06:15	0.000	0.000	0.000
175	11/7/2017	12:07:15	0.000	0.000	0.000
176	11/7/2017	12:08:15	0.000	0.000	0.000
177	11/7/2017	12:09:15	0.000	0.000	0.000
178	11/7/2017	12:10:15	0.000	0.000	0.000
179	11/7/2017	12:11:15	0.000	0.000	0.000
180	11/7/2017	12:12:15	0.000	0.000	0.000
181	11/7/2017	12:13:15	0.000	0.000	0.000
182	11/7/2017	12:14:15	0.000	0.000	0.000
183	11/7/2017	12:15:15	0.000	0.000	0.000
184	11/7/2017	12:16:15	0.000	0.000	0.000
185	11/7/2017	12:17:15	0.000	0.000	0.000
186	11/7/2017	12:18:15	0.000	0.000	0.000
187	11/7/2017	12:19:15	0.000	0.000	0.000
188	11/7/2017	12:20:15	0.000	0.000	0.000
189	11/7/2017	12:21:15	0.000	0.000	0.000
190	11/7/2017	12:22:15	0.000	0.000	0.000
191	11/7/2017	12:23:15	0.000	0.000	0.000
192	11/7/2017	12:24:15	0.000	0.000	0.000
193	11/7/2017	12:25:15	0.000	0.000	0.000
194	11/7/2017	12:26:15	0.000	0.000	0.000
195	11/7/2017	12:27:15	0.000	0.000	0.000
196	11/7/2017	12:28:15	0.000	0.000	0.000
197	11/7/2017	12:29:15	0.000	0.000	0.000
198	11/7/2017	12:30:15	0.000	0.000	0.000
199	11/7/2017	12:31:15	0.000	0.000	0.000
200	11/7/2017	12:32:15	0.000	0.000	0.000
201	11/7/2017	12:33:15	0.000	0.000	0.000
202	11/7/2017	12:34:15	0.000	0.000	0.000
203	11/7/2017	12:35:15	0.000	0.000	0.000
204	11/7/2017	12:36:15	0.000	0.000	0.000
205	11/7/2017	12:37:15	0.000	0.000	0.000
206	11/7/2017	12:38:15	0.000	0.000	0.000

			Pine_24759_20180226		
207	11/7/2017	12:39:15	0.000	0.000	0.000
208	11/7/2017	12:40:15	0.000	0.000	0.000
209	11/7/2017	12:41:15	0.000	0.000	0.000
210	11/7/2017	12:42:15	0.000	0.000	0.000
211	11/7/2017	12:43:15	0.000	0.000	0.000
212	11/7/2017	12:44:15	0.000	0.000	0.000
213	11/7/2017	12:45:15	0.000	0.000	0.000
214	11/7/2017	12:46:15	0.000	0.000	0.000
215	11/7/2017	12:47:15	0.000	0.000	0.000
216	11/7/2017	12:48:15	0.000	0.000	0.000
217	11/7/2017	12:49:15	0.000	0.000	0.000
218	11/7/2017	12:50:15	0.000	0.000	0.000
219	11/7/2017	12:51:15	0.000	0.000	0.000
220	11/7/2017	12:52:15	0.000	0.000	0.000
221	11/7/2017	12:53:15	0.000	0.000	0.000
222	11/7/2017	12:54:15	0.000	0.000	0.000
223	11/7/2017	12:55:15	0.000	0.000	0.000
224	11/7/2017	12:56:15	0.000	0.000	0.000
225	11/7/2017	12:57:15	0.000	0.000	0.000
226	11/7/2017	12:58:15	0.000	0.000	0.000
227	11/7/2017	12:59:15	0.000	0.000	0.000
228	11/7/2017	13:00:15	0.000	0.000	0.000
229	11/7/2017	13:01:15	0.000	0.000	0.000
230	11/7/2017	13:02:15	0.000	0.000	0.000
231	11/7/2017	13:03:15	0.000	0.000	0.000
232	11/7/2017	13:04:15	0.000	0.000	0.000
233	11/7/2017	13:05:15	0.000	0.000	0.000
234	11/7/2017	13:06:15	0.000	0.000	0.000
235	11/7/2017	13:07:15	0.000	0.000	0.000
236	11/7/2017	13:08:15	0.000	0.000	0.000
237	11/7/2017	13:09:15	0.000	0.000	0.000
238	11/7/2017	13:10:15	0.000	0.000	0.000
239	11/7/2017	13:11:15	0.000	0.000	0.000
240	11/7/2017	13:12:15	0.000	0.000	0.000
241	11/7/2017	13:13:15	0.000	0.000	0.000
242	11/7/2017	13:14:15	0.000	0.000	0.000
243	11/7/2017	13:15:15	0.000	0.000	0.000
244	11/7/2017	13:16:15	0.000	0.000	0.000
245	11/7/2017	13:17:15	0.000	0.000	0.000
246	11/7/2017	13:18:15	0.000	0.000	0.000
247	11/7/2017	13:19:15	0.000	0.000	0.000
248	11/7/2017	13:20:15	0.000	0.000	0.000
249	11/7/2017	13:21:15	0.000	0.000	0.000
250	11/7/2017	13:22:15	0.000	0.000	0.000
251	11/7/2017	13:23:15	0.000	0.000	0.000
252	11/7/2017	13:24:15	0.000	0.000	0.000
253	11/7/2017	13:25:15	0.000	0.000	0.000
254	11/7/2017	13:26:15	0.000	0.000	0.000

			Pine_24759_20180226		
255	11/7/2017	13:27:15	0.000	0.000	0.000
256	11/7/2017	13:28:15	0.000	0.000	0.000
257	11/7/2017	13:29:15	0.000	0.000	0.000
258	11/7/2017	13:30:15	0.000	0.000	0.000
259	11/7/2017	13:31:15	0.000	0.000	0.000
260	11/7/2017	13:32:15	0.000	0.000	0.000
261	11/7/2017	13:33:15	0.000	0.000	0.000
262	11/7/2017	13:34:15	0.000	0.000	0.000
263	11/7/2017	13:35:15	0.000	0.000	0.000
264	11/7/2017	13:36:15	0.000	0.000	0.000
265	11/7/2017	13:37:15	0.000	0.000	0.000
266	11/7/2017	13:38:15	0.000	0.000	0.000
267	11/7/2017	13:39:15	0.000	0.000	0.000
268	11/7/2017	13:40:15	0.000	0.000	0.000
269	11/7/2017	13:41:15	0.000	0.000	0.000
270	11/7/2017	13:42:15	0.000	0.000	0.000
271	11/7/2017	13:43:15	0.000	0.000	0.000
272	11/7/2017	13:44:15	0.000	0.000	0.000
273	11/7/2017	13:45:15	0.000	0.000	0.000
274	11/7/2017	13:46:15	0.000	0.000	0.000
275	11/7/2017	13:47:15	0.000	0.000	0.000
276	11/7/2017	13:48:15	0.000	0.000	0.000
277	11/7/2017	13:49:15	0.000	0.000	0.000
278	11/7/2017	13:50:15	0.000	0.000	0.000
279	11/7/2017	13:51:15	0.000	0.000	0.000
280	11/7/2017	13:52:15	0.000	0.000	0.000
281	11/7/2017	13:53:15	0.000	0.000	0.000
282	11/7/2017	13:54:15	0.000	0.000	0.000
283	11/7/2017	13:55:15	0.000	0.000	0.000
284	11/7/2017	13:56:15	0.000	0.000	0.000
285	11/7/2017	13:57:15	0.000	0.000	0.000
286	11/7/2017	13:58:15	0.000	0.000	0.000
287	11/7/2017	13:59:15	0.000	0.000	0.000
288	11/7/2017	14:00:15	0.000	0.000	0.000
289	11/7/2017	14:01:15	0.000	0.000	0.000
290	11/7/2017	14:02:15	0.000	0.000	0.000
291	11/7/2017	14:03:15	0.000	0.000	0.000
292	11/7/2017	14:04:15	0.000	0.000	0.000
293	11/7/2017	14:05:15	0.000	0.000	0.000
294	11/7/2017	14:06:15	0.000	0.000	0.000
295	11/7/2017	14:07:15	0.000	0.000	0.000
296	11/7/2017	14:08:15	0.000	0.000	0.000
297	11/7/2017	14:09:15	0.000	0.000	0.000
298	11/7/2017	14:10:15	0.000	0.000	0.000
299	11/7/2017	14:11:15	0.000	0.000	0.000
300	11/7/2017	14:12:15	0.000	0.000	0.007
301	11/7/2017	14:13:15	0.000	0.000	0.000
302	11/7/2017	14:14:15	0.000	0.000	0.000

			Pine_24759_20180226		
303	11/7/2017	14:15:15	0.000	0.000	0.000
304	11/7/2017	14:16:15	0.000	0.000	0.000
305	11/7/2017	14:17:15	0.000	0.000	0.000
306	11/7/2017	14:18:15	0.000	0.000	0.000
307	11/7/2017	14:19:15	0.000	0.000	0.000
308	11/7/2017	14:20:15	0.000	0.000	0.000
309	11/7/2017	14:21:15	0.000	0.000	0.000
310	11/7/2017	14:22:15	0.000	0.000	0.000
311	11/7/2017	14:23:15	0.000	0.000	0.000
312	11/7/2017	14:24:15	0.000	0.000	0.000
313	11/7/2017	14:25:15	0.000	0.000	0.000
314	11/7/2017	14:26:15	0.000	0.000	0.000
315	11/7/2017	14:27:15	0.000	0.000	0.000
316	11/7/2017	14:28:15	0.000	0.000	0.000
317	11/7/2017	14:29:15	0.000	0.000	0.000
318	11/7/2017	14:30:15	0.000	0.000	0.000
319	11/7/2017	14:31:15	0.000	0.000	0.000
320	11/7/2017	14:32:15	0.000	0.000	0.000
321	11/7/2017	14:33:15	0.000	0.000	0.000
322	11/7/2017	14:34:15	0.000	0.000	0.000
323	11/7/2017	14:35:15	0.000	0.000	0.000
324	11/7/2017	14:36:15	0.000	0.000	0.000
325	11/7/2017	14:37:15	0.000	0.000	0.000
326	11/7/2017	14:38:15	0.000	0.000	0.000
327	11/7/2017	14:39:15	0.000	0.000	0.000
328	11/7/2017	14:40:15	0.000	0.000	0.000
329	11/7/2017	14:41:15	0.000	0.000	0.000
330	11/7/2017	14:42:15	0.000	0.000	0.000
331	11/7/2017	14:43:15	0.000	0.000	0.000
332	11/7/2017	14:44:15	0.000	0.000	0.000
333	11/7/2017	14:45:15	0.000	0.000	0.000
334	11/7/2017	14:46:15	0.000	0.000	0.000
335	11/7/2017	14:47:15	0.000	0.000	0.000
336	11/7/2017	14:48:15	0.000	0.000	0.000
337	11/7/2017	14:49:15	0.000	0.000	0.000
338	11/7/2017	14:50:15	0.000	0.000	0.000
339	11/7/2017	14:51:15	0.000	0.000	0.000
340	11/7/2017	14:52:15	0.000	0.000	0.000
341	11/7/2017	14:53:15	0.000	0.000	0.000
342	11/7/2017	14:54:15	0.000	0.000	0.000
343	11/7/2017	14:55:15	0.000	0.000	0.000
344	11/7/2017	14:56:15	0.000	0.000	0.000
345	11/7/2017	14:57:15	0.000	0.000	0.000
346	11/7/2017	14:58:15	0.000	0.000	0.000
347	11/7/2017	14:59:15	0.000	0.000	0.000
348	11/7/2017	15:00:15	0.000	0.000	0.000
349	11/7/2017	15:01:15	0.000	0.000	0.000
350	11/7/2017	15:02:15	0.000	0.000	0.000

			Pine_24759_20180226		
351	11/7/2017	15:03:15	0.000	0.000	0.000
352	11/7/2017	15:04:15	0.000	0.000	0.000
353	11/7/2017	15:05:15	0.000	0.000	0.000
354	11/7/2017	15:06:15	0.000	0.000	0.000
355	11/7/2017	15:07:15	0.000	0.000	0.000
356	11/7/2017	15:08:15	0.000	0.000	0.000
357	11/7/2017	15:09:15	0.000	0.000	0.000
358	11/7/2017	15:10:15	0.000	0.000	0.000
359	11/7/2017	15:11:15	0.000	0.000	0.000
360	11/7/2017	15:12:15	0.000	0.000	0.000
361	11/7/2017	15:13:15	0.000	0.000	0.000
362	11/7/2017	15:14:15	0.000	0.000	0.000
363	11/7/2017	15:15:15	0.000	0.000	0.000
364	11/7/2017	15:16:15	0.000	0.000	0.000
365	11/7/2017	15:17:15	0.000	0.000	0.000
366	11/7/2017	15:18:15	0.000	0.000	0.000
367	11/7/2017	15:19:15	0.000	0.000	0.000
368	11/7/2017	15:20:15	0.000	0.000	0.000
369	11/7/2017	15:21:15	0.000	0.000	0.000
370	11/7/2017	15:22:15	0.000	0.000	0.000
371	11/7/2017	15:23:15	0.000	0.000	0.000
372	11/7/2017	15:24:15	0.000	0.000	0.000
373	11/7/2017	15:25:15	0.000	0.000	0.000
374	11/7/2017	15:26:15	0.000	0.000	0.000
375	11/7/2017	15:27:15	0.000	0.000	0.000
376	11/7/2017	15:28:15	0.000	0.000	0.000
377	11/7/2017	15:29:15	0.000	0.000	0.000
378	11/7/2017	15:30:15	0.000	0.000	0.000
379	11/7/2017	15:31:15	0.000	0.000	0.000
380	11/7/2017	15:32:15	0.000	0.000	0.000
381	11/7/2017	15:33:15	0.000	0.000	0.000
382	11/7/2017	15:34:15	0.000	0.000	0.000
383	11/7/2017	15:35:15	0.000	0.000	0.000
384	11/7/2017	15:36:15	0.000	0.000	0.000
385	11/7/2017	15:37:15	0.000	0.000	0.000
386	11/7/2017	15:38:15	0.000	0.000	0.000
387	11/7/2017	15:39:15	0.000	0.000	0.000
388	11/7/2017	15:40:15	0.000	0.000	0.000
389	11/7/2017	15:41:15	0.000	0.000	0.000
390	11/7/2017	15:42:15	0.000	0.000	0.000
391	11/7/2017	15:43:15	0.000	0.000	0.000
392	11/7/2017	15:44:15	0.000	0.000	0.000
393	11/7/2017	15:45:15	0.000	0.000	0.000
394	11/7/2017	15:46:15	0.000	0.000	0.000
395	11/7/2017	15:47:15	0.000	0.000	0.000
396	11/7/2017	15:48:15	0.000	0.000	0.000
397	11/7/2017	15:49:15	0.000	0.000	0.000
398	11/7/2017	15:50:15	0.000	0.000	0.000

			Pine_24759_20180226		
399	11/7/2017	15:51:15	0.000	0.000	0.000
400	11/7/2017	15:52:15	0.000	0.000	0.000
401	11/7/2017	15:53:15	0.000	0.000	0.000
402	11/7/2017	15:54:15	0.000	0.000	0.000
403	11/7/2017	15:55:15	0.000	0.000	0.000
404	11/7/2017	15:56:15	0.000	0.000	0.000
405	11/7/2017	15:57:15	0.000	0.000	0.000
406	11/7/2017	15:58:15	0.000	0.000	0.000
407	11/7/2017	15:59:15	0.000	0.000	0.000
408	11/7/2017	16:00:15	0.000	0.000	0.000
409	11/7/2017	16:01:15	0.000	0.000	0.000
410	11/7/2017	16:02:15	0.000	0.000	0.000
411	11/7/2017	16:03:15	0.000	0.000	0.000
412	11/7/2017	16:04:15	0.000	0.000	0.000
413	11/7/2017	16:05:15	0.000	0.000	0.000
Peak		0.000	0.000	0.007	
Min		0.000	0.000	0.000	
Average		0.000	0.000	0.000	

=====

17/11/09 08:54

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID 00000001

Begin 11/9/2017 08:54:07

End 11/9/2017 16:46:43

Sample Period(s) 60

Number of Records 472

Sensor VOC(ppm)

Span 100.000

Span 2 N/A

Low Alarm 50.000

High Alarm 100.000

Pine_24759_20180226

Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	11/9/2017 08:55:07	0.000	0.000	0.000	0.000
002	11/9/2017 08:56:07	0.000	0.000	0.000	0.000
003	11/9/2017 08:57:07	0.000	0.000	0.000	0.000
004	11/9/2017 08:58:07	0.000	0.000	0.000	0.000
005	11/9/2017 08:59:07	0.000	0.000	0.000	0.000
006	11/9/2017 09:00:07	0.000	0.000	0.000	0.000
007	11/9/2017 09:01:07	0.000	0.000	0.000	0.000
008	11/9/2017 09:02:07	0.000	0.000	0.000	0.000
009	11/9/2017 09:03:07	0.000	0.000	0.000	0.000
010	11/9/2017 09:04:07	0.000	0.000	0.000	0.000
011	11/9/2017 09:05:07	0.000	0.000	0.000	0.000
012	11/9/2017 09:06:07	0.000	0.000	0.000	0.000
013	11/9/2017 09:07:07	0.000	0.000	0.000	0.000
014	11/9/2017 09:08:07	0.000	0.000	0.000	0.000
015	11/9/2017 09:09:07	0.000	0.000	0.000	0.000
016	11/9/2017 09:10:07	0.000	0.000	0.000	0.000
017	11/9/2017 09:11:07	0.000	0.000	0.000	0.000
018	11/9/2017 09:12:07	0.000	0.000	0.000	0.000
019	11/9/2017 09:13:07	0.000	0.000	0.000	0.000
020	11/9/2017 09:14:07	0.000	0.000	0.000	0.000
021	11/9/2017 09:15:07	0.000	0.000	0.000	0.000
022	11/9/2017 09:16:07	0.000	0.000	0.000	0.000
023	11/9/2017 09:17:07	0.000	0.000	0.000	0.000
024	11/9/2017 09:18:07	0.000	0.000	0.000	0.000
025	11/9/2017 09:19:07	0.000	0.000	0.000	0.000
026	11/9/2017 09:20:07	0.000	0.000	0.000	0.000
027	11/9/2017 09:21:07	0.000	0.000	0.000	0.000
028	11/9/2017 09:22:07	0.000	0.000	0.000	0.000
029	11/9/2017 09:23:07	0.000	0.000	0.000	0.000
030	11/9/2017 09:24:07	0.000	0.000	0.000	0.000
031	11/9/2017 09:25:07	0.000	0.000	0.000	0.000
032	11/9/2017 09:26:07	0.000	0.000	0.000	0.000
033	11/9/2017 09:27:07	0.000	0.000	0.000	0.000
034	11/9/2017 09:28:07	0.000	0.000	0.000	0.000
035	11/9/2017 09:29:07	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
036	11/9/2017	09:30:07	0.000	0.000	0.000
037	11/9/2017	09:31:07	0.000	0.002	0.039
038	11/9/2017	09:32:07	0.000	0.000	0.000
039	11/9/2017	09:33:07	0.000	0.000	0.012
040	11/9/2017	09:34:07	0.000	0.003	0.061
041	11/9/2017	09:35:07	0.000	0.132	1.102
042	11/9/2017	09:36:07	0.000	0.000	0.000
043	11/9/2017	09:37:07	0.000	0.030	0.341
044	11/9/2017	09:38:07	0.000	0.000	0.000
045	11/9/2017	09:39:07	0.000	0.011	0.156
046	11/9/2017	09:40:07	0.000	0.007	0.107
047	11/9/2017	09:41:07	0.000	0.000	0.000
048	11/9/2017	09:42:07	0.000	0.000	0.000
049	11/9/2017	09:43:07	0.000	0.000	0.000
050	11/9/2017	09:44:07	0.000	0.000	0.000
051	11/9/2017	09:45:07	0.000	0.000	0.000
052	11/9/2017	09:46:07	0.000	0.000	0.000
053	11/9/2017	09:47:07	0.000	0.000	0.000
054	11/9/2017	09:48:07	0.000	0.000	0.000
055	11/9/2017	09:49:07	0.000	0.000	0.000
056	11/9/2017	09:50:07	0.000	0.000	0.000
057	11/9/2017	09:51:07	0.000	0.000	0.000
058	11/9/2017	09:52:07	0.000	0.052	0.528
059	11/9/2017	09:53:07	0.000	0.000	0.000
060	11/9/2017	09:54:07	0.000	0.000	0.000
061	11/9/2017	09:55:07	0.000	0.000	0.000
062	11/9/2017	09:56:07	0.000	0.000	0.000
063	11/9/2017	09:57:07	0.000	0.000	0.000
064	11/9/2017	09:58:07	0.000	0.000	0.000
065	11/9/2017	09:59:07	0.000	0.000	0.000
066	11/9/2017	10:00:07	0.000	0.000	0.000
067	11/9/2017	10:01:07	0.000	0.000	0.000
068	11/9/2017	10:02:07	0.000	0.000	0.000
069	11/9/2017	10:03:07	0.000	0.000	0.000
070	11/9/2017	10:04:07	0.000	0.000	0.000
071	11/9/2017	10:05:07	0.000	0.000	0.000
072	11/9/2017	10:06:07	0.000	0.000	0.000
073	11/9/2017	10:07:07	0.000	0.000	0.000
074	11/9/2017	10:08:07	0.000	0.000	0.000
075	11/9/2017	10:09:07	0.000	0.000	0.000
076	11/9/2017	10:10:07	0.000	0.000	0.000
077	11/9/2017	10:11:07	0.000	0.000	0.000
078	11/9/2017	10:12:07	0.000	0.000	0.000
079	11/9/2017	10:13:07	0.000	0.000	0.000
080	11/9/2017	10:14:07	0.000	0.000	0.000
081	11/9/2017	10:15:07	0.000	0.000	0.000
082	11/9/2017	10:16:07	0.000	0.000	0.000
083	11/9/2017	10:17:07	0.000	0.000	0.000

			Pine_24759_20180226		
084	11/9/2017	10:18:07	0.000	0.000	0.000
085	11/9/2017	10:19:07	0.000	0.000	0.000
086	11/9/2017	10:20:07	0.000	0.000	0.000
087	11/9/2017	10:21:07	0.000	0.000	0.000
088	11/9/2017	10:22:07	0.000	0.000	0.000
089	11/9/2017	10:23:07	0.000	0.000	0.000
090	11/9/2017	10:24:07	0.000	0.000	0.000
091	11/9/2017	10:25:07	0.000	0.000	0.000
092	11/9/2017	10:26:07	0.000	0.000	0.000
093	11/9/2017	10:27:07	0.000	0.000	0.000
094	11/9/2017	10:28:07	0.000	0.000	0.000
095	11/9/2017	10:29:07	0.000	0.000	0.000
096	11/9/2017	10:30:07	0.000	0.000	0.000
097	11/9/2017	10:31:07	0.000	0.000	0.000
098	11/9/2017	10:32:07	0.000	0.000	0.000
099	11/9/2017	10:33:07	0.000	0.000	0.000
100	11/9/2017	10:34:07	0.000	0.000	0.000
101	11/9/2017	10:35:07	0.000	0.000	0.000
102	11/9/2017	10:36:07	0.000	0.000	0.000
103	11/9/2017	10:37:07	0.000	0.000	0.000
104	11/9/2017	10:38:07	0.000	0.000	0.000
105	11/9/2017	10:39:07	0.000	0.000	0.000
106	11/9/2017	10:40:07	0.000	0.000	0.000
107	11/9/2017	10:41:07	0.000	0.000	0.000
108	11/9/2017	10:42:07	0.000	0.000	0.000
109	11/9/2017	10:43:07	0.000	0.000	0.000
110	11/9/2017	10:44:07	0.000	0.000	0.000
111	11/9/2017	10:45:07	0.000	0.000	0.000
112	11/9/2017	10:46:07	0.000	0.000	0.000
113	11/9/2017	10:47:07	0.000	0.000	0.000
114	11/9/2017	10:48:07	0.000	0.000	0.000
115	11/9/2017	10:49:07	0.000	0.000	0.000
116	11/9/2017	10:50:07	0.000	0.000	0.000
117	11/9/2017	10:51:07	0.000	0.000	0.000
118	11/9/2017	10:52:07	0.000	0.000	0.000
119	11/9/2017	10:53:07	0.000	0.000	0.000
120	11/9/2017	10:54:07	0.000	0.000	0.000
121	11/9/2017	10:55:07	0.000	0.000	0.000
122	11/9/2017	10:56:07	0.000	0.000	0.000
123	11/9/2017	10:57:07	0.000	0.000	0.000
124	11/9/2017	10:58:07	0.000	0.000	0.000
125	11/9/2017	10:59:07	0.000	0.000	0.000
126	11/9/2017	11:00:07	0.000	0.000	0.000
127	11/9/2017	11:01:07	0.000	0.000	0.000
128	11/9/2017	11:02:07	0.000	0.000	0.000
129	11/9/2017	11:03:07	0.000	0.000	0.000
130	11/9/2017	11:04:07	0.000	0.000	0.000
131	11/9/2017	11:05:07	0.000	0.000	0.000

			Pine_24759_20180226		
132	11/9/2017	11:06:07	0.000	0.000	0.000
133	11/9/2017	11:07:07	0.000	0.000	0.000
134	11/9/2017	11:08:07	0.000	0.000	0.000
135	11/9/2017	11:09:07	0.000	0.000	0.000
136	11/9/2017	11:10:07	0.000	0.000	0.000
137	11/9/2017	11:11:07	0.000	0.000	0.000
138	11/9/2017	11:12:07	0.000	0.000	0.000
139	11/9/2017	11:13:07	0.000	0.000	0.000
140	11/9/2017	11:14:07	0.000	0.000	0.000
141	11/9/2017	11:15:07	0.000	0.000	0.000
142	11/9/2017	11:16:07	0.000	0.000	0.000
143	11/9/2017	11:17:07	0.000	0.000	0.000
144	11/9/2017	11:18:07	0.000	0.000	0.000
145	11/9/2017	11:19:07	0.000	0.000	0.000
146	11/9/2017	11:20:07	0.000	0.000	0.000
147	11/9/2017	11:21:07	0.000	0.000	0.000
148	11/9/2017	11:22:07	0.000	0.000	0.000
149	11/9/2017	11:23:07	0.000	0.000	0.000
150	11/9/2017	11:24:07	0.000	0.000	0.000
151	11/9/2017	11:25:07	0.000	0.000	0.000
152	11/9/2017	11:26:07	0.000	0.000	0.000
153	11/9/2017	11:27:07	0.000	0.000	0.000
154	11/9/2017	11:28:07	0.000	0.000	0.000
155	11/9/2017	11:29:07	0.000	0.000	0.000
156	11/9/2017	11:30:07	0.000	0.000	0.000
157	11/9/2017	11:31:07	0.000	0.000	0.000
158	11/9/2017	11:32:07	0.000	0.000	0.000
159	11/9/2017	11:33:07	0.000	0.000	0.000
160	11/9/2017	11:34:07	0.000	0.000	0.000
161	11/9/2017	11:35:07	0.000	0.000	0.000
162	11/9/2017	11:36:07	0.000	0.000	0.000
163	11/9/2017	11:37:07	0.000	0.000	0.000
164	11/9/2017	11:38:07	0.000	0.000	0.000
165	11/9/2017	11:39:07	0.000	0.000	0.000
166	11/9/2017	11:40:07	0.000	0.000	0.000
167	11/9/2017	11:41:07	0.000	0.000	0.000
168	11/9/2017	11:42:07	0.000	0.000	0.000
169	11/9/2017	11:43:07	0.000	0.000	0.000
170	11/9/2017	11:44:07	0.000	0.000	0.000
171	11/9/2017	11:45:07	0.000	0.000	0.000
172	11/9/2017	11:46:07	0.000	0.000	0.000
173	11/9/2017	11:47:07	0.000	0.000	0.000
174	11/9/2017	11:48:07	0.000	0.000	0.000
175	11/9/2017	11:49:07	0.000	0.000	0.000
176	11/9/2017	11:50:07	0.000	0.000	0.000
177	11/9/2017	11:51:07	0.000	0.000	0.000
178	11/9/2017	11:52:07	0.000	0.000	0.000
179	11/9/2017	11:53:07	0.000	0.000	0.000

			Pine_24759_20180226		
180	11/9/2017	11:54:07	0.000	0.000	0.000
181	11/9/2017	11:55:07	0.000	0.000	0.000
182	11/9/2017	11:56:07	0.000	0.000	0.000
183	11/9/2017	11:57:07	0.000	0.000	0.000
184	11/9/2017	11:58:07	0.000	0.000	0.000
185	11/9/2017	11:59:07	0.000	0.000	0.000
186	11/9/2017	12:00:07	0.000	0.000	0.000
187	11/9/2017	12:01:07	0.000	0.000	0.000
188	11/9/2017	12:02:07	0.000	0.000	0.000
189	11/9/2017	12:03:07	0.000	0.000	0.000
190	11/9/2017	12:04:07	0.000	0.000	0.000
191	11/9/2017	12:05:07	0.000	0.000	0.000
192	11/9/2017	12:06:07	0.000	0.000	0.000
193	11/9/2017	12:07:07	0.000	0.000	0.000
194	11/9/2017	12:08:07	0.000	0.000	0.000
195	11/9/2017	12:09:07	0.000	0.000	0.000
196	11/9/2017	12:10:07	0.000	0.000	0.000
197	11/9/2017	12:11:07	0.000	0.000	0.000
198	11/9/2017	12:12:07	0.000	0.000	0.000
199	11/9/2017	12:13:07	0.000	0.000	0.000
200	11/9/2017	12:14:07	0.000	0.000	0.000
201	11/9/2017	12:15:07	0.000	0.000	0.000
202	11/9/2017	12:16:07	0.000	0.000	0.000
203	11/9/2017	12:17:07	0.000	0.000	0.000
204	11/9/2017	12:18:07	0.000	0.000	0.000
205	11/9/2017	12:19:07	0.000	0.000	0.000
206	11/9/2017	12:20:07	0.000	0.000	0.000
207	11/9/2017	12:21:07	0.000	0.000	0.000
208	11/9/2017	12:22:07	0.000	0.000	0.000
209	11/9/2017	12:23:07	0.000	0.000	0.000
210	11/9/2017	12:24:07	0.000	0.000	0.000
211	11/9/2017	12:25:07	0.000	0.000	0.000
212	11/9/2017	12:26:07	0.000	0.000	0.000
213	11/9/2017	12:27:07	0.000	0.000	0.000
214	11/9/2017	12:28:07	0.000	0.000	0.000
215	11/9/2017	12:29:07	0.000	0.000	0.000
216	11/9/2017	12:30:07	0.000	0.000	0.000
217	11/9/2017	12:31:07	0.000	0.000	0.000
218	11/9/2017	12:32:07	0.000	0.000	0.000
219	11/9/2017	12:33:07	0.000	0.000	0.000
220	11/9/2017	12:34:07	0.000	0.000	0.000
221	11/9/2017	12:35:07	0.000	0.000	0.000
222	11/9/2017	12:36:07	0.000	0.000	0.000
223	11/9/2017	12:37:07	0.000	0.000	0.000
224	11/9/2017	12:38:07	0.000	0.000	0.000
225	11/9/2017	12:39:07	0.000	0.000	0.000
226	11/9/2017	12:40:07	0.000	0.000	0.000
227	11/9/2017	12:41:07	0.000	0.000	0.000

			Pine_24759_20180226		
228	11/9/2017	12:42:07	0.000	0.000	0.000
229	11/9/2017	12:43:07	0.000	0.000	0.000
230	11/9/2017	12:44:07	0.000	0.000	0.000
231	11/9/2017	12:45:07	0.000	0.000	0.000
232	11/9/2017	12:46:07	0.000	0.000	0.000
233	11/9/2017	12:47:07	0.000	0.000	0.000
234	11/9/2017	12:48:07	0.000	0.000	0.000
235	11/9/2017	12:49:07	0.000	0.000	0.000
236	11/9/2017	12:50:07	0.000	0.000	0.000
237	11/9/2017	12:51:07	0.000	0.000	0.000
238	11/9/2017	12:52:07	0.000	0.000	0.000
239	11/9/2017	12:53:07	0.000	0.000	0.000
240	11/9/2017	12:54:07	0.000	0.000	0.000
241	11/9/2017	12:55:07	0.000	0.000	0.000
242	11/9/2017	12:56:07	0.000	0.000	0.000
243	11/9/2017	12:57:07	0.000	0.000	0.000
244	11/9/2017	12:58:07	0.000	0.000	0.000
245	11/9/2017	12:59:07	0.000	0.000	0.000
246	11/9/2017	13:00:07	0.000	0.000	0.000
247	11/9/2017	13:01:07	0.000	0.000	0.000
248	11/9/2017	13:02:07	0.000	0.000	0.000
249	11/9/2017	13:03:07	0.000	0.000	0.000
250	11/9/2017	13:04:07	0.000	0.000	0.000
251	11/9/2017	13:05:07	0.000	0.000	0.000
252	11/9/2017	13:06:07	0.000	0.000	0.000
253	11/9/2017	13:07:07	0.000	0.000	0.000
254	11/9/2017	13:08:07	0.000	0.000	0.000
255	11/9/2017	13:09:07	0.000	0.000	0.000
256	11/9/2017	13:10:07	0.000	0.000	0.000
257	11/9/2017	13:11:07	0.000	0.000	0.000
258	11/9/2017	13:12:07	0.000	0.000	0.000
259	11/9/2017	13:13:07	0.000	0.000	0.000
260	11/9/2017	13:14:07	0.000	0.000	0.000
261	11/9/2017	13:15:07	0.000	0.000	0.000
262	11/9/2017	13:16:07	0.000	0.000	0.000
263	11/9/2017	13:17:07	0.000	0.000	0.000
264	11/9/2017	13:18:07	0.000	0.000	0.000
265	11/9/2017	13:19:07	0.000	0.000	0.000
266	11/9/2017	13:20:07	0.000	0.000	0.000
267	11/9/2017	13:21:07	0.000	0.000	0.000
268	11/9/2017	13:22:07	0.000	0.000	0.000
269	11/9/2017	13:23:07	0.000	0.000	0.000
270	11/9/2017	13:24:07	0.000	0.000	0.000
271	11/9/2017	13:25:07	0.000	0.000	0.000
272	11/9/2017	13:26:07	0.000	0.000	0.000
273	11/9/2017	13:27:07	0.000	0.000	0.000
274	11/9/2017	13:28:07	0.000	0.000	0.000
275	11/9/2017	13:29:07	0.000	0.000	0.000

			Pine_24759_20180226		
276	11/9/2017	13:30:07	0.000	0.002	0.038
277	11/9/2017	13:31:07	0.000	0.000	0.000
278	11/9/2017	13:32:07	0.000	0.000	0.000
279	11/9/2017	13:33:07	0.000	0.000	0.000
280	11/9/2017	13:34:07	0.000	0.000	0.000
281	11/9/2017	13:35:07	0.000	0.000	0.000
282	11/9/2017	13:36:07	0.000	0.000	0.000
283	11/9/2017	13:37:07	0.000	0.000	0.000
284	11/9/2017	13:38:07	0.000	0.000	0.000
285	11/9/2017	13:39:07	0.000	0.000	0.000
286	11/9/2017	13:40:07	0.000	0.000	0.000
287	11/9/2017	13:41:07	0.000	0.000	0.000
288	11/9/2017	13:42:07	0.000	0.000	0.000
289	11/9/2017	13:43:07	0.000	0.000	0.000
290	11/9/2017	13:44:07	0.000	0.000	0.000
291	11/9/2017	13:45:07	0.000	0.000	0.000
292	11/9/2017	13:46:07	0.000	0.000	0.000
293	11/9/2017	13:47:07	0.000	0.000	0.000
294	11/9/2017	13:48:07	0.000	0.000	0.000
295	11/9/2017	13:49:07	0.000	0.000	0.000
296	11/9/2017	13:50:07	0.000	0.000	0.000
297	11/9/2017	13:51:07	0.000	0.000	0.000
298	11/9/2017	13:52:07	0.000	0.000	0.000
299	11/9/2017	13:53:07	0.000	0.000	0.000
300	11/9/2017	13:54:07	0.000	0.000	0.000
301	11/9/2017	13:55:07	0.000	0.000	0.000
302	11/9/2017	13:56:07	0.000	0.000	0.000
303	11/9/2017	13:57:07	0.000	0.000	0.000
304	11/9/2017	13:58:07	0.000	0.000	0.000
305	11/9/2017	13:59:07	0.000	0.000	0.000
306	11/9/2017	14:00:07	0.000	0.000	0.000
307	11/9/2017	14:01:07	0.000	0.000	0.000
308	11/9/2017	14:02:07	0.000	0.000	0.000
309	11/9/2017	14:03:07	0.000	0.000	0.000
310	11/9/2017	14:04:07	0.000	0.000	0.000
311	11/9/2017	14:05:07	0.000	0.000	0.000
312	11/9/2017	14:06:07	0.000	0.000	0.000
313	11/9/2017	14:07:07	0.000	0.000	0.000
314	11/9/2017	14:08:07	0.000	0.000	0.000
315	11/9/2017	14:09:07	0.000	0.000	0.000
316	11/9/2017	14:10:07	0.000	0.000	0.000
317	11/9/2017	14:11:07	0.000	0.000	0.000
318	11/9/2017	14:12:07	0.000	0.000	0.000
319	11/9/2017	14:13:07	0.000	0.000	0.000
320	11/9/2017	14:14:07	0.000	0.000	0.000
321	11/9/2017	14:15:07	0.000	0.000	0.000
322	11/9/2017	14:16:07	0.000	0.000	0.000
323	11/9/2017	14:17:07	0.000	0.000	0.000

			Pine_24759_20180226		
324	11/9/2017	14:18:07	0.000	0.000	0.000
325	11/9/2017	14:19:07	0.000	0.000	0.000
326	11/9/2017	14:20:07	0.000	0.000	0.000
327	11/9/2017	14:21:07	0.000	0.000	0.000
328	11/9/2017	14:22:07	0.000	0.000	0.000
329	11/9/2017	14:23:07	0.000	0.000	0.000
330	11/9/2017	14:24:07	0.000	0.000	0.000
331	11/9/2017	14:25:07	0.000	0.000	0.000
332	11/9/2017	14:26:07	0.000	0.000	0.000
333	11/9/2017	14:27:07	0.000	0.000	0.000
334	11/9/2017	14:28:07	0.000	0.000	0.000
335	11/9/2017	14:29:07	0.000	0.000	0.000
336	11/9/2017	14:30:07	0.000	0.000	0.000
337	11/9/2017	14:31:07	0.000	0.000	0.000
338	11/9/2017	14:32:07	0.000	0.000	0.000
339	11/9/2017	14:33:07	0.000	0.000	0.000
340	11/9/2017	14:34:07	0.000	0.000	0.000
341	11/9/2017	14:35:07	0.000	0.000	0.000
342	11/9/2017	14:36:07	0.000	0.000	0.000
343	11/9/2017	14:37:07	0.000	0.000	0.000
344	11/9/2017	14:38:07	0.000	0.000	0.000
345	11/9/2017	14:39:07	0.000	0.000	0.000
346	11/9/2017	14:40:07	0.000	0.000	0.000
347	11/9/2017	14:41:07	0.000	0.000	0.000
348	11/9/2017	14:42:07	0.000	0.000	0.000
349	11/9/2017	14:43:07	0.000	0.000	0.000
350	11/9/2017	14:44:07	0.000	0.000	0.000
351	11/9/2017	14:45:07	0.000	0.000	0.000
352	11/9/2017	14:46:07	0.000	0.000	0.000
353	11/9/2017	14:47:07	0.000	0.000	0.000
354	11/9/2017	14:48:07	0.000	0.000	0.000
355	11/9/2017	14:49:07	0.000	0.000	0.000
356	11/9/2017	14:50:07	0.000	0.000	0.000
357	11/9/2017	14:51:07	0.000	0.000	0.000
358	11/9/2017	14:52:07	0.000	0.000	0.000
359	11/9/2017	14:53:07	0.000	0.000	0.000
360	11/9/2017	14:54:07	0.000	0.000	0.000
361	11/9/2017	14:55:07	0.000	0.000	0.000
362	11/9/2017	14:56:07	0.000	0.000	0.000
363	11/9/2017	14:57:07	0.000	0.000	0.000
364	11/9/2017	14:58:07	0.000	0.000	0.000
365	11/9/2017	14:59:07	0.000	0.000	0.000
366	11/9/2017	15:00:07	0.000	0.000	0.000
367	11/9/2017	15:01:07	0.000	0.000	0.000
368	11/9/2017	15:02:07	0.000	0.000	0.000
369	11/9/2017	15:03:07	0.000	0.000	0.000
370	11/9/2017	15:04:07	0.000	0.000	0.000
371	11/9/2017	15:05:07	0.000	0.000	0.000

			Pine_24759_20180226		
372	11/9/2017	15:06:07	0.000	0.000	0.000
373	11/9/2017	15:07:07	0.000	0.000	0.000
374	11/9/2017	15:08:07	0.000	0.000	0.000
375	11/9/2017	15:09:07	0.000	0.000	0.000
376	11/9/2017	15:10:07	0.000	0.000	0.000
377	11/9/2017	15:11:07	0.000	0.000	0.000
378	11/9/2017	15:12:07	0.000	0.000	0.000
379	11/9/2017	15:13:07	0.000	0.000	0.000
380	11/9/2017	15:14:07	0.000	0.000	0.000
381	11/9/2017	15:15:07	0.000	0.000	0.000
382	11/9/2017	15:16:07	0.000	0.000	0.000
383	11/9/2017	15:17:07	0.000	0.000	0.000
384	11/9/2017	15:18:07	0.000	0.000	0.000
385	11/9/2017	15:19:07	0.000	0.000	0.000
386	11/9/2017	15:20:07	0.000	0.000	0.000
387	11/9/2017	15:21:07	0.000	0.000	0.000
388	11/9/2017	15:22:07	0.000	0.000	0.000
389	11/9/2017	15:23:07	0.000	0.000	0.000
390	11/9/2017	15:24:07	0.000	0.000	0.000
391	11/9/2017	15:25:07	0.000	0.000	0.000
392	11/9/2017	15:26:07	0.000	0.000	0.000
393	11/9/2017	15:27:07	0.000	0.000	0.000
394	11/9/2017	15:28:07	0.000	0.000	0.000
395	11/9/2017	15:29:07	0.000	0.000	0.000
396	11/9/2017	15:30:07	0.000	0.000	0.000
397	11/9/2017	15:31:07	0.000	0.000	0.000
398	11/9/2017	15:32:07	0.000	0.000	0.000
399	11/9/2017	15:33:07	0.000	0.000	0.000
400	11/9/2017	15:34:07	0.000	0.000	0.000
401	11/9/2017	15:35:07	0.000	0.000	0.000
402	11/9/2017	15:36:07	0.000	0.000	0.000
403	11/9/2017	15:37:07	0.000	0.000	0.000
404	11/9/2017	15:38:07	0.000	0.000	0.000
405	11/9/2017	15:39:07	0.000	0.000	0.000
406	11/9/2017	15:40:07	0.000	0.000	0.000
407	11/9/2017	15:41:07	0.000	0.000	0.000
408	11/9/2017	15:42:07	0.000	0.000	0.000
409	11/9/2017	15:43:07	0.000	0.000	0.000
410	11/9/2017	15:44:07	0.000	0.000	0.000
411	11/9/2017	15:45:07	0.000	0.000	0.000
412	11/9/2017	15:46:07	0.000	0.000	0.000
413	11/9/2017	15:47:07	0.000	0.000	0.000
414	11/9/2017	15:48:07	0.000	0.000	0.000
415	11/9/2017	15:49:07	0.000	0.000	0.000
416	11/9/2017	15:50:07	0.000	0.000	0.000
417	11/9/2017	15:51:07	0.000	0.000	0.000
418	11/9/2017	15:52:07	0.000	0.000	0.000
419	11/9/2017	15:53:07	0.000	0.000	0.000

			Pine_24759_20180226		
420	11/9/2017	15:54:07	0.000	0.000	0.000
421	11/9/2017	15:55:07	0.000	0.000	0.000
422	11/9/2017	15:56:07	0.000	0.000	0.000
423	11/9/2017	15:57:07	0.000	0.000	0.000
424	11/9/2017	15:58:07	0.000	0.000	0.000
425	11/9/2017	15:59:07	0.000	0.000	0.000
426	11/9/2017	16:00:07	0.000	0.000	0.000
427	11/9/2017	16:01:07	0.000	0.000	0.000
428	11/9/2017	16:02:07	0.000	0.000	0.000
429	11/9/2017	16:03:07	0.000	0.000	0.000
430	11/9/2017	16:04:07	0.000	0.000	0.000
431	11/9/2017	16:05:07	0.000	0.000	0.000
432	11/9/2017	16:06:07	0.000	0.000	0.000
433	11/9/2017	16:07:07	0.000	0.000	0.000
434	11/9/2017	16:08:07	0.000	0.000	0.000
435	11/9/2017	16:09:07	0.000	0.000	0.000
436	11/9/2017	16:10:07	0.000	0.000	0.000
437	11/9/2017	16:11:07	0.000	0.000	0.000
438	11/9/2017	16:12:07	0.000	0.000	0.000
439	11/9/2017	16:13:07	0.000	0.000	0.000
440	11/9/2017	16:14:07	0.000	0.000	0.000
441	11/9/2017	16:15:07	0.000	0.000	0.000
442	11/9/2017	16:16:07	0.000	0.000	0.000
443	11/9/2017	16:17:07	0.000	0.000	0.000
444	11/9/2017	16:18:07	0.000	0.000	0.000
445	11/9/2017	16:19:07	0.000	0.000	0.000
446	11/9/2017	16:20:07	0.000	0.000	0.000
447	11/9/2017	16:21:07	0.000	0.000	0.000
448	11/9/2017	16:22:07	0.000	0.000	0.000
449	11/9/2017	16:23:07	0.000	0.000	0.000
450	11/9/2017	16:24:07	0.000	0.000	0.000
451	11/9/2017	16:25:07	0.000	0.000	0.000
452	11/9/2017	16:26:07	0.000	0.000	0.000
453	11/9/2017	16:27:07	0.000	0.000	0.000
454	11/9/2017	16:28:07	0.000	0.000	0.000
455	11/9/2017	16:29:07	0.000	0.000	0.000
456	11/9/2017	16:30:07	0.000	0.000	0.000
457	11/9/2017	16:31:07	0.000	0.000	0.000
458	11/9/2017	16:32:07	0.000	0.000	0.000
459	11/9/2017	16:33:07	0.000	0.000	0.000
460	11/9/2017	16:34:07	0.000	0.000	0.000
461	11/9/2017	16:35:07	0.000	0.000	0.000
462	11/9/2017	16:36:07	0.000	0.000	0.000
463	11/9/2017	16:37:07	0.000	0.000	0.000
464	11/9/2017	16:38:07	0.000	0.000	0.000
465	11/9/2017	16:39:07	0.000	0.000	0.000
466	11/9/2017	16:40:07	0.000	0.000	0.000
467	11/9/2017	16:41:07	0.000	0.000	0.000

			Pine_24759_20180226		
468	11/9/2017	16:42:07	0.000	0.000	0.000
469	11/9/2017	16:43:07	0.000	0.000	0.000
470	11/9/2017	16:44:07	0.000	0.000	0.000
471	11/9/2017	16:45:07	0.000	0.000	0.000
472	11/9/2017	16:46:07	0.000	0.000	0.000
Peak		0.000 0.132	1.102		
Min		0.000 0.000	0.000		
Average		0.000 0.001	0.005		

=====

17/11/13 09:07

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID 00000001

Begin 11/13/2017 09:07:14

End 11/13/2017 16:31:06

Sample Period(s) 60

Number of Records 443

Sensor VOC(ppm)

Span 100.000

Span 2 N/A

Low Alarm 50.000

High Alarm 100.000

Over Alarm 15000.000

STEL Alarm 25.000

TWA Alarm 10.000

Measurement Gas Isobutylene

Calibration Time 11/3/2017 08:06

Peak N/A

Min N/A

Average N/A

Pine_24759_20180226

Datalog

Index	VOC(ppm)		VOC(ppm)		VOC(ppm)
	Date/Time	(Min)	(Avg)	(Max)	
001	11/13/2017	09:08:14	0.000	0.000	0.000
002	11/13/2017	09:09:14	0.000	0.000	0.000
003	11/13/2017	09:10:14	0.000	0.000	0.000
004	11/13/2017	09:11:14	0.000	0.000	0.000
005	11/13/2017	09:12:14	0.000	0.000	0.000
006	11/13/2017	09:13:14	0.000	0.000	0.000
007	11/13/2017	09:14:14	0.000	0.000	0.000
008	11/13/2017	09:15:14	0.000	0.000	0.000
009	11/13/2017	09:16:14	0.000	0.000	0.000
010	11/13/2017	09:17:14	0.000	0.000	0.000
011	11/13/2017	09:18:14	0.000	0.000	0.000
012	11/13/2017	09:19:14	0.000	0.000	0.000
013	11/13/2017	09:20:14	0.000	0.000	0.000
014	11/13/2017	09:21:14	0.000	0.000	0.000
015	11/13/2017	09:22:14	0.000	0.000	0.000
016	11/13/2017	09:23:14	0.000	0.000	0.000
017	11/13/2017	09:24:14	0.000	0.000	0.000
018	11/13/2017	09:25:14	0.000	0.000	0.000
019	11/13/2017	09:26:14	0.000	0.000	0.000
020	11/13/2017	09:27:14	0.000	0.000	0.000
021	11/13/2017	09:28:14	0.000	0.000	0.000
022	11/13/2017	09:29:14	0.000	0.000	0.000
023	11/13/2017	09:30:14	0.000	0.000	0.000
024	11/13/2017	09:31:14	0.000	0.000	0.000
025	11/13/2017	09:32:14	0.000	0.000	0.000
026	11/13/2017	09:33:14	0.000	0.000	0.000
027	11/13/2017	09:34:14	0.000	0.000	0.000
028	11/13/2017	09:35:14	0.000	0.000	0.000
029	11/13/2017	09:36:14	0.000	0.000	0.000
030	11/13/2017	09:37:14	0.000	0.000	0.000
031	11/13/2017	09:38:14	0.000	0.000	0.000
032	11/13/2017	09:39:14	0.000	0.000	0.000
033	11/13/2017	09:40:14	0.000	0.000	0.000
034	11/13/2017	09:41:14	0.000	0.000	0.000
035	11/13/2017	09:42:14	0.000	0.000	0.000
036	11/13/2017	09:43:14	0.000	0.000	0.000
037	11/13/2017	09:44:14	0.000	0.000	0.000
038	11/13/2017	09:45:14	0.000	0.000	0.000
039	11/13/2017	09:46:14	0.000	0.000	0.000
040	11/13/2017	09:47:14	0.000	0.000	0.000
041	11/13/2017	09:48:14	0.000	0.000	0.000
042	11/13/2017	09:49:14	0.000	0.000	0.000
043	11/13/2017	09:50:14	0.000	0.000	0.000
044	11/13/2017	09:51:14	0.000	0.000	0.000
045	11/13/2017	09:52:14	0.000	0.000	0.000

			Pine_24759_20180226		
046	11/13/2017	09:53:14	0.000	0.000	0.000
047	11/13/2017	09:54:14	0.000	0.000	0.000
048	11/13/2017	09:55:14	0.000	0.000	0.000
049	11/13/2017	09:56:14	0.000	0.000	0.000
050	11/13/2017	09:57:14	0.000	0.000	0.000
051	11/13/2017	09:58:14	0.000	0.000	0.000
052	11/13/2017	09:59:14	0.000	0.000	0.000
053	11/13/2017	10:00:14	0.000	0.000	0.000
054	11/13/2017	10:01:14	0.000	0.000	0.000
055	11/13/2017	10:02:14	0.000	0.000	0.000
056	11/13/2017	10:03:14	0.000	0.000	0.000
057	11/13/2017	10:04:14	0.000	0.000	0.000
058	11/13/2017	10:05:14	0.000	0.000	0.000
059	11/13/2017	10:06:14	0.000	0.000	0.000
060	11/13/2017	10:07:14	0.000	0.000	0.000
061	11/13/2017	10:08:14	0.000	0.000	0.000
062	11/13/2017	10:09:14	0.000	0.000	0.000
063	11/13/2017	10:10:14	0.000	0.000	0.000
064	11/13/2017	10:11:14	0.000	0.000	0.000
065	11/13/2017	10:12:14	0.000	0.000	0.000
066	11/13/2017	10:13:14	0.000	0.000	0.000
067	11/13/2017	10:14:14	0.000	0.000	0.000
068	11/13/2017	10:15:14	0.000	0.000	0.000
069	11/13/2017	10:16:14	0.000	0.000	0.000
070	11/13/2017	10:17:14	0.000	0.000	0.000
071	11/13/2017	10:18:14	0.000	0.000	0.000
072	11/13/2017	10:19:14	0.000	0.000	0.000
073	11/13/2017	10:20:14	0.000	0.000	0.000
074	11/13/2017	10:21:14	0.000	0.000	0.000
075	11/13/2017	10:22:14	0.000	0.000	0.000
076	11/13/2017	10:23:14	0.000	0.000	0.000
077	11/13/2017	10:24:14	0.000	0.000	0.000
078	11/13/2017	10:25:14	0.000	0.000	0.000
079	11/13/2017	10:26:14	0.000	0.000	0.000
080	11/13/2017	10:27:14	0.000	0.000	0.000
081	11/13/2017	10:28:14	0.000	0.000	0.000
082	11/13/2017	10:29:14	0.000	0.000	0.000
083	11/13/2017	10:30:14	0.000	0.000	0.000
084	11/13/2017	10:31:14	0.000	0.000	0.000
085	11/13/2017	10:32:14	0.000	0.000	0.000
086	11/13/2017	10:33:14	0.000	0.000	0.000
087	11/13/2017	10:34:14	0.000	0.000	0.000
088	11/13/2017	10:35:14	0.000	0.000	0.000
089	11/13/2017	10:36:14	0.000	0.000	0.000
090	11/13/2017	10:37:14	0.000	0.000	0.000
091	11/13/2017	10:38:14	0.000	0.000	0.000
092	11/13/2017	10:39:14	0.000	0.000	0.000
093	11/13/2017	10:40:14	0.000	0.000	0.000

			Pine_24759_20180226		
094	11/13/2017	10:41:14	0.000	0.000	0.000
095	11/13/2017	10:42:14	0.000	0.000	0.000
096	11/13/2017	10:43:14	0.000	0.000	0.000
097	11/13/2017	10:44:14	0.000	0.000	0.000
098	11/13/2017	10:45:14	0.000	0.000	0.000
099	11/13/2017	10:46:14	0.000	0.000	0.000
100	11/13/2017	10:47:14	0.000	0.000	0.000
101	11/13/2017	10:48:14	0.000	0.000	0.000
102	11/13/2017	10:49:14	0.000	0.000	0.000
103	11/13/2017	10:50:14	0.000	0.000	0.000
104	11/13/2017	10:51:14	0.000	0.000	0.000
105	11/13/2017	10:52:14	0.000	0.000	0.000
106	11/13/2017	10:53:14	0.000	0.000	0.000
107	11/13/2017	10:54:14	0.000	0.000	0.000
108	11/13/2017	10:55:14	0.000	0.000	0.000
109	11/13/2017	10:56:14	0.000	0.000	0.000
110	11/13/2017	10:57:14	0.000	0.000	0.000
111	11/13/2017	10:58:14	0.000	0.000	0.000
112	11/13/2017	10:59:14	0.000	0.000	0.000
113	11/13/2017	11:00:14	0.000	0.000	0.000
114	11/13/2017	11:01:14	0.000	0.000	0.000
115	11/13/2017	11:02:14	0.000	0.000	0.000
116	11/13/2017	11:03:14	0.000	0.000	0.000
117	11/13/2017	11:04:14	0.000	0.000	0.000
118	11/13/2017	11:05:14	0.000	0.000	0.000
119	11/13/2017	11:06:14	0.000	0.000	0.000
120	11/13/2017	11:07:14	0.000	0.000	0.000
121	11/13/2017	11:08:14	0.000	0.000	0.000
122	11/13/2017	11:09:14	0.000	0.000	0.000
123	11/13/2017	11:10:14	0.000	0.000	0.000
124	11/13/2017	11:11:14	0.000	0.000	0.000
125	11/13/2017	11:12:14	0.000	0.000	0.000
126	11/13/2017	11:13:14	0.000	0.000	0.000
127	11/13/2017	11:14:14	0.000	0.000	0.000
128	11/13/2017	11:15:14	0.000	0.000	0.000
129	11/13/2017	11:16:14	0.000	0.000	0.000
130	11/13/2017	11:17:14	0.000	0.000	0.000
131	11/13/2017	11:18:14	0.000	0.000	0.000
132	11/13/2017	11:19:14	0.000	0.000	0.000
133	11/13/2017	11:20:14	0.000	0.000	0.000
134	11/13/2017	11:21:14	0.000	0.000	0.000
135	11/13/2017	11:22:14	0.000	0.000	0.000
136	11/13/2017	11:23:14	0.000	0.000	0.000
137	11/13/2017	11:24:14	0.000	0.000	0.000
138	11/13/2017	11:25:14	0.000	0.000	0.000
139	11/13/2017	11:26:14	0.000	0.000	0.000
140	11/13/2017	11:27:14	0.000	0.000	0.000
141	11/13/2017	11:28:14	0.000	0.000	0.000

			Pine_24759_20180226		
142	11/13/2017	11:29:14	0.000	0.000	0.000
143	11/13/2017	11:30:14	0.000	0.000	0.000
144	11/13/2017	11:31:14	0.000	0.000	0.000
145	11/13/2017	11:32:14	0.000	0.000	0.000
146	11/13/2017	11:33:14	0.000	0.000	0.000
147	11/13/2017	11:34:14	0.000	0.000	0.000
148	11/13/2017	11:35:14	0.000	0.000	0.000
149	11/13/2017	11:36:14	0.000	0.000	0.000
150	11/13/2017	11:37:14	0.000	0.000	0.000
151	11/13/2017	11:38:14	0.000	0.000	0.000
152	11/13/2017	11:39:14	0.000	0.000	0.000
153	11/13/2017	11:40:14	0.000	0.000	0.000
154	11/13/2017	11:41:14	0.000	0.000	0.000
155	11/13/2017	11:42:14	0.000	0.000	0.000
156	11/13/2017	11:43:14	0.000	0.000	0.000
157	11/13/2017	11:44:14	0.000	0.000	0.000
158	11/13/2017	11:45:14	0.000	0.000	0.000
159	11/13/2017	11:46:14	0.000	0.000	0.000
160	11/13/2017	11:47:14	0.000	0.000	0.000
161	11/13/2017	11:48:14	0.000	0.000	0.000
162	11/13/2017	11:49:14	0.000	0.000	0.000
163	11/13/2017	11:50:14	0.000	0.000	0.000
164	11/13/2017	11:51:14	0.000	0.000	0.000
165	11/13/2017	11:52:14	0.000	0.000	0.000
166	11/13/2017	11:53:14	0.000	0.000	0.000
167	11/13/2017	11:54:14	0.000	0.000	0.000
168	11/13/2017	11:55:14	0.000	0.000	0.000
169	11/13/2017	11:56:14	0.000	0.000	0.000
170	11/13/2017	11:57:14	0.000	0.000	0.000
171	11/13/2017	11:58:14	0.000	0.000	0.000
172	11/13/2017	11:59:14	0.000	0.000	0.000
173	11/13/2017	12:00:14	0.000	0.000	0.000
174	11/13/2017	12:01:14	0.000	0.000	0.000
175	11/13/2017	12:02:14	0.000	0.000	0.000
176	11/13/2017	12:03:14	0.000	0.000	0.000
177	11/13/2017	12:04:14	0.000	0.000	0.000
178	11/13/2017	12:05:14	0.000	0.000	0.000
179	11/13/2017	12:06:14	0.000	0.000	0.000
180	11/13/2017	12:07:14	0.000	0.000	0.000
181	11/13/2017	12:08:14	0.000	0.000	0.000
182	11/13/2017	12:09:14	0.000	0.000	0.000
183	11/13/2017	12:10:14	0.000	0.000	0.000
184	11/13/2017	12:11:14	0.000	0.000	0.000
185	11/13/2017	12:12:14	0.000	0.000	0.000
186	11/13/2017	12:13:14	0.000	0.000	0.000
187	11/13/2017	12:14:14	0.000	0.000	0.000
188	11/13/2017	12:15:14	0.000	0.000	0.000
189	11/13/2017	12:16:14	0.000	0.000	0.000

			Pine_24759_20180226		
190	11/13/2017	12:17:14	0.000	0.000	0.000
191	11/13/2017	12:18:14	0.000	0.000	0.000
192	11/13/2017	12:19:14	0.000	0.000	0.000
193	11/13/2017	12:20:14	0.000	0.000	0.000
194	11/13/2017	12:21:14	0.000	0.000	0.000
195	11/13/2017	12:22:14	0.000	0.000	0.000
196	11/13/2017	12:23:14	0.000	0.000	0.000
197	11/13/2017	12:24:14	0.000	0.000	0.000
198	11/13/2017	12:25:14	0.000	0.000	0.000
199	11/13/2017	12:26:14	0.000	0.000	0.000
200	11/13/2017	12:27:14	0.000	0.000	0.000
201	11/13/2017	12:28:14	0.000	0.000	0.000
202	11/13/2017	12:29:14	0.000	0.000	0.000
203	11/13/2017	12:30:14	0.000	0.000	0.000
204	11/13/2017	12:31:14	0.000	0.000	0.000
205	11/13/2017	12:32:14	0.000	0.000	0.000
206	11/13/2017	12:33:14	0.000	0.000	0.000
207	11/13/2017	12:34:14	0.000	0.000	0.000
208	11/13/2017	12:35:14	0.000	0.000	0.000
209	11/13/2017	12:36:14	0.000	0.000	0.000
210	11/13/2017	12:37:14	0.000	0.000	0.000
211	11/13/2017	12:38:14	0.000	0.000	0.000
212	11/13/2017	12:39:14	0.000	0.000	0.000
213	11/13/2017	12:40:14	0.000	0.000	0.000
214	11/13/2017	12:41:14	0.000	0.000	0.000
215	11/13/2017	12:42:14	0.000	0.000	0.000
216	11/13/2017	12:43:14	0.000	0.000	0.000
217	11/13/2017	12:44:14	0.000	0.000	0.000
218	11/13/2017	12:45:14	0.000	0.000	0.000
219	11/13/2017	12:46:14	0.000	0.000	0.000
220	11/13/2017	12:47:14	0.000	0.000	0.000
221	11/13/2017	12:48:14	0.000	0.000	0.000
222	11/13/2017	12:49:14	0.000	0.000	0.000
223	11/13/2017	12:50:14	0.000	0.000	0.000
224	11/13/2017	12:51:14	0.000	0.000	0.000
225	11/13/2017	12:52:14	0.000	0.000	0.000
226	11/13/2017	12:53:14	0.000	0.000	0.000
227	11/13/2017	12:54:14	0.000	0.000	0.000
228	11/13/2017	12:55:14	0.000	0.000	0.000
229	11/13/2017	12:56:14	0.000	0.000	0.000
230	11/13/2017	12:57:14	0.000	0.000	0.000
231	11/13/2017	12:58:14	0.000	0.000	0.000
232	11/13/2017	12:59:14	0.000	0.000	0.000
233	11/13/2017	13:00:14	0.000	0.000	0.000
234	11/13/2017	13:01:14	0.000	0.000	0.000
235	11/13/2017	13:02:14	0.000	0.000	0.000
236	11/13/2017	13:03:14	0.000	0.000	0.000
237	11/13/2017	13:04:14	0.000	0.000	0.000

			Pine_24759_20180226		
238	11/13/2017	13:05:14	0.000	0.000	0.000
239	11/13/2017	13:06:14	0.000	0.000	0.000
240	11/13/2017	13:07:14	0.000	0.000	0.000
241	11/13/2017	13:08:14	0.000	0.000	0.000
242	11/13/2017	13:09:14	0.000	0.000	0.000
243	11/13/2017	13:10:14	0.000	0.000	0.000
244	11/13/2017	13:11:14	0.000	0.000	0.000
245	11/13/2017	13:12:14	0.000	0.000	0.000
246	11/13/2017	13:13:14	0.000	0.000	0.000
247	11/13/2017	13:14:14	0.000	0.000	0.000
248	11/13/2017	13:15:14	0.000	0.000	0.000
249	11/13/2017	13:16:14	0.000	0.000	0.000
250	11/13/2017	13:17:14	0.000	0.000	0.000
251	11/13/2017	13:18:14	0.000	0.000	0.000
252	11/13/2017	13:19:14	0.000	0.000	0.000
253	11/13/2017	13:20:14	0.000	0.000	0.000
254	11/13/2017	13:21:14	0.000	0.000	0.000
255	11/13/2017	13:22:14	0.000	0.000	0.000
256	11/13/2017	13:23:14	0.000	0.000	0.000
257	11/13/2017	13:24:14	0.000	0.000	0.000
258	11/13/2017	13:25:14	0.000	0.000	0.000
259	11/13/2017	13:26:14	0.000	0.000	0.000
260	11/13/2017	13:27:14	0.000	0.000	0.000
261	11/13/2017	13:28:14	0.000	0.000	0.000
262	11/13/2017	13:29:14	0.000	0.000	0.000
263	11/13/2017	13:30:14	0.000	0.000	0.000
264	11/13/2017	13:31:14	0.000	0.000	0.000
265	11/13/2017	13:32:14	0.000	0.000	0.000
266	11/13/2017	13:33:14	0.000	0.000	0.000
267	11/13/2017	13:34:14	0.000	0.000	0.000
268	11/13/2017	13:35:14	0.000	0.000	0.000
269	11/13/2017	13:36:14	0.000	0.000	0.000
270	11/13/2017	13:37:14	0.000	0.000	0.000
271	11/13/2017	13:38:14	0.000	0.000	0.000
272	11/13/2017	13:39:14	0.000	0.000	0.000
273	11/13/2017	13:40:14	0.000	0.000	0.000
274	11/13/2017	13:41:14	0.000	0.000	0.000
275	11/13/2017	13:42:14	0.000	0.000	0.000
276	11/13/2017	13:43:14	0.000	0.000	0.000
277	11/13/2017	13:44:14	0.000	0.000	0.000
278	11/13/2017	13:45:14	0.000	0.000	0.000
279	11/13/2017	13:46:14	0.000	0.000	0.000
280	11/13/2017	13:47:14	0.000	0.000	0.000
281	11/13/2017	13:48:14	0.000	0.000	0.000
282	11/13/2017	13:49:14	0.000	0.000	0.000
283	11/13/2017	13:50:14	0.000	0.000	0.000
284	11/13/2017	13:51:14	0.000	0.000	0.000
285	11/13/2017	13:52:14	0.000	0.000	0.000

			Pine_24759_20180226		
286	11/13/2017	13:53:14	0.000	0.000	0.000
287	11/13/2017	13:54:14	0.000	0.000	0.000
288	11/13/2017	13:55:14	0.000	0.000	0.000
289	11/13/2017	13:56:14	0.000	0.000	0.000
290	11/13/2017	13:57:14	0.000	0.000	0.000
291	11/13/2017	13:58:14	0.000	0.000	0.000
292	11/13/2017	13:59:14	0.000	0.000	0.000
293	11/13/2017	14:00:14	0.000	0.000	0.000
294	11/13/2017	14:01:14	0.000	0.000	0.000
295	11/13/2017	14:02:14	0.000	0.000	0.000
296	11/13/2017	14:03:14	0.000	0.000	0.000
297	11/13/2017	14:04:14	0.000	0.000	0.000
298	11/13/2017	14:05:14	0.000	0.000	0.000
299	11/13/2017	14:06:14	0.000	0.000	0.000
300	11/13/2017	14:07:14	0.000	0.000	0.000
301	11/13/2017	14:08:14	0.000	0.000	0.000
302	11/13/2017	14:09:14	0.000	0.000	0.000
303	11/13/2017	14:10:14	0.000	0.000	0.000
304	11/13/2017	14:11:14	0.000	0.000	0.000
305	11/13/2017	14:12:14	0.000	0.000	0.000
306	11/13/2017	14:13:14	0.000	0.000	0.000
307	11/13/2017	14:14:14	0.000	0.000	0.000
308	11/13/2017	14:15:14	0.000	0.000	0.000
309	11/13/2017	14:16:14	0.000	0.000	0.000
310	11/13/2017	14:17:14	0.000	0.000	0.000
311	11/13/2017	14:18:14	0.000	0.000	0.000
312	11/13/2017	14:19:14	0.000	0.000	0.000
313	11/13/2017	14:20:14	0.000	0.000	0.000
314	11/13/2017	14:21:14	0.000	0.000	0.000
315	11/13/2017	14:22:14	0.000	0.000	0.000
316	11/13/2017	14:23:14	0.000	0.000	0.000
317	11/13/2017	14:24:14	0.000	0.000	0.000
318	11/13/2017	14:25:14	0.000	0.000	0.000
319	11/13/2017	14:26:14	0.000	0.000	0.000
320	11/13/2017	14:27:14	0.000	0.000	0.000
321	11/13/2017	14:28:14	0.000	0.000	0.000
322	11/13/2017	14:29:14	0.000	0.000	0.000
323	11/13/2017	14:30:14	0.000	0.000	0.000
324	11/13/2017	14:31:14	0.000	0.000	0.000
325	11/13/2017	14:32:14	0.000	0.000	0.000
326	11/13/2017	14:33:14	0.000	0.000	0.000
327	11/13/2017	14:34:14	0.000	0.000	0.000
328	11/13/2017	14:35:14	0.000	0.000	0.000
329	11/13/2017	14:36:14	0.000	0.000	0.000
330	11/13/2017	14:37:14	0.000	0.000	0.000
331	11/13/2017	14:38:14	0.000	0.000	0.000
332	11/13/2017	14:39:14	0.000	0.000	0.000
333	11/13/2017	14:40:14	0.000	0.000	0.000

Pine_24759_20180226

334	11/13/2017	14:41:14	0.000	0.000	0.000
335	11/13/2017	14:42:14	0.000	0.000	0.000
336	11/13/2017	14:43:14	0.000	0.000	0.000
337	11/13/2017	14:44:14	0.000	0.000	0.000
338	11/13/2017	14:45:14	0.000	0.000	0.000
339	11/13/2017	14:46:14	0.000	0.000	0.000
340	11/13/2017	14:47:14	0.000	0.000	0.000
341	11/13/2017	14:48:14	0.000	0.000	0.000
342	11/13/2017	14:49:14	0.000	0.000	0.000
343	11/13/2017	14:50:14	0.000	0.000	0.000
344	11/13/2017	14:51:14	0.000	0.000	0.000
345	11/13/2017	14:52:14	0.000	0.000	0.000
346	11/13/2017	14:53:14	0.000	0.000	0.000
347	11/13/2017	14:54:14	0.000	0.000	0.000
348	11/13/2017	14:55:14	0.000	0.000	0.000
349	11/13/2017	14:56:14	0.000	0.000	0.000
350	11/13/2017	14:57:14	0.000	0.000	0.000
351	11/13/2017	14:58:14	0.000	0.000	0.000
352	11/13/2017	14:59:14	0.000	0.000	0.000
353	11/13/2017	15:00:14	0.000	0.000	0.000
354	11/13/2017	15:01:14	0.000	0.000	0.000
355	11/13/2017	15:02:14	0.000	0.000	0.000
356	11/13/2017	15:03:14	0.000	0.000	0.000
357	11/13/2017	15:04:14	0.000	0.000	0.000
358	11/13/2017	15:05:14	0.000	0.000	0.000
359	11/13/2017	15:06:14	0.000	0.000	0.000
360	11/13/2017	15:07:14	0.000	0.000	0.000
361	11/13/2017	15:08:14	0.000	0.000	0.000
362	11/13/2017	15:09:14	0.000	0.000	0.000
363	11/13/2017	15:10:14	0.000	0.000	0.000
364	11/13/2017	15:11:14	0.000	0.000	0.000
365	11/13/2017	15:12:14	0.000	0.000	0.000
366	11/13/2017	15:13:14	0.000	0.000	0.000
367	11/13/2017	15:14:14	0.000	0.000	0.000
368	11/13/2017	15:15:14	0.000	0.000	0.000
369	11/13/2017	15:16:14	0.000	0.000	0.000
370	11/13/2017	15:17:14	0.000	0.000	0.000
371	11/13/2017	15:18:14	0.000	0.000	0.000
372	11/13/2017	15:19:14	0.000	0.000	0.000
373	11/13/2017	15:20:14	0.000	0.000	0.000
374	11/13/2017	15:21:14	0.000	0.000	0.000
375	11/13/2017	15:22:14	0.000	0.000	0.000
376	11/13/2017	15:23:14	0.000	0.000	0.000
377	11/13/2017	15:24:14	0.000	0.000	0.000
378	11/13/2017	15:25:14	0.000	0.000	0.000
379	11/13/2017	15:26:14	0.000	0.000	0.000
380	11/13/2017	15:27:14	0.000	0.000	0.000
381	11/13/2017	15:28:14	0.000	0.000	0.000

			Pine_24759_20180226		
382	11/13/2017	15:29:14	0.000	0.000	0.000
383	11/13/2017	15:30:14	0.000	0.000	0.000
384	11/13/2017	15:31:14	0.000	0.000	0.000
385	11/13/2017	15:32:14	0.000	0.000	0.000
386	11/13/2017	15:33:14	0.000	0.000	0.000
387	11/13/2017	15:34:14	0.000	0.000	0.000
388	11/13/2017	15:35:14	0.000	0.000	0.000
389	11/13/2017	15:36:14	0.000	0.000	0.000
390	11/13/2017	15:37:14	0.000	0.000	0.000
391	11/13/2017	15:38:14	0.000	0.000	0.000
392	11/13/2017	15:39:14	0.000	0.000	0.000
393	11/13/2017	15:40:14	0.000	0.000	0.000
394	11/13/2017	15:41:14	0.000	0.000	0.000
395	11/13/2017	15:42:14	0.000	0.000	0.000
396	11/13/2017	15:43:14	0.000	0.000	0.000
397	11/13/2017	15:44:14	0.000	0.000	0.000
398	11/13/2017	15:45:14	0.000	0.000	0.000
399	11/13/2017	15:46:14	0.000	0.000	0.000
400	11/13/2017	15:47:14	0.000	0.000	0.000
401	11/13/2017	15:48:14	0.000	0.000	0.000
402	11/13/2017	15:49:14	0.000	0.000	0.000
403	11/13/2017	15:50:14	0.000	0.000	0.000
404	11/13/2017	15:51:14	0.000	0.000	0.000
405	11/13/2017	15:52:14	0.000	0.000	0.000
406	11/13/2017	15:53:14	0.000	0.000	0.000
407	11/13/2017	15:54:14	0.000	0.000	0.000
408	11/13/2017	15:55:14	0.000	0.000	0.000
409	11/13/2017	15:56:14	0.000	0.000	0.000
410	11/13/2017	15:57:14	0.000	0.000	0.000
411	11/13/2017	15:58:14	0.000	0.000	0.000
412	11/13/2017	15:59:14	0.000	0.000	0.000
413	11/13/2017	16:00:14	0.000	0.000	0.000
414	11/13/2017	16:01:14	0.000	0.000	0.000
415	11/13/2017	16:02:14	0.000	0.000	0.000
416	11/13/2017	16:03:14	0.000	0.000	0.000
417	11/13/2017	16:04:14	0.000	0.000	0.000
418	11/13/2017	16:05:14	0.000	0.000	0.000
419	11/13/2017	16:06:14	0.000	0.000	0.000
420	11/13/2017	16:07:14	0.000	0.000	0.000
421	11/13/2017	16:08:14	0.000	0.000	0.000
422	11/13/2017	16:09:14	0.000	0.000	0.000
423	11/13/2017	16:10:14	0.000	0.000	0.000
424	11/13/2017	16:11:14	0.000	0.000	0.000
425	11/13/2017	16:12:14	0.000	0.000	0.000
426	11/13/2017	16:13:14	0.000	0.000	0.000
427	11/13/2017	16:14:14	0.000	0.000	0.000
428	11/13/2017	16:15:14	0.000	0.000	0.000
429	11/13/2017	16:16:14	0.000	0.000	0.000

			Pine_24759_20180226		
430	11/13/2017	16:17:14	0.000	0.000	0.000
431	11/13/2017	16:18:14	0.000	0.000	0.000
432	11/13/2017	16:19:14	0.000	0.000	0.000
433	11/13/2017	16:20:14	0.000	0.000	0.000
434	11/13/2017	16:21:14	0.000	0.000	0.000
435	11/13/2017	16:22:14	0.000	0.000	0.000
436	11/13/2017	16:23:14	0.000	0.000	0.000
437	11/13/2017	16:24:14	0.000	0.000	0.000
438	11/13/2017	16:25:14	0.000	0.000	0.000
439	11/13/2017	16:26:14	0.000	0.000	0.000
440	11/13/2017	16:27:14	0.000	0.000	0.000
441	11/13/2017	16:28:14	0.000	0.000	0.000
442	11/13/2017	16:29:14	0.000	0.000	0.000
443	11/13/2017	16:30:14	0.000	0.000	0.000
Peak		0.000	0.000	0.000	
Min		0.000	0.000	0.000	
Average		0.000	0.000	0.000	

=====

17/11/14 09:20

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID 00000001

Begin 11/14/2017 09:20:52

End 11/14/2017 17:37:17

Sample Period(s) 60

Number of Records 496

Sensor VOC(ppm)

Span 100.000

Span 2 N/A

Low Alarm 50.000

High Alarm 100.000

Over Alarm 15000.000

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STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	11/14/2017 09:21:52	0.000	0.000	0.000	0.000
002	11/14/2017 09:22:52	0.000	0.000	0.000	0.000
003	11/14/2017 09:23:52	0.000	0.000	0.000	0.000
004	11/14/2017 09:24:52	0.000	0.000	0.000	0.000
005	11/14/2017 09:25:52	0.000	0.000	0.000	0.000
006	11/14/2017 09:26:52	0.000	0.000	0.000	0.000
007	11/14/2017 09:27:52	0.000	0.000	0.000	0.000
008	11/14/2017 09:28:52	0.000	0.000	0.000	0.000
009	11/14/2017 09:29:52	0.000	0.000	0.000	0.000
010	11/14/2017 09:30:52	0.000	0.000	0.000	0.000
011	11/14/2017 09:31:52	0.000	0.000	0.000	0.000
012	11/14/2017 09:32:52	0.000	0.000	0.000	0.000
013	11/14/2017 09:33:52	0.000	0.000	0.000	0.000
014	11/14/2017 09:34:52	0.000	0.000	0.000	0.000
015	11/14/2017 09:35:52	0.000	0.000	0.000	0.000
016	11/14/2017 09:36:52	0.000	0.000	0.000	0.000
017	11/14/2017 09:37:52	0.000	0.000	0.000	0.000
018	11/14/2017 09:38:52	0.000	0.000	0.000	0.000
019	11/14/2017 09:39:52	0.000	0.000	0.000	0.000
020	11/14/2017 09:40:52	0.000	0.000	0.000	0.000
021	11/14/2017 09:41:52	0.000	0.000	0.000	0.000
022	11/14/2017 09:42:52	0.000	0.000	0.000	0.000
023	11/14/2017 09:43:52	0.000	0.000	0.000	0.000
024	11/14/2017 09:44:52	0.000	0.000	0.000	0.000
025	11/14/2017 09:45:52	0.000	0.000	0.000	0.000
026	11/14/2017 09:46:52	0.000	0.000	0.000	0.000
027	11/14/2017 09:47:52	0.000	0.000	0.000	0.000
028	11/14/2017 09:48:52	0.000	0.000	0.000	0.000
029	11/14/2017 09:49:52	0.000	0.000	0.000	0.000
030	11/14/2017 09:50:52	0.000	0.000	0.000	0.000
031	11/14/2017 09:51:52	0.000	0.000	0.000	0.000
032	11/14/2017 09:52:52	0.000	0.000	0.000	0.000
033	11/14/2017 09:53:52	0.000	0.000	0.000	0.000
034	11/14/2017 09:54:52	0.000	0.000	0.000	0.000
035	11/14/2017 09:55:52	0.000	0.000	0.000	0.000
036	11/14/2017 09:56:52	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
037	11/14/2017	09:57:52	0.000	0.000	0.000
038	11/14/2017	09:58:52	0.000	0.000	0.000
039	11/14/2017	09:59:52	0.000	0.000	0.000
040	11/14/2017	10:00:52	0.000	0.000	0.000
041	11/14/2017	10:01:52	0.000	0.000	0.000
042	11/14/2017	10:02:52	0.000	0.000	0.000
043	11/14/2017	10:03:52	0.000	0.000	0.000
044	11/14/2017	10:04:52	0.000	0.000	0.000
045	11/14/2017	10:05:52	0.000	0.000	0.000
046	11/14/2017	10:06:52	0.000	0.000	0.000
047	11/14/2017	10:07:52	0.000	0.000	0.000
048	11/14/2017	10:08:52	0.000	0.000	0.000
049	11/14/2017	10:09:52	0.000	0.000	0.000
050	11/14/2017	10:10:52	0.000	0.000	0.000
051	11/14/2017	10:11:52	0.000	0.000	0.000
052	11/14/2017	10:12:52	0.000	0.000	0.000
053	11/14/2017	10:13:52	0.000	0.000	0.000
054	11/14/2017	10:14:52	0.000	0.000	0.000
055	11/14/2017	10:15:52	0.000	0.000	0.000
056	11/14/2017	10:16:52	0.000	0.000	0.000
057	11/14/2017	10:17:52	0.000	0.000	0.000
058	11/14/2017	10:18:52	0.000	0.000	0.000
059	11/14/2017	10:19:52	0.000	0.000	0.000
060	11/14/2017	10:20:52	0.000	0.000	0.000
061	11/14/2017	10:21:52	0.000	0.000	0.000
062	11/14/2017	10:22:52	0.000	0.000	0.000
063	11/14/2017	10:23:52	0.000	0.000	0.000
064	11/14/2017	10:24:52	0.000	0.000	0.000
065	11/14/2017	10:25:52	0.000	0.000	0.000
066	11/14/2017	10:26:52	0.000	0.000	0.000
067	11/14/2017	10:27:52	0.000	0.000	0.000
068	11/14/2017	10:28:52	0.000	0.000	0.000
069	11/14/2017	10:29:52	0.000	0.000	0.000
070	11/14/2017	10:30:52	0.000	0.000	0.000
071	11/14/2017	10:31:52	0.000	0.000	0.000
072	11/14/2017	10:32:52	0.000	0.000	0.000
073	11/14/2017	10:33:52	0.000	0.000	0.000
074	11/14/2017	10:34:52	0.000	0.000	0.000
075	11/14/2017	10:35:52	0.000	0.000	0.000
076	11/14/2017	10:36:52	0.000	0.000	0.000
077	11/14/2017	10:37:52	0.000	0.000	0.000
078	11/14/2017	10:38:52	0.000	0.000	0.000
079	11/14/2017	10:39:52	0.000	0.000	0.000
080	11/14/2017	10:40:52	0.000	0.000	0.000
081	11/14/2017	10:41:52	0.000	0.000	0.000
082	11/14/2017	10:42:52	0.000	0.000	0.000
083	11/14/2017	10:43:52	0.000	0.000	0.000
084	11/14/2017	10:44:52	0.000	0.000	0.000

			Pine_24759_20180226		
085	11/14/2017	10:45:52	0.000	0.000	0.000
086	11/14/2017	10:46:52	0.000	0.000	0.000
087	11/14/2017	10:47:52	0.000	0.000	0.000
088	11/14/2017	10:48:52	0.000	0.000	0.000
089	11/14/2017	10:49:52	0.000	0.000	0.000
090	11/14/2017	10:50:52	0.000	0.000	0.000
091	11/14/2017	10:51:52	0.000	0.000	0.000
092	11/14/2017	10:52:52	0.000	0.000	0.000
093	11/14/2017	10:53:52	0.000	0.000	0.000
094	11/14/2017	10:54:52	0.000	0.000	0.000
095	11/14/2017	10:55:52	0.000	0.000	0.000
096	11/14/2017	10:56:52	0.000	0.000	0.000
097	11/14/2017	10:57:52	0.000	0.000	0.000
098	11/14/2017	10:58:52	0.000	0.000	0.000
099	11/14/2017	10:59:52	0.000	0.000	0.000
100	11/14/2017	11:00:52	0.000	0.000	0.000
101	11/14/2017	11:01:52	0.000	0.000	0.000
102	11/14/2017	11:02:52	0.000	0.000	0.000
103	11/14/2017	11:03:52	0.000	0.000	0.000
104	11/14/2017	11:04:52	0.000	0.000	0.000
105	11/14/2017	11:05:52	0.000	0.000	0.000
106	11/14/2017	11:06:52	0.000	0.000	0.000
107	11/14/2017	11:07:52	0.000	0.000	0.000
108	11/14/2017	11:08:52	0.000	0.000	0.000
109	11/14/2017	11:09:52	0.000	0.000	0.000
110	11/14/2017	11:10:52	0.000	0.000	0.000
111	11/14/2017	11:11:52	0.000	0.000	0.000
112	11/14/2017	11:12:52	0.000	0.000	0.000
113	11/14/2017	11:13:52	0.000	0.000	0.000
114	11/14/2017	11:14:52	0.000	0.000	0.000
115	11/14/2017	11:15:52	0.000	0.000	0.000
116	11/14/2017	11:16:52	0.000	0.000	0.000
117	11/14/2017	11:17:52	0.000	0.000	0.000
118	11/14/2017	11:18:52	0.000	0.000	0.000
119	11/14/2017	11:19:52	0.000	0.000	0.000
120	11/14/2017	11:20:52	0.000	0.000	0.000
121	11/14/2017	11:21:52	0.000	0.000	0.000
122	11/14/2017	11:22:52	0.000	0.000	0.000
123	11/14/2017	11:23:52	0.000	0.000	0.000
124	11/14/2017	11:24:52	0.000	0.000	0.000
125	11/14/2017	11:25:52	0.000	0.000	0.000
126	11/14/2017	11:26:52	0.000	0.000	0.000
127	11/14/2017	11:27:52	0.000	0.000	0.000
128	11/14/2017	11:28:52	0.000	0.000	0.000
129	11/14/2017	11:29:52	0.000	0.000	0.000
130	11/14/2017	11:30:52	0.000	0.000	0.000
131	11/14/2017	11:31:52	0.000	0.000	0.000
132	11/14/2017	11:32:52	0.000	0.000	0.000

			Pine_24759_20180226		
133	11/14/2017	11:33:52	0.000	0.000	0.000
134	11/14/2017	11:34:52	0.000	0.000	0.000
135	11/14/2017	11:35:52	0.000	0.000	0.000
136	11/14/2017	11:36:52	0.000	0.000	0.000
137	11/14/2017	11:37:52	0.000	0.000	0.000
138	11/14/2017	11:38:52	0.000	0.000	0.000
139	11/14/2017	11:39:52	0.000	0.000	0.000
140	11/14/2017	11:40:52	0.000	0.000	0.000
141	11/14/2017	11:41:52	0.000	0.000	0.000
142	11/14/2017	11:42:52	0.000	0.000	0.000
143	11/14/2017	11:43:52	0.000	0.000	0.000
144	11/14/2017	11:44:52	0.000	0.000	0.000
145	11/14/2017	11:45:52	0.000	0.000	0.000
146	11/14/2017	11:46:52	0.000	0.000	0.000
147	11/14/2017	11:47:52	0.000	0.000	0.000
148	11/14/2017	11:48:52	0.000	0.000	0.000
149	11/14/2017	11:49:52	0.000	0.000	0.000
150	11/14/2017	11:50:52	0.000	0.000	0.000
151	11/14/2017	11:51:52	0.000	0.000	0.000
152	11/14/2017	11:52:52	0.000	0.000	0.000
153	11/14/2017	11:53:52	0.000	0.000	0.000
154	11/14/2017	11:54:52	0.000	0.000	0.000
155	11/14/2017	11:55:52	0.000	0.000	0.000
156	11/14/2017	11:56:52	0.000	0.000	0.000
157	11/14/2017	11:57:52	0.000	0.000	0.000
158	11/14/2017	11:58:52	0.000	0.000	0.000
159	11/14/2017	11:59:52	0.000	0.000	0.000
160	11/14/2017	12:00:52	0.000	0.000	0.000
161	11/14/2017	12:01:52	0.000	0.000	0.000
162	11/14/2017	12:02:52	0.000	0.000	0.000
163	11/14/2017	12:03:52	0.000	0.000	0.000
164	11/14/2017	12:04:52	0.000	0.000	0.000
165	11/14/2017	12:05:52	0.000	0.000	0.000
166	11/14/2017	12:06:52	0.000	0.000	0.000
167	11/14/2017	12:07:52	0.000	0.000	0.000
168	11/14/2017	12:08:52	0.000	0.000	0.000
169	11/14/2017	12:09:52	0.000	0.000	0.000
170	11/14/2017	12:10:52	0.000	0.000	0.000
171	11/14/2017	12:11:52	0.000	0.000	0.000
172	11/14/2017	12:12:52	0.000	0.000	0.000
173	11/14/2017	12:13:52	0.000	0.000	0.000
174	11/14/2017	12:14:52	0.000	0.000	0.000
175	11/14/2017	12:15:52	0.000	0.000	0.000
176	11/14/2017	12:16:52	0.000	0.000	0.000
177	11/14/2017	12:17:52	0.000	0.000	0.000
178	11/14/2017	12:18:52	0.000	0.000	0.000
179	11/14/2017	12:19:52	0.000	0.000	0.000
180	11/14/2017	12:20:52	0.000	0.000	0.000

			Pine_24759_20180226		
181	11/14/2017	12:21:52	0.000	0.000	0.000
182	11/14/2017	12:22:52	0.000	0.000	0.000
183	11/14/2017	12:23:52	0.000	0.000	0.000
184	11/14/2017	12:24:52	0.000	0.000	0.000
185	11/14/2017	12:25:52	0.000	0.000	0.000
186	11/14/2017	12:26:52	0.000	0.000	0.000
187	11/14/2017	12:27:52	0.000	0.000	0.000
188	11/14/2017	12:28:52	0.000	0.000	0.000
189	11/14/2017	12:29:52	0.000	0.000	0.000
190	11/14/2017	12:30:52	0.000	0.000	0.000
191	11/14/2017	12:31:52	0.000	0.000	0.000
192	11/14/2017	12:32:52	0.000	0.000	0.000
193	11/14/2017	12:33:52	0.000	0.000	0.000
194	11/14/2017	12:34:52	0.000	0.000	0.000
195	11/14/2017	12:35:52	0.000	0.000	0.000
196	11/14/2017	12:36:52	0.000	0.000	0.000
197	11/14/2017	12:37:52	0.000	0.000	0.000
198	11/14/2017	12:38:52	0.000	0.000	0.000
199	11/14/2017	12:39:52	0.000	0.000	0.000
200	11/14/2017	12:40:52	0.000	0.000	0.000
201	11/14/2017	12:41:52	0.000	0.000	0.000
202	11/14/2017	12:42:52	0.000	0.000	0.000
203	11/14/2017	12:43:52	0.000	0.000	0.000
204	11/14/2017	12:44:52	0.000	0.000	0.000
205	11/14/2017	12:45:52	0.000	0.000	0.000
206	11/14/2017	12:46:52	0.000	0.000	0.000
207	11/14/2017	12:47:52	0.000	0.000	0.000
208	11/14/2017	12:48:52	0.000	0.000	0.000
209	11/14/2017	12:49:52	0.000	0.000	0.000
210	11/14/2017	12:50:52	0.000	0.000	0.000
211	11/14/2017	12:51:52	0.000	0.000	0.000
212	11/14/2017	12:52:52	0.000	0.000	0.000
213	11/14/2017	12:53:52	0.000	0.000	0.000
214	11/14/2017	12:54:52	0.000	0.000	0.000
215	11/14/2017	12:55:52	0.000	0.000	0.000
216	11/14/2017	12:56:52	0.000	0.000	0.000
217	11/14/2017	12:57:52	0.000	0.000	0.000
218	11/14/2017	12:58:52	0.000	0.000	0.000
219	11/14/2017	12:59:52	0.000	0.000	0.000
220	11/14/2017	13:00:52	0.000	0.000	0.000
221	11/14/2017	13:01:52	0.000	0.000	0.000
222	11/14/2017	13:02:52	0.000	0.000	0.000
223	11/14/2017	13:03:52	0.000	0.000	0.000
224	11/14/2017	13:04:52	0.000	0.000	0.000
225	11/14/2017	13:05:52	0.000	0.000	0.000
226	11/14/2017	13:06:52	0.000	0.000	0.000
227	11/14/2017	13:07:52	0.000	0.000	0.000
228	11/14/2017	13:08:52	0.000	0.000	0.000

			Pine_24759_20180226		
229	11/14/2017	13:09:52	0.000	0.000	0.000
230	11/14/2017	13:10:52	0.000	0.000	0.000
231	11/14/2017	13:11:52	0.000	0.000	0.000
232	11/14/2017	13:12:52	0.000	0.000	0.000
233	11/14/2017	13:13:52	0.000	0.000	0.000
234	11/14/2017	13:14:52	0.000	0.000	0.000
235	11/14/2017	13:15:52	0.000	0.000	0.000
236	11/14/2017	13:16:52	0.000	0.000	0.000
237	11/14/2017	13:17:52	0.000	0.000	0.000
238	11/14/2017	13:18:52	0.000	0.000	0.000
239	11/14/2017	13:19:52	0.000	0.000	0.000
240	11/14/2017	13:20:52	0.000	0.000	0.000
241	11/14/2017	13:21:52	0.000	0.000	0.000
242	11/14/2017	13:22:52	0.000	0.000	0.000
243	11/14/2017	13:23:52	0.000	0.000	0.000
244	11/14/2017	13:24:52	0.000	0.000	0.000
245	11/14/2017	13:25:52	0.000	0.000	0.000
246	11/14/2017	13:26:52	0.000	0.000	0.000
247	11/14/2017	13:27:52	0.000	0.000	0.000
248	11/14/2017	13:28:52	0.000	0.000	0.000
249	11/14/2017	13:29:52	0.000	0.000	0.000
250	11/14/2017	13:30:52	0.000	0.000	0.000
251	11/14/2017	13:31:52	0.000	0.000	0.000
252	11/14/2017	13:32:52	0.000	0.000	0.000
253	11/14/2017	13:33:52	0.000	0.000	0.000
254	11/14/2017	13:34:52	0.000	0.000	0.000
255	11/14/2017	13:35:52	0.000	0.000	0.000
256	11/14/2017	13:36:52	0.000	0.000	0.000
257	11/14/2017	13:37:52	0.000	0.000	0.000
258	11/14/2017	13:38:52	0.000	0.000	0.000
259	11/14/2017	13:39:52	0.000	0.000	0.000
260	11/14/2017	13:40:52	0.000	0.000	0.000
261	11/14/2017	13:41:52	0.000	0.000	0.000
262	11/14/2017	13:42:52	0.000	0.000	0.000
263	11/14/2017	13:43:52	0.000	0.000	0.000
264	11/14/2017	13:44:52	0.000	0.000	0.000
265	11/14/2017	13:45:52	0.000	0.000	0.000
266	11/14/2017	13:46:52	0.000	0.000	0.000
267	11/14/2017	13:47:52	0.000	0.000	0.000
268	11/14/2017	13:48:52	0.000	0.000	0.000
269	11/14/2017	13:49:52	0.000	0.000	0.000
270	11/14/2017	13:50:52	0.000	0.000	0.000
271	11/14/2017	13:51:52	0.000	0.000	0.000
272	11/14/2017	13:52:52	0.000	0.000	0.000
273	11/14/2017	13:53:52	0.000	0.000	0.000
274	11/14/2017	13:54:52	0.000	0.000	0.000
275	11/14/2017	13:55:52	0.000	0.000	0.000
276	11/14/2017	13:56:52	0.000	0.000	0.000

			Pine_24759_20180226		
277	11/14/2017	13:57:52	0.000	0.000	0.000
278	11/14/2017	13:58:52	0.000	0.000	0.000
279	11/14/2017	13:59:52	0.000	0.000	0.000
280	11/14/2017	14:00:52	0.000	0.000	0.000
281	11/14/2017	14:01:52	0.000	0.000	0.000
282	11/14/2017	14:02:52	0.000	0.000	0.000
283	11/14/2017	14:03:52	0.000	0.000	0.000
284	11/14/2017	14:04:52	0.000	0.000	0.000
285	11/14/2017	14:05:52	0.000	0.000	0.000
286	11/14/2017	14:06:52	0.000	0.000	0.000
287	11/14/2017	14:07:52	0.000	0.000	0.000
288	11/14/2017	14:08:52	0.000	0.000	0.000
289	11/14/2017	14:09:52	0.000	0.000	0.000
290	11/14/2017	14:10:52	0.000	0.000	0.000
291	11/14/2017	14:11:52	0.000	0.000	0.000
292	11/14/2017	14:12:52	0.000	0.000	0.000
293	11/14/2017	14:13:52	0.000	0.000	0.000
294	11/14/2017	14:14:52	0.000	0.000	0.000
295	11/14/2017	14:15:52	0.000	0.000	0.000
296	11/14/2017	14:16:52	0.000	0.000	0.000
297	11/14/2017	14:17:52	0.000	0.000	0.000
298	11/14/2017	14:18:52	0.000	0.000	0.000
299	11/14/2017	14:19:52	0.000	0.000	0.000
300	11/14/2017	14:20:52	0.000	0.000	0.000
301	11/14/2017	14:21:52	0.000	0.000	0.000
302	11/14/2017	14:22:52	0.000	0.000	0.000
303	11/14/2017	14:23:52	0.000	0.000	0.000
304	11/14/2017	14:24:52	0.000	0.000	0.000
305	11/14/2017	14:25:52	0.000	0.000	0.000
306	11/14/2017	14:26:52	0.000	0.000	0.000
307	11/14/2017	14:27:52	0.000	0.000	0.000
308	11/14/2017	14:28:52	0.000	0.000	0.000
309	11/14/2017	14:29:52	0.000	0.000	0.000
310	11/14/2017	14:30:52	0.000	0.000	0.000
311	11/14/2017	14:31:52	0.000	0.000	0.000
312	11/14/2017	14:32:52	0.000	0.000	0.000
313	11/14/2017	14:33:52	0.000	0.000	0.000
314	11/14/2017	14:34:52	0.000	0.000	0.000
315	11/14/2017	14:35:52	0.000	0.000	0.000
316	11/14/2017	14:36:52	0.000	0.000	0.000
317	11/14/2017	14:37:52	0.000	0.000	0.000
318	11/14/2017	14:38:52	0.000	0.000	0.000
319	11/14/2017	14:39:52	0.000	0.000	0.000
320	11/14/2017	14:40:52	0.000	0.000	0.000
321	11/14/2017	14:41:52	0.000	0.000	0.000
322	11/14/2017	14:42:52	0.000	0.000	0.000
323	11/14/2017	14:43:52	0.000	0.000	0.000
324	11/14/2017	14:44:52	0.000	0.000	0.000

			Pine_24759_20180226		
325	11/14/2017	14:45:52	0.000	0.000	0.000
326	11/14/2017	14:46:52	0.000	0.000	0.000
327	11/14/2017	14:47:52	0.000	0.000	0.000
328	11/14/2017	14:48:52	0.000	0.000	0.000
329	11/14/2017	14:49:52	0.000	0.000	0.000
330	11/14/2017	14:50:52	0.000	0.000	0.000
331	11/14/2017	14:51:52	0.000	0.000	0.000
332	11/14/2017	14:52:52	0.000	0.000	0.000
333	11/14/2017	14:53:52	0.000	0.000	0.000
334	11/14/2017	14:54:52	0.000	0.000	0.000
335	11/14/2017	14:55:52	0.000	0.000	0.000
336	11/14/2017	14:56:52	0.000	0.000	0.000
337	11/14/2017	14:57:52	0.000	0.000	0.000
338	11/14/2017	14:58:52	0.000	0.000	0.000
339	11/14/2017	14:59:52	0.000	0.000	0.000
340	11/14/2017	15:00:52	0.000	0.000	0.000
341	11/14/2017	15:01:52	0.000	0.000	0.000
342	11/14/2017	15:02:52	0.000	0.000	0.000
343	11/14/2017	15:03:52	0.000	0.000	0.000
344	11/14/2017	15:04:52	0.000	0.000	0.000
345	11/14/2017	15:05:52	0.000	0.000	0.000
346	11/14/2017	15:06:52	0.000	0.000	0.000
347	11/14/2017	15:07:52	0.000	0.000	0.000
348	11/14/2017	15:08:52	0.000	0.000	0.000
349	11/14/2017	15:09:52	0.000	0.000	0.000
350	11/14/2017	15:10:52	0.000	0.000	0.000
351	11/14/2017	15:11:52	0.000	0.000	0.000
352	11/14/2017	15:12:52	0.000	0.000	0.000
353	11/14/2017	15:13:52	0.000	0.000	0.000
354	11/14/2017	15:14:52	0.000	0.000	0.000
355	11/14/2017	15:15:52	0.000	0.000	0.000
356	11/14/2017	15:16:52	0.000	0.000	0.000
357	11/14/2017	15:17:52	0.000	0.000	0.000
358	11/14/2017	15:18:52	0.000	0.000	0.000
359	11/14/2017	15:19:52	0.000	0.000	0.000
360	11/14/2017	15:20:52	0.000	0.000	0.000
361	11/14/2017	15:21:52	0.000	0.000	0.000
362	11/14/2017	15:22:52	0.000	0.000	0.000
363	11/14/2017	15:23:52	0.000	0.000	0.000
364	11/14/2017	15:24:52	0.000	0.000	0.000
365	11/14/2017	15:25:52	0.000	0.000	0.000
366	11/14/2017	15:26:52	0.000	0.000	0.000
367	11/14/2017	15:27:52	0.000	0.000	0.000
368	11/14/2017	15:28:52	0.000	0.000	0.000
369	11/14/2017	15:29:52	0.000	0.000	0.000
370	11/14/2017	15:30:52	0.000	0.000	0.000
371	11/14/2017	15:31:52	0.000	0.000	0.000
372	11/14/2017	15:32:52	0.000	0.000	0.000

			Pine_24759_20180226		
373	11/14/2017	15:33:52	0.000	0.000	0.000
374	11/14/2017	15:34:52	0.000	0.000	0.000
375	11/14/2017	15:35:52	0.000	0.000	0.000
376	11/14/2017	15:36:52	0.000	0.000	0.000
377	11/14/2017	15:37:52	0.000	0.000	0.000
378	11/14/2017	15:38:52	0.000	0.000	0.000
379	11/14/2017	15:39:52	0.000	0.000	0.000
380	11/14/2017	15:40:52	0.000	0.000	0.000
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382	11/14/2017	15:42:52	0.000	0.000	0.000
383	11/14/2017	15:43:52	0.000	0.000	0.000
384	11/14/2017	15:44:52	0.000	0.000	0.000
385	11/14/2017	15:45:52	0.000	0.000	0.000
386	11/14/2017	15:46:52	0.000	0.000	0.000
387	11/14/2017	15:47:52	0.000	0.000	0.000
388	11/14/2017	15:48:52	0.000	0.000	0.000
389	11/14/2017	15:49:52	0.000	0.000	0.000
390	11/14/2017	15:50:52	0.000	0.000	0.000
391	11/14/2017	15:51:52	0.000	0.000	0.000
392	11/14/2017	15:52:52	0.000	0.000	0.000
393	11/14/2017	15:53:52	0.000	0.000	0.000
394	11/14/2017	15:54:52	0.000	0.000	0.000
395	11/14/2017	15:55:52	0.000	0.000	0.000
396	11/14/2017	15:56:52	0.000	0.000	0.000
397	11/14/2017	15:57:52	0.000	0.000	0.000
398	11/14/2017	15:58:52	0.000	0.000	0.000
399	11/14/2017	15:59:52	0.000	0.000	0.000
400	11/14/2017	16:00:52	0.000	0.000	0.000
401	11/14/2017	16:01:52	0.000	0.000	0.000
402	11/14/2017	16:02:52	0.000	0.000	0.000
403	11/14/2017	16:03:52	0.000	0.000	0.000
404	11/14/2017	16:04:52	0.000	0.000	0.000
405	11/14/2017	16:05:52	0.000	0.000	0.000
406	11/14/2017	16:06:52	0.000	0.000	0.000
407	11/14/2017	16:07:52	0.000	0.000	0.000
408	11/14/2017	16:08:52	0.000	0.000	0.000
409	11/14/2017	16:09:52	0.000	0.000	0.000
410	11/14/2017	16:10:52	0.000	0.000	0.000
411	11/14/2017	16:11:52	0.000	0.000	0.000
412	11/14/2017	16:12:52	0.000	0.000	0.000
413	11/14/2017	16:13:52	0.000	0.000	0.000
414	11/14/2017	16:14:52	0.000	0.000	0.000
415	11/14/2017	16:15:52	0.000	0.000	0.000
416	11/14/2017	16:16:52	0.000	0.000	0.000
417	11/14/2017	16:17:52	0.000	0.000	0.000
418	11/14/2017	16:18:52	0.000	0.000	0.000
419	11/14/2017	16:19:52	0.000	0.000	0.000
420	11/14/2017	16:20:52	0.000	0.000	0.000

			Pine_24759_20180226		
421	11/14/2017	16:21:52	0.000	0.000	0.000
422	11/14/2017	16:22:52	0.000	0.000	0.000
423	11/14/2017	16:23:52	0.000	0.000	0.000
424	11/14/2017	16:24:52	0.000	0.000	0.000
425	11/14/2017	16:25:52	0.000	0.000	0.000
426	11/14/2017	16:26:52	0.000	0.000	0.000
427	11/14/2017	16:27:52	0.000	0.000	0.000
428	11/14/2017	16:28:52	0.000	0.000	0.000
429	11/14/2017	16:29:52	0.000	0.000	0.000
430	11/14/2017	16:30:52	0.000	0.000	0.000
431	11/14/2017	16:31:52	0.000	0.000	0.000
432	11/14/2017	16:32:52	0.000	0.000	0.000
433	11/14/2017	16:33:52	0.000	0.000	0.000
434	11/14/2017	16:34:52	0.000	0.000	0.000
435	11/14/2017	16:35:52	0.000	0.000	0.000
436	11/14/2017	16:36:52	0.000	0.000	0.000
437	11/14/2017	16:37:52	0.000	0.000	0.000
438	11/14/2017	16:38:52	0.000	0.000	0.000
439	11/14/2017	16:39:52	0.000	0.000	0.000
440	11/14/2017	16:40:52	0.000	0.000	0.000
441	11/14/2017	16:41:52	0.000	0.000	0.000
442	11/14/2017	16:42:52	0.000	0.000	0.000
443	11/14/2017	16:43:52	0.000	0.000	0.000
444	11/14/2017	16:44:52	0.000	0.000	0.000
445	11/14/2017	16:45:52	0.000	0.000	0.000
446	11/14/2017	16:46:52	0.000	0.000	0.000
447	11/14/2017	16:47:52	0.000	0.000	0.000
448	11/14/2017	16:48:52	0.000	0.000	0.000
449	11/14/2017	16:49:52	0.000	0.000	0.000
450	11/14/2017	16:50:52	0.000	0.000	0.000
451	11/14/2017	16:51:52	0.000	0.000	0.000
452	11/14/2017	16:52:52	0.000	0.000	0.000
453	11/14/2017	16:53:52	0.000	0.000	0.000
454	11/14/2017	16:54:52	0.000	0.000	0.000
455	11/14/2017	16:55:52	0.000	0.000	0.000
456	11/14/2017	16:56:52	0.000	0.000	0.000
457	11/14/2017	16:57:52	0.000	0.000	0.000
458	11/14/2017	16:58:52	0.000	0.000	0.000
459	11/14/2017	16:59:52	0.000	0.000	0.000
460	11/14/2017	17:00:52	0.000	0.000	0.000
461	11/14/2017	17:01:52	0.000	0.000	0.000
462	11/14/2017	17:02:52	0.000	0.000	0.000
463	11/14/2017	17:03:52	0.000	0.000	0.000
464	11/14/2017	17:04:52	0.000	0.000	0.000
465	11/14/2017	17:05:52	0.000	0.000	0.000
466	11/14/2017	17:06:52	0.000	0.000	0.000
467	11/14/2017	17:07:52	0.000	0.000	0.000
468	11/14/2017	17:08:52	0.000	0.000	0.000

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Pine_24759_20180226
469      11/14/2017 17:09:52      0.000      0.000      0.000
470      11/14/2017 17:10:52      0.000      0.000      0.000
471      11/14/2017 17:11:52      0.000      0.000      0.000
472      11/14/2017 17:12:52      0.000      0.000      0.000
473      11/14/2017 17:13:52      0.000      0.000      0.000
474      11/14/2017 17:14:52      0.000      0.000      0.000
475      11/14/2017 17:15:52      0.000      0.000      0.000
476      11/14/2017 17:16:52      0.000      0.000      0.000
477      11/14/2017 17:17:52      0.000      0.000      0.000
478      11/14/2017 17:18:52      0.000      0.000      0.000
479      11/14/2017 17:19:52      0.000      0.000      0.000
480      11/14/2017 17:20:52      0.000      0.000      0.000
481      11/14/2017 17:21:52      0.000      0.000      0.000
482      11/14/2017 17:22:52      0.000      0.000      0.000
483      11/14/2017 17:23:52      0.000      0.000      0.000
484      11/14/2017 17:24:52      0.000      0.000      0.000
485      11/14/2017 17:25:52      0.000      0.000      0.000
486      11/14/2017 17:26:52      0.000      0.000      0.000
487      11/14/2017 17:27:52      0.000      0.000      0.000
488      11/14/2017 17:28:52      0.000      0.000      0.000
489      11/14/2017 17:29:52      0.000      0.000      0.000
490      11/14/2017 17:30:52      0.000      0.000      0.000
491      11/14/2017 17:31:52      0.000      0.000      0.000
492      11/14/2017 17:32:52      0.000      0.000      0.000
493      11/14/2017 17:33:52      0.000      0.000      0.000
494      11/14/2017 17:34:52      0.000      0.000      0.000
495      11/14/2017 17:35:52      0.000      0.000      0.000
496      11/14/2017 17:36:52      0.000      0.000      0.000
Peak              0.000      0.000      0.000
Min               0.000      0.000      0.000
Average           0.000      0.000      0.000

```

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=====
17/11/15 08:56
*****

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Summary

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-----
Unit Name      MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver      V1.20

```

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

```

Pine_24759_20180226

Site ID RAE00000

User ID 00000001

Begin 11/15/2017 08:56:37

End 11/15/2017 16:46:16

Sample Period(s) 60

Number of Records 469

Sensor VOC(ppm)

Span 100.000

Span 2 N/A

Low Alarm 50.000

High Alarm 100.000

Over Alarm 15000.000

STEL Alarm 25.000

TWA Alarm 10.000

Measurement Gas Isobutylene

Calibration Time 11/3/2017 08:06

Peak N/A

Min N/A

Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	11/15/2017 08:57:37	0.000	0.000	0.000	0.000
002	11/15/2017 08:58:37	0.000	0.000	0.000	0.000
003	11/15/2017 08:59:37	0.000	0.000	0.000	0.000
004	11/15/2017 09:00:37	0.000	0.000	0.000	0.000
005	11/15/2017 09:01:37	0.000	0.000	0.000	0.000
006	11/15/2017 09:02:37	0.000	0.000	0.000	0.000
007	11/15/2017 09:03:37	0.000	0.000	0.000	0.000
008	11/15/2017 09:04:37	0.000	0.000	0.000	0.000
009	11/15/2017 09:05:37	0.000	0.000	0.000	0.000
010	11/15/2017 09:06:37	0.000	0.000	0.000	0.000
011	11/15/2017 09:07:37	0.000	0.000	0.000	0.000
012	11/15/2017 09:08:37	0.000	0.000	0.000	0.000
013	11/15/2017 09:09:37	0.000	0.000	0.000	0.000
014	11/15/2017 09:10:37	0.000	0.000	0.000	0.000
015	11/15/2017 09:11:37	0.000	0.000	0.000	0.000
016	11/15/2017 09:12:37	0.000	0.000	0.000	0.000
017	11/15/2017 09:13:37	0.000	0.000	0.000	0.000
018	11/15/2017 09:14:37	0.000	0.000	0.000	0.000
019	11/15/2017 09:15:37	0.000	0.000	0.000	0.000
020	11/15/2017 09:16:37	0.000	0.000	0.000	0.000
021	11/15/2017 09:17:37	0.000	0.000	0.000	0.000
022	11/15/2017 09:18:37	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
023	11/15/2017	09:19:37	0.000	0.000	0.000
024	11/15/2017	09:20:37	0.000	0.000	0.000
025	11/15/2017	09:21:37	0.000	0.000	0.000
026	11/15/2017	09:22:37	0.000	0.000	0.000
027	11/15/2017	09:23:37	0.000	0.000	0.000
028	11/15/2017	09:24:37	0.000	0.000	0.000
029	11/15/2017	09:25:37	0.000	0.000	0.000
030	11/15/2017	09:26:37	0.000	0.000	0.000
031	11/15/2017	09:27:37	0.000	0.000	0.000
032	11/15/2017	09:28:37	0.000	0.000	0.000
033	11/15/2017	09:29:37	0.000	0.000	0.000
034	11/15/2017	09:30:37	0.000	0.000	0.000
035	11/15/2017	09:31:37	0.000	0.000	0.000
036	11/15/2017	09:32:37	0.000	0.000	0.000
037	11/15/2017	09:33:37	0.000	0.000	0.000
038	11/15/2017	09:34:37	0.000	0.000	0.000
039	11/15/2017	09:35:37	0.000	0.000	0.000
040	11/15/2017	09:36:37	0.000	0.000	0.000
041	11/15/2017	09:37:37	0.000	0.000	0.000
042	11/15/2017	09:38:37	0.000	0.000	0.000
043	11/15/2017	09:39:37	0.000	0.000	0.000
044	11/15/2017	09:40:37	0.000	0.000	0.000
045	11/15/2017	09:41:37	0.000	0.000	0.000
046	11/15/2017	09:42:37	0.000	0.000	0.000
047	11/15/2017	09:43:37	0.000	0.000	0.000
048	11/15/2017	09:44:37	0.000	0.000	0.000
049	11/15/2017	09:45:37	0.000	0.000	0.000
050	11/15/2017	09:46:37	0.000	0.000	0.000
051	11/15/2017	09:47:37	0.000	0.000	0.000
052	11/15/2017	09:48:37	0.000	0.000	0.000
053	11/15/2017	09:49:37	0.000	0.000	0.000
054	11/15/2017	09:50:37	0.000	0.000	0.000
055	11/15/2017	09:51:37	0.000	0.000	0.000
056	11/15/2017	09:52:37	0.000	0.000	0.000
057	11/15/2017	09:53:37	0.000	0.000	0.000
058	11/15/2017	09:54:37	0.000	0.000	0.000
059	11/15/2017	09:55:37	0.000	0.000	0.000
060	11/15/2017	09:56:37	0.000	0.000	0.000
061	11/15/2017	09:57:37	0.000	0.000	0.000
062	11/15/2017	09:58:37	0.000	0.000	0.000
063	11/15/2017	09:59:37	0.000	0.000	0.000
064	11/15/2017	10:00:37	0.000	0.000	0.000
065	11/15/2017	10:01:37	0.000	0.000	0.000
066	11/15/2017	10:02:37	0.000	0.000	0.000
067	11/15/2017	10:03:37	0.000	0.000	0.000
068	11/15/2017	10:04:37	0.000	0.000	0.000
069	11/15/2017	10:05:37	0.000	0.000	0.000
070	11/15/2017	10:06:37	0.000	0.000	0.000

			Pine_24759_20180226		
071	11/15/2017	10:07:37	0.000	0.000	0.000
072	11/15/2017	10:08:37	0.000	0.000	0.001
073	11/15/2017	10:09:37	0.000	0.000	0.000
074	11/15/2017	10:10:37	0.000	0.000	0.000
075	11/15/2017	10:11:37	0.000	0.006	0.087
076	11/15/2017	10:12:37	0.000	0.000	0.000
077	11/15/2017	10:13:37	0.000	0.000	0.000
078	11/15/2017	10:14:37	0.000	0.000	0.000
079	11/15/2017	10:15:37	0.000	0.000	0.000
080	11/15/2017	10:16:37	0.000	0.000	0.000
081	11/15/2017	10:17:37	0.000	0.000	0.000
082	11/15/2017	10:18:37	0.000	0.000	0.000
083	11/15/2017	10:19:37	0.000	0.000	0.000
084	11/15/2017	10:20:37	0.000	0.000	0.000
085	11/15/2017	10:21:37	0.000	0.000	0.000
086	11/15/2017	10:22:37	0.000	0.000	0.000
087	11/15/2017	10:23:37	0.000	0.000	0.000
088	11/15/2017	10:24:37	0.000	0.000	0.000
089	11/15/2017	10:25:37	0.000	0.000	0.000
090	11/15/2017	10:26:37	0.000	0.000	0.000
091	11/15/2017	10:27:37	0.000	0.000	0.000
092	11/15/2017	10:28:37	0.000	0.000	0.000
093	11/15/2017	10:29:37	0.000	0.000	0.000
094	11/15/2017	10:30:37	0.000	0.000	0.000
095	11/15/2017	10:31:37	0.000	0.000	0.000
096	11/15/2017	10:32:37	0.000	0.000	0.000
097	11/15/2017	10:33:37	0.000	0.000	0.000
098	11/15/2017	10:34:37	0.000	0.000	0.000
099	11/15/2017	10:35:37	0.000	0.000	0.000
100	11/15/2017	10:36:37	0.000	0.000	0.000
101	11/15/2017	10:37:37	0.000	0.000	0.000
102	11/15/2017	10:38:37	0.000	0.000	0.000
103	11/15/2017	10:39:37	0.000	0.000	0.000
104	11/15/2017	10:40:37	0.000	0.000	0.000
105	11/15/2017	10:41:37	0.000	0.000	0.000
106	11/15/2017	10:42:37	0.000	0.000	0.000
107	11/15/2017	10:43:37	0.000	0.000	0.000
108	11/15/2017	10:44:37	0.000	0.000	0.000
109	11/15/2017	10:45:37	0.000	0.000	0.000
110	11/15/2017	10:46:37	0.000	0.000	0.000
111	11/15/2017	10:47:37	0.000	0.000	0.000
112	11/15/2017	10:48:37	0.000	0.000	0.000
113	11/15/2017	10:49:37	0.000	0.000	0.000
114	11/15/2017	10:50:37	0.000	0.000	0.000
115	11/15/2017	10:51:37	0.000	0.000	0.000
116	11/15/2017	10:52:37	0.000	0.000	0.000
117	11/15/2017	10:53:37	0.000	0.000	0.000
118	11/15/2017	10:54:37	0.000	0.000	0.000

			Pine_24759_20180226		
119	11/15/2017	10:55:37	0.000	0.000	0.000
120	11/15/2017	10:56:37	0.000	0.000	0.000
121	11/15/2017	10:57:37	0.000	0.000	0.000
122	11/15/2017	10:58:37	0.000	0.000	0.000
123	11/15/2017	10:59:37	0.000	0.000	0.000
124	11/15/2017	11:00:37	0.000	0.000	0.000
125	11/15/2017	11:01:37	0.000	0.000	0.000
126	11/15/2017	11:02:37	0.000	0.000	0.000
127	11/15/2017	11:03:37	0.000	0.000	0.000
128	11/15/2017	11:04:37	0.000	0.000	0.000
129	11/15/2017	11:05:37	0.000	0.000	0.000
130	11/15/2017	11:06:37	0.000	0.000	0.000
131	11/15/2017	11:07:37	0.000	0.000	0.000
132	11/15/2017	11:08:37	0.000	0.000	0.000
133	11/15/2017	11:09:37	0.000	0.000	0.000
134	11/15/2017	11:10:37	0.000	0.000	0.000
135	11/15/2017	11:11:37	0.000	0.000	0.000
136	11/15/2017	11:12:37	0.000	0.000	0.000
137	11/15/2017	11:13:37	0.000	0.000	0.000
138	11/15/2017	11:14:37	0.000	0.000	0.000
139	11/15/2017	11:15:37	0.000	0.000	0.000
140	11/15/2017	11:16:37	0.000	0.000	0.000
141	11/15/2017	11:17:37	0.000	0.000	0.000
142	11/15/2017	11:18:37	0.000	0.000	0.000
143	11/15/2017	11:19:37	0.000	0.000	0.000
144	11/15/2017	11:20:37	0.000	0.000	0.000
145	11/15/2017	11:21:37	0.000	0.000	0.000
146	11/15/2017	11:22:37	0.000	0.000	0.000
147	11/15/2017	11:23:37	0.000	0.000	0.000
148	11/15/2017	11:24:37	0.000	0.000	0.000
149	11/15/2017	11:25:37	0.000	0.000	0.000
150	11/15/2017	11:26:37	0.000	0.000	0.000
151	11/15/2017	11:27:37	0.000	0.000	0.000
152	11/15/2017	11:28:37	0.000	0.000	0.000
153	11/15/2017	11:29:37	0.000	0.000	0.000
154	11/15/2017	11:30:37	0.000	0.000	0.000
155	11/15/2017	11:31:37	0.000	0.000	0.000
156	11/15/2017	11:32:37	0.000	0.000	0.000
157	11/15/2017	11:33:37	0.000	0.000	0.000
158	11/15/2017	11:34:37	0.000	0.000	0.000
159	11/15/2017	11:35:37	0.000	0.000	0.000
160	11/15/2017	11:36:37	0.000	0.000	0.000
161	11/15/2017	11:37:37	0.000	0.000	0.000
162	11/15/2017	11:38:37	0.000	0.000	0.000
163	11/15/2017	11:39:37	0.000	0.000	0.000
164	11/15/2017	11:40:37	0.000	0.000	0.000
165	11/15/2017	11:41:37	0.000	0.000	0.000
166	11/15/2017	11:42:37	0.000	0.000	0.000

			Pine_24759_20180226		
167	11/15/2017	11:43:37	0.000	0.000	0.000
168	11/15/2017	11:44:37	0.000	0.000	0.000
169	11/15/2017	11:45:37	0.000	0.000	0.000
170	11/15/2017	11:46:37	0.000	0.000	0.000
171	11/15/2017	11:47:37	0.000	0.000	0.000
172	11/15/2017	11:48:37	0.000	0.000	0.000
173	11/15/2017	11:49:37	0.000	0.000	0.000
174	11/15/2017	11:50:37	0.000	0.000	0.000
175	11/15/2017	11:51:37	0.000	0.000	0.000
176	11/15/2017	11:52:37	0.000	0.000	0.000
177	11/15/2017	11:53:37	0.000	0.000	0.000
178	11/15/2017	11:54:37	0.000	0.000	0.000
179	11/15/2017	11:55:37	0.000	0.000	0.000
180	11/15/2017	11:56:37	0.000	0.000	0.000
181	11/15/2017	11:57:37	0.000	0.000	0.000
182	11/15/2017	11:58:37	0.000	0.000	0.000
183	11/15/2017	11:59:37	0.000	0.000	0.000
184	11/15/2017	12:00:37	0.000	0.000	0.000
185	11/15/2017	12:01:37	0.000	0.000	0.000
186	11/15/2017	12:02:37	0.000	0.000	0.000
187	11/15/2017	12:03:37	0.000	0.000	0.000
188	11/15/2017	12:04:37	0.000	0.000	0.000
189	11/15/2017	12:05:37	0.000	0.000	0.000
190	11/15/2017	12:06:37	0.000	0.000	0.000
191	11/15/2017	12:07:37	0.000	0.000	0.000
192	11/15/2017	12:08:37	0.000	0.000	0.000
193	11/15/2017	12:09:37	0.000	0.000	0.000
194	11/15/2017	12:10:37	0.000	0.000	0.000
195	11/15/2017	12:11:37	0.000	0.000	0.000
196	11/15/2017	12:12:37	0.000	0.000	0.000
197	11/15/2017	12:13:37	0.000	0.000	0.000
198	11/15/2017	12:14:37	0.000	0.000	0.000
199	11/15/2017	12:15:37	0.000	0.000	0.000
200	11/15/2017	12:16:37	0.000	0.000	0.000
201	11/15/2017	12:17:37	0.000	0.000	0.000
202	11/15/2017	12:18:37	0.000	0.000	0.000
203	11/15/2017	12:19:37	0.000	0.000	0.000
204	11/15/2017	12:20:37	0.000	0.000	0.000
205	11/15/2017	12:21:37	0.000	0.000	0.000
206	11/15/2017	12:22:37	0.000	0.000	0.000
207	11/15/2017	12:23:37	0.000	0.000	0.000
208	11/15/2017	12:24:37	0.000	0.000	0.000
209	11/15/2017	12:25:37	0.000	0.000	0.000
210	11/15/2017	12:26:37	0.000	0.000	0.000
211	11/15/2017	12:27:37	0.000	0.000	0.000
212	11/15/2017	12:28:37	0.000	0.000	0.000
213	11/15/2017	12:29:37	0.000	0.000	0.000
214	11/15/2017	12:30:37	0.000	0.000	0.000

			Pine_24759_20180226		
215	11/15/2017	12:31:37	0.000	0.000	0.000
216	11/15/2017	12:32:37	0.000	0.000	0.000
217	11/15/2017	12:33:37	0.000	0.000	0.000
218	11/15/2017	12:34:37	0.000	0.000	0.000
219	11/15/2017	12:35:37	0.000	0.000	0.000
220	11/15/2017	12:36:37	0.000	0.000	0.000
221	11/15/2017	12:37:37	0.000	0.000	0.000
222	11/15/2017	12:38:37	0.000	0.000	0.000
223	11/15/2017	12:39:37	0.000	0.000	0.000
224	11/15/2017	12:40:37	0.000	0.000	0.000
225	11/15/2017	12:41:37	0.000	0.000	0.000
226	11/15/2017	12:42:37	0.000	0.000	0.000
227	11/15/2017	12:43:37	0.000	0.000	0.000
228	11/15/2017	12:44:37	0.000	0.000	0.000
229	11/15/2017	12:45:37	0.000	0.000	0.000
230	11/15/2017	12:46:37	0.000	0.000	0.000
231	11/15/2017	12:47:37	0.000	0.000	0.000
232	11/15/2017	12:48:37	0.000	0.000	0.000
233	11/15/2017	12:49:37	0.000	0.000	0.000
234	11/15/2017	12:50:37	0.000	0.000	0.000
235	11/15/2017	12:51:37	0.000	0.000	0.000
236	11/15/2017	12:52:37	0.000	0.000	0.000
237	11/15/2017	12:53:37	0.000	0.000	0.000
238	11/15/2017	12:54:37	0.000	0.000	0.000
239	11/15/2017	12:55:37	0.000	0.000	0.000
240	11/15/2017	12:56:37	0.000	0.000	0.000
241	11/15/2017	12:57:37	0.000	0.000	0.000
242	11/15/2017	12:58:37	0.000	0.000	0.000
243	11/15/2017	12:59:37	0.000	0.000	0.000
244	11/15/2017	13:00:37	0.000	0.000	0.000
245	11/15/2017	13:01:37	0.000	0.000	0.000
246	11/15/2017	13:02:37	0.000	0.000	0.000
247	11/15/2017	13:03:37	0.000	0.000	0.000
248	11/15/2017	13:04:37	0.000	0.000	0.000
249	11/15/2017	13:05:37	0.000	0.000	0.000
250	11/15/2017	13:06:37	0.000	0.000	0.000
251	11/15/2017	13:07:37	0.000	0.000	0.000
252	11/15/2017	13:08:37	0.000	0.000	0.000
253	11/15/2017	13:09:37	0.000	0.000	0.000
254	11/15/2017	13:10:37	0.000	0.000	0.000
255	11/15/2017	13:11:37	0.000	0.000	0.000
256	11/15/2017	13:12:37	0.000	0.000	0.000
257	11/15/2017	13:13:37	0.000	0.000	0.000
258	11/15/2017	13:14:37	0.000	0.000	0.000
259	11/15/2017	13:15:37	0.000	0.000	0.000
260	11/15/2017	13:16:37	0.000	0.000	0.000
261	11/15/2017	13:17:37	0.000	0.000	0.000
262	11/15/2017	13:18:37	0.000	0.000	0.000

			Pine_24759_20180226		
263	11/15/2017	13:19:37	0.000	0.000	0.000
264	11/15/2017	13:20:37	0.000	0.000	0.000
265	11/15/2017	13:21:37	0.000	0.000	0.000
266	11/15/2017	13:22:37	0.000	0.000	0.000
267	11/15/2017	13:23:37	0.000	0.000	0.000
268	11/15/2017	13:24:37	0.000	0.000	0.000
269	11/15/2017	13:25:37	0.000	0.000	0.000
270	11/15/2017	13:26:37	0.000	0.000	0.000
271	11/15/2017	13:27:37	0.000	0.000	0.000
272	11/15/2017	13:28:37	0.000	0.000	0.000
273	11/15/2017	13:29:37	0.000	0.000	0.000
274	11/15/2017	13:30:37	0.000	0.000	0.000
275	11/15/2017	13:31:37	0.000	0.000	0.000
276	11/15/2017	13:32:37	0.000	0.000	0.000
277	11/15/2017	13:33:37	0.000	0.000	0.000
278	11/15/2017	13:34:37	0.000	0.000	0.000
279	11/15/2017	13:35:37	0.000	0.000	0.000
280	11/15/2017	13:36:37	0.000	0.000	0.000
281	11/15/2017	13:37:37	0.000	0.000	0.000
282	11/15/2017	13:38:37	0.000	0.000	0.000
283	11/15/2017	13:39:37	0.000	0.000	0.000
284	11/15/2017	13:40:37	0.000	0.000	0.000
285	11/15/2017	13:41:37	0.000	0.000	0.000
286	11/15/2017	13:42:37	0.000	0.000	0.000
287	11/15/2017	13:43:37	0.000	0.000	0.000
288	11/15/2017	13:44:37	0.000	0.000	0.000
289	11/15/2017	13:45:37	0.000	0.000	0.000
290	11/15/2017	13:46:37	0.000	0.000	0.000
291	11/15/2017	13:47:37	0.000	0.000	0.000
292	11/15/2017	13:48:37	0.000	0.000	0.000
293	11/15/2017	13:49:37	0.000	0.000	0.000
294	11/15/2017	13:50:37	0.000	0.000	0.000
295	11/15/2017	13:51:37	0.000	0.000	0.000
296	11/15/2017	13:52:37	0.000	0.000	0.000
297	11/15/2017	13:53:37	0.000	0.000	0.000
298	11/15/2017	13:54:37	0.000	0.000	0.000
299	11/15/2017	13:55:37	0.000	0.000	0.000
300	11/15/2017	13:56:37	0.000	0.000	0.000
301	11/15/2017	13:57:37	0.000	0.000	0.000
302	11/15/2017	13:58:37	0.000	0.000	0.000
303	11/15/2017	13:59:37	0.000	0.000	0.000
304	11/15/2017	14:00:37	0.000	0.000	0.000
305	11/15/2017	14:01:37	0.000	0.000	0.000
306	11/15/2017	14:02:37	0.000	0.000	0.000
307	11/15/2017	14:03:37	0.000	0.000	0.000
308	11/15/2017	14:04:37	0.000	0.000	0.000
309	11/15/2017	14:05:37	0.000	0.000	0.000
310	11/15/2017	14:06:37	0.000	0.000	0.000

			Pine_24759_20180226		
311	11/15/2017	14:07:37	0.000	0.000	0.000
312	11/15/2017	14:08:37	0.000	0.000	0.000
313	11/15/2017	14:09:37	0.000	0.000	0.000
314	11/15/2017	14:10:37	0.000	0.000	0.000
315	11/15/2017	14:11:37	0.000	0.000	0.000
316	11/15/2017	14:12:37	0.000	0.000	0.000
317	11/15/2017	14:13:37	0.000	0.000	0.000
318	11/15/2017	14:14:37	0.000	0.000	0.000
319	11/15/2017	14:15:37	0.000	0.000	0.000
320	11/15/2017	14:16:37	0.000	0.000	0.000
321	11/15/2017	14:17:37	0.000	0.000	0.000
322	11/15/2017	14:18:37	0.000	0.000	0.000
323	11/15/2017	14:19:37	0.000	0.000	0.000
324	11/15/2017	14:20:37	0.000	0.000	0.000
325	11/15/2017	14:21:37	0.000	0.000	0.000
326	11/15/2017	14:22:37	0.000	0.000	0.000
327	11/15/2017	14:23:37	0.000	0.000	0.000
328	11/15/2017	14:24:37	0.000	0.000	0.000
329	11/15/2017	14:25:37	0.000	0.000	0.000
330	11/15/2017	14:26:37	0.000	0.000	0.000
331	11/15/2017	14:27:37	0.000	0.000	0.000
332	11/15/2017	14:28:37	0.000	0.000	0.000
333	11/15/2017	14:29:37	0.000	0.000	0.000
334	11/15/2017	14:30:37	0.000	0.000	0.000
335	11/15/2017	14:31:37	0.000	0.000	0.000
336	11/15/2017	14:32:37	0.000	0.000	0.000
337	11/15/2017	14:33:37	0.000	0.000	0.000
338	11/15/2017	14:34:37	0.000	0.000	0.000
339	11/15/2017	14:35:37	0.000	0.000	0.000
340	11/15/2017	14:36:37	0.000	0.000	0.000
341	11/15/2017	14:37:37	0.000	0.000	0.000
342	11/15/2017	14:38:37	0.000	0.000	0.000
343	11/15/2017	14:39:37	0.000	0.000	0.000
344	11/15/2017	14:40:37	0.000	0.000	0.000
345	11/15/2017	14:41:37	0.000	0.000	0.000
346	11/15/2017	14:42:37	0.000	0.000	0.000
347	11/15/2017	14:43:37	0.000	0.000	0.000
348	11/15/2017	14:44:37	0.000	0.000	0.000
349	11/15/2017	14:45:37	0.000	0.000	0.000
350	11/15/2017	14:46:37	0.000	0.000	0.000
351	11/15/2017	14:47:37	0.000	0.000	0.000
352	11/15/2017	14:48:37	0.000	0.000	0.000
353	11/15/2017	14:49:37	0.000	0.000	0.000
354	11/15/2017	14:50:37	0.000	0.000	0.000
355	11/15/2017	14:51:37	0.000	0.000	0.000
356	11/15/2017	14:52:37	0.000	0.000	0.000
357	11/15/2017	14:53:37	0.000	0.000	0.000
358	11/15/2017	14:54:37	0.000	0.000	0.000

			Pine_24759_20180226		
359	11/15/2017	14:55:37	0.000	0.000	0.000
360	11/15/2017	14:56:37	0.000	0.000	0.000
361	11/15/2017	14:57:37	0.000	0.000	0.000
362	11/15/2017	14:58:37	0.000	0.000	0.000
363	11/15/2017	14:59:37	0.000	0.000	0.000
364	11/15/2017	15:00:37	0.000	0.000	0.000
365	11/15/2017	15:01:37	0.000	0.000	0.000
366	11/15/2017	15:02:37	0.000	0.000	0.000
367	11/15/2017	15:03:37	0.000	0.000	0.000
368	11/15/2017	15:04:37	0.000	0.000	0.000
369	11/15/2017	15:05:37	0.000	0.000	0.000
370	11/15/2017	15:06:37	0.000	0.000	0.000
371	11/15/2017	15:07:37	0.000	0.000	0.000
372	11/15/2017	15:08:37	0.000	0.000	0.000
373	11/15/2017	15:09:37	0.000	0.000	0.000
374	11/15/2017	15:10:37	0.000	0.000	0.000
375	11/15/2017	15:11:37	0.000	0.000	0.000
376	11/15/2017	15:12:37	0.000	0.000	0.000
377	11/15/2017	15:13:37	0.000	0.000	0.000
378	11/15/2017	15:14:37	0.000	0.000	0.000
379	11/15/2017	15:15:37	0.000	0.000	0.000
380	11/15/2017	15:16:37	0.000	0.000	0.000
381	11/15/2017	15:17:37	0.000	0.000	0.000
382	11/15/2017	15:18:37	0.000	0.000	0.000
383	11/15/2017	15:19:37	0.000	0.000	0.000
384	11/15/2017	15:20:37	0.000	0.000	0.000
385	11/15/2017	15:21:37	0.000	0.000	0.000
386	11/15/2017	15:22:37	0.000	0.000	0.000
387	11/15/2017	15:23:37	0.000	0.000	0.000
388	11/15/2017	15:24:37	0.000	0.000	0.000
389	11/15/2017	15:25:37	0.000	0.000	0.000
390	11/15/2017	15:26:37	0.000	0.000	0.000
391	11/15/2017	15:27:37	0.000	0.000	0.000
392	11/15/2017	15:28:37	0.000	0.000	0.000
393	11/15/2017	15:29:37	0.000	0.000	0.000
394	11/15/2017	15:30:37	0.000	0.000	0.000
395	11/15/2017	15:31:37	0.000	0.000	0.000
396	11/15/2017	15:32:37	0.000	0.000	0.000
397	11/15/2017	15:33:37	0.000	0.000	0.000
398	11/15/2017	15:34:37	0.000	0.000	0.000
399	11/15/2017	15:35:37	0.000	0.000	0.000
400	11/15/2017	15:36:37	0.000	0.000	0.000
401	11/15/2017	15:37:37	0.000	0.000	0.000
402	11/15/2017	15:38:37	0.000	0.000	0.000
403	11/15/2017	15:39:37	0.000	0.000	0.000
404	11/15/2017	15:40:37	0.000	0.000	0.000
405	11/15/2017	15:41:37	0.000	0.000	0.000
406	11/15/2017	15:42:37	0.000	0.000	0.000

			Pine_24759_20180226		
407	11/15/2017	15:43:37	0.000	0.000	0.000
408	11/15/2017	15:44:37	0.000	0.000	0.000
409	11/15/2017	15:45:37	0.000	0.000	0.000
410	11/15/2017	15:46:37	0.000	0.000	0.000
411	11/15/2017	15:47:37	0.000	0.000	0.000
412	11/15/2017	15:48:37	0.000	0.000	0.000
413	11/15/2017	15:49:37	0.000	0.000	0.000
414	11/15/2017	15:50:37	0.000	0.000	0.000
415	11/15/2017	15:51:37	0.000	0.000	0.000
416	11/15/2017	15:52:37	0.000	0.000	0.000
417	11/15/2017	15:53:37	0.000	0.000	0.000
418	11/15/2017	15:54:37	0.000	0.000	0.000
419	11/15/2017	15:55:37	0.000	0.000	0.000
420	11/15/2017	15:56:37	0.000	0.000	0.000
421	11/15/2017	15:57:37	0.000	0.000	0.000
422	11/15/2017	15:58:37	0.000	0.000	0.000
423	11/15/2017	15:59:37	0.000	0.000	0.000
424	11/15/2017	16:00:37	0.000	0.000	0.000
425	11/15/2017	16:01:37	0.000	0.000	0.000
426	11/15/2017	16:02:37	0.000	0.000	0.000
427	11/15/2017	16:03:37	0.000	0.000	0.000
428	11/15/2017	16:04:37	0.000	0.000	0.000
429	11/15/2017	16:05:37	0.000	0.000	0.000
430	11/15/2017	16:06:37	0.000	0.000	0.000
431	11/15/2017	16:07:37	0.000	0.000	0.000
432	11/15/2017	16:08:37	0.000	0.000	0.000
433	11/15/2017	16:09:37	0.000	0.000	0.000
434	11/15/2017	16:10:37	0.000	0.000	0.000
435	11/15/2017	16:11:37	0.000	0.000	0.000
436	11/15/2017	16:12:37	0.000	0.000	0.000
437	11/15/2017	16:13:37	0.000	0.000	0.000
438	11/15/2017	16:14:37	0.000	0.000	0.000
439	11/15/2017	16:15:37	0.000	0.000	0.000
440	11/15/2017	16:16:37	0.000	0.000	0.000
441	11/15/2017	16:17:37	0.000	0.000	0.000
442	11/15/2017	16:18:37	0.000	0.000	0.000
443	11/15/2017	16:19:37	0.000	0.000	0.000
444	11/15/2017	16:20:37	0.000	0.000	0.000
445	11/15/2017	16:21:37	0.000	0.000	0.000
446	11/15/2017	16:22:37	0.000	0.000	0.000
447	11/15/2017	16:23:37	0.000	0.000	0.000
448	11/15/2017	16:24:37	0.000	0.000	0.000
449	11/15/2017	16:25:37	0.000	0.000	0.000
450	11/15/2017	16:26:37	0.000	0.000	0.000
451	11/15/2017	16:27:37	0.000	0.000	0.000
452	11/15/2017	16:28:37	0.000	0.000	0.000
453	11/15/2017	16:29:37	0.000	0.000	0.000
454	11/15/2017	16:30:37	0.000	0.000	0.000

			Pine_24759_20180226		
455	11/15/2017	16:31:37	0.000	0.000	0.000
456	11/15/2017	16:32:37	0.000	0.000	0.000
457	11/15/2017	16:33:37	0.000	0.000	0.000
458	11/15/2017	16:34:37	0.000	0.000	0.000
459	11/15/2017	16:35:37	0.000	0.000	0.000
460	11/15/2017	16:36:37	0.000	0.000	0.000
461	11/15/2017	16:37:37	0.000	0.000	0.000
462	11/15/2017	16:38:37	0.000	0.000	0.000
463	11/15/2017	16:39:37	0.000	0.000	0.000
464	11/15/2017	16:40:37	0.000	0.000	0.000
465	11/15/2017	16:41:37	0.000	0.000	0.000
466	11/15/2017	16:42:37	0.000	0.000	0.000
467	11/15/2017	16:43:37	0.000	0.000	0.000
468	11/15/2017	16:44:37	0.000	0.000	0.000
469	11/15/2017	16:45:37	0.000	0.000	0.000
Peak		0.000	0.006	0.087	
Min		0.000	0.000	0.000	
Average		0.000	0.000	0.000	

=====

17/11/16 08:52

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID 00000001

Begin 11/16/2017 08:52:43

End 11/16/2017 17:34:39

Sample Period(s) 60

Number of Records 521

Sensor VOC(ppm)

Span 100.000

Span 2 N/A

Low Alarm 50.000

High Alarm 100.000

Pine_24759_20180226

Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	11/16/2017 08:53:43	0.000	0.000	0.000	0.000
002	11/16/2017 08:54:43	0.000	0.000	0.000	0.000
003	11/16/2017 08:55:43	0.000	0.000	0.000	0.000
004	11/16/2017 08:56:43	0.000	0.000	0.000	0.000
005	11/16/2017 08:57:43	0.000	0.000	0.000	0.000
006	11/16/2017 08:58:43	0.000	0.000	0.000	0.000
007	11/16/2017 08:59:43	0.000	0.000	0.000	0.000
008	11/16/2017 09:00:43	0.000	0.000	0.000	0.000
009	11/16/2017 09:01:43	0.000	0.000	0.000	0.000
010	11/16/2017 09:02:43	0.000	0.000	0.000	0.000
011	11/16/2017 09:03:43	0.000	0.000	0.000	0.000
012	11/16/2017 09:04:43	0.000	0.000	0.000	0.000
013	11/16/2017 09:05:43	0.000	0.000	0.000	0.000
014	11/16/2017 09:06:43	0.000	0.000	0.000	0.000
015	11/16/2017 09:07:43	0.000	0.000	0.000	0.000
016	11/16/2017 09:08:43	0.000	0.000	0.000	0.000
017	11/16/2017 09:09:43	0.000	0.000	0.005	0.073
018	11/16/2017 09:10:43	0.000	0.000	0.000	0.000
019	11/16/2017 09:11:43	0.000	0.000	0.000	0.000
020	11/16/2017 09:12:43	0.000	0.000	0.000	0.000
021	11/16/2017 09:13:43	0.000	0.000	0.000	0.000
022	11/16/2017 09:14:43	0.000	0.000	0.000	0.000
023	11/16/2017 09:15:43	0.000	0.000	0.000	0.000
024	11/16/2017 09:16:43	0.000	0.000	0.000	0.000
025	11/16/2017 09:17:43	0.000	0.000	0.000	0.000
026	11/16/2017 09:18:43	0.000	0.000	0.000	0.000
027	11/16/2017 09:19:43	0.000	0.000	0.000	0.000
028	11/16/2017 09:20:43	0.000	0.000	0.000	0.000
029	11/16/2017 09:21:43	0.000	0.000	0.000	0.000
030	11/16/2017 09:22:43	0.000	0.000	0.000	0.000
031	11/16/2017 09:23:43	0.000	0.000	0.000	0.000
032	11/16/2017 09:24:43	0.000	0.000	0.000	0.000
033	11/16/2017 09:25:43	0.000	0.000	0.000	0.000
034	11/16/2017 09:26:43	0.000	0.000	0.000	0.000
035	11/16/2017 09:27:43	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
036	11/16/2017	09:28:43	0.000	0.000	0.000
037	11/16/2017	09:29:43	0.000	0.000	0.000
038	11/16/2017	09:30:43	0.000	0.000	0.000
039	11/16/2017	09:31:43	0.000	0.000	0.000
040	11/16/2017	09:32:43	0.000	0.000	0.000
041	11/16/2017	09:33:43	0.000	0.000	0.000
042	11/16/2017	09:34:43	0.000	0.000	0.000
043	11/16/2017	09:35:43	0.000	0.000	0.000
044	11/16/2017	09:36:43	0.000	0.000	0.000
045	11/16/2017	09:37:43	0.000	0.000	0.000
046	11/16/2017	09:38:43	0.000	0.000	0.000
047	11/16/2017	09:39:43	0.000	0.000	0.000
048	11/16/2017	09:40:43	0.000	0.000	0.000
049	11/16/2017	09:41:43	0.000	0.000	0.000
050	11/16/2017	09:42:43	0.000	0.000	0.000
051	11/16/2017	09:43:43	0.000	0.000	0.000
052	11/16/2017	09:44:43	0.000	0.000	0.000
053	11/16/2017	09:45:43	0.000	0.000	0.000
054	11/16/2017	09:46:43	0.000	0.000	0.000
055	11/16/2017	09:47:43	0.000	0.000	0.000
056	11/16/2017	09:48:43	0.000	0.000	0.000
057	11/16/2017	09:49:43	0.000	0.000	0.000
058	11/16/2017	09:50:43	0.000	0.000	0.000
059	11/16/2017	09:51:43	0.000	0.000	0.000
060	11/16/2017	09:52:43	0.000	0.000	0.000
061	11/16/2017	09:53:43	0.000	0.000	0.000
062	11/16/2017	09:54:43	0.000	0.000	0.000
063	11/16/2017	09:55:43	0.000	0.000	0.000
064	11/16/2017	09:56:43	0.000	0.000	0.000
065	11/16/2017	09:57:43	0.000	0.000	0.000
066	11/16/2017	09:58:43	0.000	0.000	0.000
067	11/16/2017	09:59:43	0.000	0.000	0.000
068	11/16/2017	10:00:43	0.000	0.000	0.000
069	11/16/2017	10:01:43	0.000	0.000	0.000
070	11/16/2017	10:02:43	0.000	0.000	0.000
071	11/16/2017	10:03:43	0.000	0.000	0.000
072	11/16/2017	10:04:43	0.000	0.000	0.000
073	11/16/2017	10:05:43	0.000	0.000	0.000
074	11/16/2017	10:06:43	0.000	0.000	0.000
075	11/16/2017	10:07:43	0.000	0.000	0.000
076	11/16/2017	10:08:43	0.000	0.000	0.000
077	11/16/2017	10:09:43	0.000	0.000	0.000
078	11/16/2017	10:10:43	0.000	0.000	0.000
079	11/16/2017	10:11:43	0.000	0.000	0.000
080	11/16/2017	10:12:43	0.000	0.000	0.000
081	11/16/2017	10:13:43	0.000	0.000	0.000
082	11/16/2017	10:14:43	0.000	0.000	0.000
083	11/16/2017	10:15:43	0.000	0.001	0.020

			Pine_24759_20180226		
084	11/16/2017	10:16:43	0.000	0.000	0.000
085	11/16/2017	10:17:43	0.000	0.000	0.000
086	11/16/2017	10:18:43	0.000	0.000	0.000
087	11/16/2017	10:19:43	0.000	0.000	0.000
088	11/16/2017	10:20:43	0.000	0.000	0.000
089	11/16/2017	10:21:43	0.000	0.000	0.000
090	11/16/2017	10:22:43	0.000	0.000	0.000
091	11/16/2017	10:23:43	0.000	0.000	0.000
092	11/16/2017	10:24:43	0.000	0.000	0.000
093	11/16/2017	10:25:43	0.000	0.000	0.000
094	11/16/2017	10:26:43	0.000	0.000	0.000
095	11/16/2017	10:27:43	0.000	0.000	0.000
096	11/16/2017	10:28:43	0.000	0.000	0.000
097	11/16/2017	10:29:43	0.000	0.000	0.000
098	11/16/2017	10:30:43	0.000	0.000	0.000
099	11/16/2017	10:31:43	0.000	0.000	0.000
100	11/16/2017	10:32:43	0.000	0.000	0.000
101	11/16/2017	10:33:43	0.000	0.000	0.000
102	11/16/2017	10:34:43	0.000	0.000	0.000
103	11/16/2017	10:35:43	0.000	0.000	0.000
104	11/16/2017	10:36:43	0.000	0.000	0.000
105	11/16/2017	10:37:43	0.000	0.000	0.000
106	11/16/2017	10:38:43	0.000	0.000	0.000
107	11/16/2017	10:39:43	0.000	0.000	0.000
108	11/16/2017	10:40:43	0.000	0.000	0.000
109	11/16/2017	10:41:43	0.000	0.000	0.000
110	11/16/2017	10:42:43	0.000	0.000	0.000
111	11/16/2017	10:43:43	0.000	0.000	0.000
112	11/16/2017	10:44:43	0.000	0.000	0.000
113	11/16/2017	10:45:43	0.000	0.000	0.000
114	11/16/2017	10:46:43	0.000	0.000	0.000
115	11/16/2017	10:47:43	0.000	0.000	0.000
116	11/16/2017	10:48:43	0.000	0.000	0.000
117	11/16/2017	10:49:43	0.000	0.000	0.000
118	11/16/2017	10:50:43	0.000	0.000	0.000
119	11/16/2017	10:51:43	0.000	0.000	0.000
120	11/16/2017	10:52:43	0.000	0.000	0.000
121	11/16/2017	10:53:43	0.000	0.000	0.000
122	11/16/2017	10:54:43	0.000	0.000	0.000
123	11/16/2017	10:55:43	0.000	0.000	0.000
124	11/16/2017	10:56:43	0.000	0.000	0.000
125	11/16/2017	10:57:43	0.000	0.000	0.000
126	11/16/2017	10:58:43	0.000	0.000	0.000
127	11/16/2017	10:59:43	0.000	0.000	0.000
128	11/16/2017	11:00:43	0.000	0.000	0.000
129	11/16/2017	11:01:43	0.000	0.000	0.000
130	11/16/2017	11:02:43	0.000	0.000	0.000
131	11/16/2017	11:03:43	0.000	0.000	0.000

			Pine_24759_20180226		
132	11/16/2017	11:04:43	0.000	0.000	0.000
133	11/16/2017	11:05:43	0.000	0.000	0.000
134	11/16/2017	11:06:43	0.000	0.000	0.000
135	11/16/2017	11:07:43	0.000	0.000	0.000
136	11/16/2017	11:08:43	0.000	0.000	0.000
137	11/16/2017	11:09:43	0.000	0.000	0.000
138	11/16/2017	11:10:43	0.000	0.000	0.000
139	11/16/2017	11:11:43	0.000	0.000	0.000
140	11/16/2017	11:12:43	0.000	0.000	0.000
141	11/16/2017	11:13:43	0.000	0.000	0.000
142	11/16/2017	11:14:43	0.000	0.000	0.000
143	11/16/2017	11:15:43	0.000	0.000	0.000
144	11/16/2017	11:16:43	0.000	0.000	0.000
145	11/16/2017	11:17:43	0.000	0.000	0.000
146	11/16/2017	11:18:43	0.000	0.000	0.000
147	11/16/2017	11:19:43	0.000	0.000	0.000
148	11/16/2017	11:20:43	0.000	0.000	0.000
149	11/16/2017	11:21:43	0.000	0.000	0.000
150	11/16/2017	11:22:43	0.000	0.000	0.000
151	11/16/2017	11:23:43	0.000	0.000	0.000
152	11/16/2017	11:24:43	0.000	0.000	0.000
153	11/16/2017	11:25:43	0.000	0.000	0.000
154	11/16/2017	11:26:43	0.000	0.000	0.000
155	11/16/2017	11:27:43	0.000	0.000	0.000
156	11/16/2017	11:28:43	0.000	0.000	0.000
157	11/16/2017	11:29:43	0.000	0.000	0.000
158	11/16/2017	11:30:43	0.000	0.000	0.000
159	11/16/2017	11:31:43	0.000	0.000	0.000
160	11/16/2017	11:32:43	0.000	0.000	0.000
161	11/16/2017	11:33:43	0.000	0.000	0.000
162	11/16/2017	11:34:43	0.000	0.000	0.000
163	11/16/2017	11:35:43	0.000	0.000	0.000
164	11/16/2017	11:36:43	0.000	0.000	0.000
165	11/16/2017	11:37:43	0.000	0.000	0.000
166	11/16/2017	11:38:43	0.000	0.000	0.000
167	11/16/2017	11:39:43	0.000	0.000	0.000
168	11/16/2017	11:40:43	0.000	0.000	0.000
169	11/16/2017	11:41:43	0.000	0.000	0.000
170	11/16/2017	11:42:43	0.000	0.000	0.000
171	11/16/2017	11:43:43	0.000	0.000	0.000
172	11/16/2017	11:44:43	0.000	0.000	0.000
173	11/16/2017	11:45:43	0.000	0.000	0.000
174	11/16/2017	11:46:43	0.000	0.000	0.000
175	11/16/2017	11:47:43	0.000	0.000	0.000
176	11/16/2017	11:48:43	0.000	0.000	0.000
177	11/16/2017	11:49:43	0.000	0.000	0.000
178	11/16/2017	11:50:43	0.000	0.000	0.000
179	11/16/2017	11:51:43	0.000	0.000	0.000

			Pine_24759_20180226		
180	11/16/2017	11:52:43	0.000	0.000	0.000
181	11/16/2017	11:53:43	0.000	0.000	0.000
182	11/16/2017	11:54:43	0.000	0.000	0.000
183	11/16/2017	11:55:43	0.000	0.000	0.000
184	11/16/2017	11:56:43	0.000	0.000	0.000
185	11/16/2017	11:57:43	0.000	0.000	0.000
186	11/16/2017	11:58:43	0.000	0.000	0.000
187	11/16/2017	11:59:43	0.000	0.000	0.000
188	11/16/2017	12:00:43	0.000	0.000	0.000
189	11/16/2017	12:01:43	0.000	0.000	0.000
190	11/16/2017	12:02:43	0.000	0.000	0.000
191	11/16/2017	12:03:43	0.000	0.000	0.000
192	11/16/2017	12:04:43	0.000	0.000	0.000
193	11/16/2017	12:05:43	0.000	0.000	0.000
194	11/16/2017	12:06:43	0.000	0.000	0.000
195	11/16/2017	12:07:43	0.000	0.000	0.000
196	11/16/2017	12:08:43	0.000	0.000	0.000
197	11/16/2017	12:09:43	0.000	0.000	0.000
198	11/16/2017	12:10:43	0.000	0.000	0.000
199	11/16/2017	12:11:43	0.000	0.000	0.000
200	11/16/2017	12:12:43	0.000	0.000	0.000
201	11/16/2017	12:13:43	0.000	0.000	0.000
202	11/16/2017	12:14:43	0.000	0.000	0.000
203	11/16/2017	12:15:43	0.000	0.000	0.000
204	11/16/2017	12:16:43	0.000	0.000	0.000
205	11/16/2017	12:17:43	0.000	0.000	0.000
206	11/16/2017	12:18:43	0.000	0.000	0.000
207	11/16/2017	12:19:43	0.000	0.000	0.000
208	11/16/2017	12:20:43	0.000	0.000	0.000
209	11/16/2017	12:21:43	0.000	0.000	0.000
210	11/16/2017	12:22:43	0.000	0.000	0.000
211	11/16/2017	12:23:43	0.000	0.000	0.000
212	11/16/2017	12:24:43	0.000	0.000	0.000
213	11/16/2017	12:25:43	0.000	0.000	0.000
214	11/16/2017	12:26:43	0.000	0.000	0.000
215	11/16/2017	12:27:43	0.000	0.000	0.000
216	11/16/2017	12:28:43	0.000	0.000	0.000
217	11/16/2017	12:29:43	0.000	0.000	0.000
218	11/16/2017	12:30:43	0.000	0.000	0.000
219	11/16/2017	12:31:43	0.000	0.000	0.000
220	11/16/2017	12:32:43	0.000	0.000	0.000
221	11/16/2017	12:33:43	0.000	0.000	0.000
222	11/16/2017	12:34:43	0.000	0.000	0.000
223	11/16/2017	12:35:43	0.000	0.000	0.000
224	11/16/2017	12:36:43	0.000	0.000	0.000
225	11/16/2017	12:37:43	0.000	0.000	0.000
226	11/16/2017	12:38:43	0.000	0.000	0.000
227	11/16/2017	12:39:43	0.000	0.000	0.000

			Pine_24759_20180226		
228	11/16/2017	12:40:43	0.000	0.000	0.000
229	11/16/2017	12:41:43	0.000	0.000	0.000
230	11/16/2017	12:42:43	0.000	0.000	0.000
231	11/16/2017	12:43:43	0.000	0.000	0.000
232	11/16/2017	12:44:43	0.000	0.000	0.000
233	11/16/2017	12:45:43	0.000	0.000	0.000
234	11/16/2017	12:46:43	0.000	0.000	0.000
235	11/16/2017	12:47:43	0.000	0.000	0.000
236	11/16/2017	12:48:43	0.000	0.000	0.000
237	11/16/2017	12:49:43	0.000	0.000	0.000
238	11/16/2017	12:50:43	0.000	0.000	0.000
239	11/16/2017	12:51:43	0.000	0.000	0.000
240	11/16/2017	12:52:43	0.000	0.000	0.000
241	11/16/2017	12:53:43	0.000	0.000	0.000
242	11/16/2017	12:54:43	0.000	0.000	0.000
243	11/16/2017	12:55:43	0.000	0.000	0.000
244	11/16/2017	12:56:43	0.000	0.000	0.000
245	11/16/2017	12:57:43	0.000	0.000	0.000
246	11/16/2017	12:58:43	0.000	0.000	0.000
247	11/16/2017	12:59:43	0.000	0.000	0.000
248	11/16/2017	13:00:43	0.000	0.000	0.000
249	11/16/2017	13:01:43	0.000	0.000	0.000
250	11/16/2017	13:02:43	0.000	0.000	0.000
251	11/16/2017	13:03:43	0.000	0.000	0.000
252	11/16/2017	13:04:43	0.000	0.000	0.000
253	11/16/2017	13:05:43	0.000	0.000	0.000
254	11/16/2017	13:06:43	0.000	0.000	0.000
255	11/16/2017	13:07:43	0.000	0.000	0.000
256	11/16/2017	13:08:43	0.000	0.000	0.000
257	11/16/2017	13:09:43	0.000	0.000	0.000
258	11/16/2017	13:10:43	0.000	0.000	0.000
259	11/16/2017	13:11:43	0.000	0.000	0.000
260	11/16/2017	13:12:43	0.000	0.000	0.000
261	11/16/2017	13:13:43	0.000	0.000	0.000
262	11/16/2017	13:14:43	0.000	0.000	0.000
263	11/16/2017	13:15:43	0.000	0.000	0.000
264	11/16/2017	13:16:43	0.000	0.000	0.000
265	11/16/2017	13:17:43	0.000	0.000	0.000
266	11/16/2017	13:18:43	0.000	0.000	0.000
267	11/16/2017	13:19:43	0.000	0.000	0.000
268	11/16/2017	13:20:43	0.000	0.000	0.000
269	11/16/2017	13:21:43	0.000	0.000	0.000
270	11/16/2017	13:22:43	0.000	0.000	0.000
271	11/16/2017	13:23:43	0.000	0.000	0.000
272	11/16/2017	13:24:43	0.000	0.000	0.000
273	11/16/2017	13:25:43	0.000	0.000	0.000
274	11/16/2017	13:26:43	0.000	0.000	0.000
275	11/16/2017	13:27:43	0.000	0.000	0.000

			Pine_24759_20180226		
276	11/16/2017	13:28:43	0.000	0.000	0.000
277	11/16/2017	13:29:43	0.000	0.000	0.000
278	11/16/2017	13:30:43	0.000	0.000	0.000
279	11/16/2017	13:31:43	0.000	0.000	0.000
280	11/16/2017	13:32:43	0.000	0.000	0.000
281	11/16/2017	13:33:43	0.000	0.000	0.000
282	11/16/2017	13:34:43	0.000	0.000	0.000
283	11/16/2017	13:35:43	0.000	0.000	0.000
284	11/16/2017	13:36:43	0.000	0.000	0.000
285	11/16/2017	13:37:43	0.000	0.000	0.000
286	11/16/2017	13:38:43	0.000	0.000	0.000
287	11/16/2017	13:39:43	0.000	0.000	0.000
288	11/16/2017	13:40:43	0.000	0.000	0.000
289	11/16/2017	13:41:43	0.000	0.000	0.000
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291	11/16/2017	13:43:43	0.000	0.000	0.000
292	11/16/2017	13:44:43	0.000	0.000	0.000
293	11/16/2017	13:45:43	0.000	0.000	0.000
294	11/16/2017	13:46:43	0.000	0.000	0.000
295	11/16/2017	13:47:43	0.000	0.000	0.000
296	11/16/2017	13:48:43	0.000	0.000	0.000
297	11/16/2017	13:49:43	0.000	0.000	0.000
298	11/16/2017	13:50:43	0.000	0.000	0.000
299	11/16/2017	13:51:43	0.000	0.000	0.000
300	11/16/2017	13:52:43	0.000	0.000	0.000
301	11/16/2017	13:53:43	0.000	0.000	0.000
302	11/16/2017	13:54:43	0.000	0.000	0.000
303	11/16/2017	13:55:43	0.000	0.000	0.000
304	11/16/2017	13:56:43	0.000	0.000	0.000
305	11/16/2017	13:57:43	0.000	0.000	0.000
306	11/16/2017	13:58:43	0.000	0.000	0.000
307	11/16/2017	13:59:43	0.000	0.000	0.000
308	11/16/2017	14:00:43	0.000	0.000	0.000
309	11/16/2017	14:01:43	0.000	0.000	0.000
310	11/16/2017	14:02:43	0.000	0.000	0.000
311	11/16/2017	14:03:43	0.000	0.000	0.000
312	11/16/2017	14:04:43	0.000	0.000	0.000
313	11/16/2017	14:05:43	0.000	0.000	0.000
314	11/16/2017	14:06:43	0.000	0.000	0.000
315	11/16/2017	14:07:43	0.000	0.000	0.000
316	11/16/2017	14:08:43	0.000	0.000	0.000
317	11/16/2017	14:09:43	0.000	0.000	0.000
318	11/16/2017	14:10:43	0.000	0.000	0.000
319	11/16/2017	14:11:43	0.000	0.000	0.000
320	11/16/2017	14:12:43	0.000	0.000	0.000
321	11/16/2017	14:13:43	0.000	0.000	0.000
322	11/16/2017	14:14:43	0.000	0.000	0.000
323	11/16/2017	14:15:43	0.000	0.000	0.000

			Pine_24759_20180226		
324	11/16/2017	14:16:43	0.000	0.000	0.000
325	11/16/2017	14:17:43	0.000	0.000	0.000
326	11/16/2017	14:18:43	0.000	0.000	0.000
327	11/16/2017	14:19:43	0.000	0.000	0.000
328	11/16/2017	14:20:43	0.000	0.000	0.000
329	11/16/2017	14:21:43	0.000	0.000	0.000
330	11/16/2017	14:22:43	0.000	0.000	0.000
331	11/16/2017	14:23:43	0.000	0.000	0.000
332	11/16/2017	14:24:43	0.000	0.000	0.000
333	11/16/2017	14:25:43	0.000	0.000	0.000
334	11/16/2017	14:26:43	0.000	0.000	0.000
335	11/16/2017	14:27:43	0.000	0.000	0.000
336	11/16/2017	14:28:43	0.000	0.000	0.000
337	11/16/2017	14:29:43	0.000	0.000	0.000
338	11/16/2017	14:30:43	0.000	0.000	0.000
339	11/16/2017	14:31:43	0.000	0.000	0.000
340	11/16/2017	14:32:43	0.000	0.000	0.000
341	11/16/2017	14:33:43	0.000	0.000	0.000
342	11/16/2017	14:34:43	0.000	0.000	0.000
343	11/16/2017	14:35:43	0.000	0.000	0.000
344	11/16/2017	14:36:43	0.000	0.000	0.000
345	11/16/2017	14:37:43	0.000	0.000	0.000
346	11/16/2017	14:38:43	0.000	0.000	0.000
347	11/16/2017	14:39:43	0.000	0.000	0.000
348	11/16/2017	14:40:43	0.000	0.000	0.000
349	11/16/2017	14:41:43	0.000	0.000	0.000
350	11/16/2017	14:42:43	0.000	0.000	0.000
351	11/16/2017	14:43:43	0.000	0.000	0.000
352	11/16/2017	14:44:43	0.000	0.000	0.000
353	11/16/2017	14:45:43	0.000	0.000	0.000
354	11/16/2017	14:46:43	0.000	0.000	0.000
355	11/16/2017	14:47:43	0.000	0.000	0.000
356	11/16/2017	14:48:43	0.000	0.000	0.000
357	11/16/2017	14:49:43	0.000	0.000	0.000
358	11/16/2017	14:50:43	0.000	0.000	0.000
359	11/16/2017	14:51:43	0.000	0.000	0.000
360	11/16/2017	14:52:43	0.000	0.000	0.000
361	11/16/2017	14:53:43	0.000	0.000	0.000
362	11/16/2017	14:54:43	0.000	0.000	0.000
363	11/16/2017	14:55:43	0.000	0.000	0.000
364	11/16/2017	14:56:43	0.000	0.000	0.000
365	11/16/2017	14:57:43	0.000	0.000	0.000
366	11/16/2017	14:58:43	0.000	0.000	0.000
367	11/16/2017	14:59:43	0.000	0.000	0.000
368	11/16/2017	15:00:43	0.000	0.000	0.000
369	11/16/2017	15:01:43	0.000	0.000	0.000
370	11/16/2017	15:02:43	0.000	0.000	0.000
371	11/16/2017	15:03:43	0.000	0.000	0.000

			Pine_24759_20180226		
372	11/16/2017	15:04:43	0.000	0.000	0.000
373	11/16/2017	15:05:43	0.000	0.000	0.000
374	11/16/2017	15:06:43	0.000	0.000	0.000
375	11/16/2017	15:07:43	0.000	0.000	0.000
376	11/16/2017	15:08:43	0.000	0.000	0.000
377	11/16/2017	15:09:43	0.000	0.000	0.000
378	11/16/2017	15:10:43	0.000	0.000	0.000
379	11/16/2017	15:11:43	0.000	0.000	0.000
380	11/16/2017	15:12:43	0.000	0.000	0.000
381	11/16/2017	15:13:43	0.000	0.000	0.000
382	11/16/2017	15:14:43	0.000	0.000	0.000
383	11/16/2017	15:15:43	0.000	0.000	0.000
384	11/16/2017	15:16:43	0.000	0.000	0.000
385	11/16/2017	15:17:43	0.000	0.000	0.000
386	11/16/2017	15:18:43	0.000	0.000	0.000
387	11/16/2017	15:19:43	0.000	0.000	0.000
388	11/16/2017	15:20:43	0.000	0.000	0.000
389	11/16/2017	15:21:43	0.000	0.000	0.000
390	11/16/2017	15:22:43	0.000	0.000	0.000
391	11/16/2017	15:23:43	0.000	0.000	0.000
392	11/16/2017	15:24:43	0.000	0.000	0.000
393	11/16/2017	15:25:43	0.000	0.000	0.000
394	11/16/2017	15:26:43	0.000	0.000	0.000
395	11/16/2017	15:27:43	0.000	0.000	0.000
396	11/16/2017	15:28:43	0.000	0.000	0.000
397	11/16/2017	15:29:43	0.000	0.000	0.000
398	11/16/2017	15:30:43	0.000	0.000	0.000
399	11/16/2017	15:31:43	0.000	0.000	0.000
400	11/16/2017	15:32:43	0.000	0.000	0.000
401	11/16/2017	15:33:43	0.000	0.000	0.000
402	11/16/2017	15:34:43	0.000	0.000	0.000
403	11/16/2017	15:35:43	0.000	0.000	0.000
404	11/16/2017	15:36:43	0.000	0.000	0.000
405	11/16/2017	15:37:43	0.000	0.000	0.000
406	11/16/2017	15:38:43	0.000	0.000	0.000
407	11/16/2017	15:39:43	0.000	0.000	0.000
408	11/16/2017	15:40:43	0.000	0.000	0.000
409	11/16/2017	15:41:43	0.000	0.000	0.000
410	11/16/2017	15:42:43	0.000	0.000	0.000
411	11/16/2017	15:43:43	0.000	0.000	0.000
412	11/16/2017	15:44:43	0.000	0.000	0.000
413	11/16/2017	15:45:43	0.000	0.000	0.000
414	11/16/2017	15:46:43	0.000	0.000	0.000
415	11/16/2017	15:47:43	0.000	0.000	0.000
416	11/16/2017	15:48:43	0.000	0.000	0.000
417	11/16/2017	15:49:43	0.000	0.000	0.000
418	11/16/2017	15:50:43	0.000	0.000	0.000
419	11/16/2017	15:51:43	0.000	0.000	0.000

			Pine_24759_20180226		
420	11/16/2017	15:52:43	0.000	0.000	0.000
421	11/16/2017	15:53:43	0.000	0.000	0.000
422	11/16/2017	15:54:43	0.000	0.000	0.000
423	11/16/2017	15:55:43	0.000	0.000	0.000
424	11/16/2017	15:56:43	0.000	0.000	0.000
425	11/16/2017	15:57:43	0.000	0.000	0.000
426	11/16/2017	15:58:43	0.000	0.000	0.000
427	11/16/2017	15:59:43	0.000	0.000	0.000
428	11/16/2017	16:00:43	0.000	0.000	0.000
429	11/16/2017	16:01:43	0.000	0.000	0.000
430	11/16/2017	16:02:43	0.000	0.000	0.000
431	11/16/2017	16:03:43	0.000	0.000	0.000
432	11/16/2017	16:04:43	0.000	0.000	0.000
433	11/16/2017	16:05:43	0.000	0.000	0.000
434	11/16/2017	16:06:43	0.000	0.000	0.000
435	11/16/2017	16:07:43	0.000	0.000	0.000
436	11/16/2017	16:08:43	0.000	0.000	0.000
437	11/16/2017	16:09:43	0.000	0.000	0.000
438	11/16/2017	16:10:43	0.000	0.000	0.000
439	11/16/2017	16:11:43	0.000	0.000	0.000
440	11/16/2017	16:12:43	0.000	0.000	0.000
441	11/16/2017	16:13:43	0.000	0.000	0.000
442	11/16/2017	16:14:43	0.000	0.000	0.000
443	11/16/2017	16:15:43	0.000	0.000	0.000
444	11/16/2017	16:16:43	0.000	0.000	0.000
445	11/16/2017	16:17:43	0.000	0.000	0.000
446	11/16/2017	16:18:43	0.000	0.000	0.000
447	11/16/2017	16:19:43	0.000	0.000	0.000
448	11/16/2017	16:20:43	0.000	0.000	0.000
449	11/16/2017	16:21:43	0.000	0.000	0.000
450	11/16/2017	16:22:43	0.000	0.000	0.000
451	11/16/2017	16:23:43	0.000	0.000	0.000
452	11/16/2017	16:24:43	0.000	0.000	0.000
453	11/16/2017	16:25:43	0.000	0.000	0.000
454	11/16/2017	16:26:43	0.000	0.000	0.000
455	11/16/2017	16:27:43	0.000	0.000	0.000
456	11/16/2017	16:28:43	0.000	0.000	0.000
457	11/16/2017	16:29:43	0.000	0.000	0.000
458	11/16/2017	16:30:43	0.000	0.000	0.000
459	11/16/2017	16:31:43	0.000	0.000	0.000
460	11/16/2017	16:32:43	0.000	0.000	0.000
461	11/16/2017	16:33:43	0.000	0.000	0.000
462	11/16/2017	16:34:43	0.000	0.000	0.000
463	11/16/2017	16:35:43	0.000	0.000	0.000
464	11/16/2017	16:36:43	0.000	0.000	0.000
465	11/16/2017	16:37:43	0.000	0.000	0.000
466	11/16/2017	16:38:43	0.000	0.000	0.000
467	11/16/2017	16:39:43	0.000	0.000	0.000

			Pine_24759_20180226		
468	11/16/2017	16:40:43	0.000	0.000	0.000
469	11/16/2017	16:41:43	0.000	0.000	0.000
470	11/16/2017	16:42:43	0.000	0.000	0.000
471	11/16/2017	16:43:43	0.000	0.000	0.000
472	11/16/2017	16:44:43	0.000	0.000	0.000
473	11/16/2017	16:45:43	0.000	0.000	0.000
474	11/16/2017	16:46:43	0.000	0.000	0.000
475	11/16/2017	16:47:43	0.000	0.000	0.000
476	11/16/2017	16:48:43	0.000	0.000	0.000
477	11/16/2017	16:49:43	0.000	0.000	0.010
478	11/16/2017	16:50:43	0.000	0.000	0.012
479	11/16/2017	16:51:43	0.000	0.000	0.000
480	11/16/2017	16:52:43	0.000	0.001	0.027
481	11/16/2017	16:53:43	0.000	0.000	0.000
482	11/16/2017	16:54:43	0.000	0.000	0.000
483	11/16/2017	16:55:43	0.000	0.000	0.009
484	11/16/2017	16:56:43	0.000	0.000	0.003
485	11/16/2017	16:57:43	0.000	0.003	0.051
486	11/16/2017	16:58:43	0.000	0.000	0.000
487	11/16/2017	16:59:43	0.000	0.008	0.092
488	11/16/2017	17:00:43	0.000	0.003	0.026
489	11/16/2017	17:01:43	0.000	0.002	0.020
490	11/16/2017	17:02:43	0.000	0.000	0.000
491	11/16/2017	17:03:43	0.000	0.000	0.000
492	11/16/2017	17:04:43	0.000	0.005	0.075
493	11/16/2017	17:05:43	0.000	0.000	0.006
494	11/16/2017	17:06:43	0.000	0.000	0.001
495	11/16/2017	17:07:43	0.000	0.000	0.000
496	11/16/2017	17:08:43	0.000	0.001	0.027
497	11/16/2017	17:09:43	0.000	0.000	0.000
498	11/16/2017	17:10:43	0.000	0.000	0.002
499	11/16/2017	17:11:43	0.000	0.001	0.012
500	11/16/2017	17:12:43	0.000	0.000	0.000
501	11/16/2017	17:13:43	0.000	0.000	0.000
502	11/16/2017	17:14:43	0.000	0.000	0.000
503	11/16/2017	17:15:43	0.000	0.000	0.000
504	11/16/2017	17:16:43	0.000	0.000	0.000
505	11/16/2017	17:17:43	0.000	0.000	0.000
506	11/16/2017	17:18:43	0.000	0.000	0.013
507	11/16/2017	17:19:43	0.000	0.000	0.000
508	11/16/2017	17:20:43	0.000	0.000	0.000
509	11/16/2017	17:21:43	0.000	0.000	0.000
510	11/16/2017	17:22:43	0.000	0.000	0.010
511	11/16/2017	17:23:43	0.000	0.000	0.000
512	11/16/2017	17:24:43	0.000	0.000	0.000
513	11/16/2017	17:25:43	0.000	0.000	0.000
514	11/16/2017	17:26:43	0.000	0.000	0.000
515	11/16/2017	17:27:43	0.000	0.000	0.000

			Pine_24759_20180226		
516	11/16/2017	17:28:43	0.000	0.000	0.000
517	11/16/2017	17:29:43	0.000	0.000	0.000
518	11/16/2017	17:30:43	0.000	0.000	0.000
519	11/16/2017	17:31:43	0.000	0.000	0.000
520	11/16/2017	17:32:43	0.000	0.000	0.000
521	11/16/2017	17:33:43	0.000	0.000	0.000
Peak		0.000 0.008	0.092		
Min		0.000 0.000	0.000		
Average		0.000 0.000	0.001		

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17/11/17 07:56

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID 00000001

Begin 11/17/2017 07:56:01

End 11/17/2017 16:15:21

Sample Period(s) 60

Number of Records 499

Sensor VOC(ppm)

Span 100.000

Span 2 N/A

Low Alarm 50.000

High Alarm 100.000

Over Alarm 15000.000

STEL Alarm 25.000

TWA Alarm 10.000

Measurement Gas Isobutylene

Calibration Time 11/3/2017 08:06

Peak N/A

Min N/A

Average N/A

Pine_24759_20180226

Datalog

Index	Date/Time	VOC(ppm)	VOC(ppm)		VOC(ppm)
		(Min)	(Avg)	(Max)	
001	11/17/2017 07:57:01		0.000	0.000	0.000
002	11/17/2017 07:58:01		0.000	0.000	0.000
003	11/17/2017 07:59:01		0.000	0.000	0.000
004	11/17/2017 08:00:01		0.000	0.000	0.000
005	11/17/2017 08:01:01		0.000	0.000	0.000
006	11/17/2017 08:02:01		0.000	0.000	0.000
007	11/17/2017 08:03:01		0.000	0.000	0.000
008	11/17/2017 08:04:01		0.000	0.000	0.000
009	11/17/2017 08:05:01		0.000	0.000	0.000
010	11/17/2017 08:06:01		0.000	0.000	0.000
011	11/17/2017 08:07:01		0.000	0.000	0.000
012	11/17/2017 08:08:01		0.000	0.000	0.000
013	11/17/2017 08:09:01		0.000	0.000	0.000
014	11/17/2017 08:10:01		0.000	0.000	0.000
015	11/17/2017 08:11:01		0.000	0.000	0.000
016	11/17/2017 08:12:01		0.000	0.000	0.000
017	11/17/2017 08:13:01		0.000	0.000	0.000
018	11/17/2017 08:14:01		0.000	0.000	0.000
019	11/17/2017 08:15:01		0.000	0.000	0.000
020	11/17/2017 08:16:01		0.000	0.000	0.000
021	11/17/2017 08:17:01		0.000	0.000	0.000
022	11/17/2017 08:18:01		0.000	0.000	0.000
023	11/17/2017 08:19:01		0.000	0.000	0.000
024	11/17/2017 08:20:01		0.000	0.000	0.000
025	11/17/2017 08:21:01		0.000	0.000	0.000
026	11/17/2017 08:22:01		0.000	0.000	0.000
027	11/17/2017 08:23:01		0.000	0.000	0.000
028	11/17/2017 08:24:01		0.000	0.000	0.000
029	11/17/2017 08:25:01		0.000	0.000	0.000
030	11/17/2017 08:26:01		0.000	0.000	0.000
031	11/17/2017 08:27:01		0.000	0.000	0.000
032	11/17/2017 08:28:01		0.000	0.000	0.000
033	11/17/2017 08:29:01		0.000	0.000	0.000
034	11/17/2017 08:30:01		0.000	0.000	0.000
035	11/17/2017 08:31:01		0.000	0.000	0.000
036	11/17/2017 08:32:01		0.000	0.000	0.000
037	11/17/2017 08:33:01		0.000	0.000	0.000
038	11/17/2017 08:34:01		0.000	0.000	0.000
039	11/17/2017 08:35:01		0.000	0.000	0.000
040	11/17/2017 08:36:01		0.000	0.000	0.000
041	11/17/2017 08:37:01		0.000	0.000	0.000
042	11/17/2017 08:38:01		0.000	0.000	0.000
043	11/17/2017 08:39:01		0.000	0.000	0.000
044	11/17/2017 08:40:01		0.000	0.000	0.000

			Pine_24759_20180226		
045	11/17/2017	08:41:01	0.000	0.000	0.000
046	11/17/2017	08:42:01	0.000	0.000	0.000
047	11/17/2017	08:43:01	0.000	0.000	0.000
048	11/17/2017	08:44:01	0.000	0.000	0.000
049	11/17/2017	08:45:01	0.000	0.000	0.000
050	11/17/2017	08:46:01	0.000	0.000	0.000
051	11/17/2017	08:47:01	0.000	0.000	0.000
052	11/17/2017	08:48:01	0.000	0.000	0.000
053	11/17/2017	08:49:01	0.000	0.000	0.000
054	11/17/2017	08:50:01	0.000	0.000	0.000
055	11/17/2017	08:51:01	0.000	0.000	0.000
056	11/17/2017	08:52:01	0.000	0.000	0.000
057	11/17/2017	08:53:01	0.000	0.000	0.000
058	11/17/2017	08:54:01	0.000	0.000	0.000
059	11/17/2017	08:55:01	0.000	0.000	0.000
060	11/17/2017	08:56:01	0.000	0.000	0.000
061	11/17/2017	08:57:01	0.000	0.000	0.000
062	11/17/2017	08:58:01	0.000	0.000	0.000
063	11/17/2017	08:59:01	0.000	0.000	0.000
064	11/17/2017	09:00:01	0.000	0.000	0.000
065	11/17/2017	09:01:01	0.000	0.000	0.000
066	11/17/2017	09:02:01	0.000	0.000	0.000
067	11/17/2017	09:03:01	0.000	0.000	0.000
068	11/17/2017	09:04:01	0.000	0.000	0.000
069	11/17/2017	09:05:01	0.000	0.000	0.000
070	11/17/2017	09:06:01	0.000	0.000	0.000
071	11/17/2017	09:07:01	0.000	0.000	0.000
072	11/17/2017	09:08:01	0.000	0.000	0.000
073	11/17/2017	09:09:01	0.000	0.000	0.000
074	11/17/2017	09:10:01	0.000	0.000	0.000
075	11/17/2017	09:11:01	0.000	0.000	0.000
076	11/17/2017	09:12:01	0.000	0.000	0.000
077	11/17/2017	09:13:01	0.000	0.000	0.000
078	11/17/2017	09:14:01	0.000	0.000	0.000
079	11/17/2017	09:15:01	0.000	0.000	0.000
080	11/17/2017	09:16:01	0.000	0.000	0.000
081	11/17/2017	09:17:01	0.000	0.000	0.000
082	11/17/2017	09:18:01	0.000	0.000	0.000
083	11/17/2017	09:19:01	0.000	0.000	0.000
084	11/17/2017	09:20:01	0.000	0.000	0.000
085	11/17/2017	09:21:01	0.000	0.000	0.000
086	11/17/2017	09:22:01	0.000	0.000	0.000
087	11/17/2017	09:23:01	0.000	0.000	0.000
088	11/17/2017	09:24:01	0.000	0.000	0.000
089	11/17/2017	09:25:01	0.000	0.000	0.000
090	11/17/2017	09:26:01	0.000	0.000	0.000
091	11/17/2017	09:27:01	0.000	0.000	0.000
092	11/17/2017	09:28:01	0.000	0.000	0.000

			Pine_24759_20180226		
093	11/17/2017	09:29:01	0.000	0.000	0.000
094	11/17/2017	09:30:01	0.000	0.000	0.000
095	11/17/2017	09:31:01	0.000	0.000	0.000
096	11/17/2017	09:32:01	0.000	0.000	0.000
097	11/17/2017	09:33:01	0.000	0.000	0.000
098	11/17/2017	09:34:01	0.000	0.000	0.000
099	11/17/2017	09:35:01	0.000	0.000	0.000
100	11/17/2017	09:36:01	0.000	0.000	0.000
101	11/17/2017	09:37:01	0.000	0.000	0.000
102	11/17/2017	09:38:01	0.000	0.000	0.000
103	11/17/2017	09:39:01	0.000	0.000	0.000
104	11/17/2017	09:40:01	0.000	0.000	0.000
105	11/17/2017	09:41:01	0.000	0.000	0.000
106	11/17/2017	09:42:01	0.000	0.000	0.000
107	11/17/2017	09:43:01	0.000	0.000	0.000
108	11/17/2017	09:44:01	0.000	0.000	0.000
109	11/17/2017	09:45:01	0.000	0.000	0.000
110	11/17/2017	09:46:01	0.000	0.000	0.000
111	11/17/2017	09:47:01	0.000	0.000	0.000
112	11/17/2017	09:48:01	0.000	0.001	0.021
113	11/17/2017	09:49:01	0.000	0.000	0.000
114	11/17/2017	09:50:01	0.000	0.000	0.000
115	11/17/2017	09:51:01	0.000	0.000	0.000
116	11/17/2017	09:52:01	0.000	0.000	0.000
117	11/17/2017	09:53:01	0.000	0.000	0.000
118	11/17/2017	09:54:01	0.000	0.000	0.000
119	11/17/2017	09:55:01	0.000	0.000	0.000
120	11/17/2017	09:56:01	0.000	0.000	0.000
121	11/17/2017	09:57:01	0.000	0.000	0.000
122	11/17/2017	09:58:01	0.000	0.000	0.000
123	11/17/2017	09:59:01	0.000	0.000	0.000
124	11/17/2017	10:00:01	0.000	0.000	0.000
125	11/17/2017	10:01:01	0.000	0.000	0.000
126	11/17/2017	10:02:01	0.000	0.000	0.000
127	11/17/2017	10:03:01	0.000	0.000	0.000
128	11/17/2017	10:04:01	0.000	0.000	0.000
129	11/17/2017	10:05:01	0.000	0.000	0.000
130	11/17/2017	10:06:01	0.000	0.000	0.000
131	11/17/2017	10:07:01	0.000	0.000	0.000
132	11/17/2017	10:08:01	0.000	0.000	0.000
133	11/17/2017	10:09:01	0.000	0.000	0.000
134	11/17/2017	10:10:01	0.000	0.000	0.000
135	11/17/2017	10:11:01	0.000	0.000	0.000
136	11/17/2017	10:12:01	0.000	0.000	0.000
137	11/17/2017	10:13:01	0.000	0.000	0.000
138	11/17/2017	10:14:01	0.000	0.000	0.000
139	11/17/2017	10:15:01	0.000	0.000	0.000
140	11/17/2017	10:16:01	0.000	0.000	0.000

			Pine_24759_20180226		
141	11/17/2017	10:17:01	0.000	0.000	0.000
142	11/17/2017	10:18:01	0.000	0.000	0.000
143	11/17/2017	10:19:01	0.000	0.000	0.000
144	11/17/2017	10:20:01	0.000	0.000	0.000
145	11/17/2017	10:21:01	0.000	0.000	0.000
146	11/17/2017	10:22:01	0.000	0.000	0.000
147	11/17/2017	10:23:01	0.000	0.000	0.000
148	11/17/2017	10:24:01	0.000	0.000	0.000
149	11/17/2017	10:25:01	0.000	0.000	0.000
150	11/17/2017	10:26:01	0.000	0.000	0.000
151	11/17/2017	10:27:01	0.000	0.000	0.000
152	11/17/2017	10:28:01	0.000	0.000	0.000
153	11/17/2017	10:29:01	0.000	0.000	0.000
154	11/17/2017	10:30:01	0.000	0.000	0.000
155	11/17/2017	10:31:01	0.000	0.000	0.000
156	11/17/2017	10:32:01	0.000	0.000	0.000
157	11/17/2017	10:33:01	0.000	0.000	0.000
158	11/17/2017	10:34:01	0.000	0.000	0.000
159	11/17/2017	10:35:01	0.000	0.000	0.000
160	11/17/2017	10:36:01	0.000	0.000	0.000
161	11/17/2017	10:37:01	0.000	0.000	0.000
162	11/17/2017	10:38:01	0.000	0.000	0.000
163	11/17/2017	10:39:01	0.000	0.000	0.000
164	11/17/2017	10:40:01	0.000	0.000	0.000
165	11/17/2017	10:41:01	0.000	0.000	0.000
166	11/17/2017	10:42:01	0.000	0.000	0.000
167	11/17/2017	10:43:01	0.000	0.000	0.000
168	11/17/2017	10:44:01	0.000	0.000	0.000
169	11/17/2017	10:45:01	0.000	0.000	0.000
170	11/17/2017	10:46:01	0.000	0.000	0.000
171	11/17/2017	10:47:01	0.000	0.000	0.000
172	11/17/2017	10:48:01	0.000	0.000	0.000
173	11/17/2017	10:49:01	0.000	0.000	0.000
174	11/17/2017	10:50:01	0.000	0.000	0.000
175	11/17/2017	10:51:01	0.000	0.000	0.000
176	11/17/2017	10:52:01	0.000	0.000	0.000
177	11/17/2017	10:53:01	0.000	0.000	0.000
178	11/17/2017	10:54:01	0.000	0.000	0.000
179	11/17/2017	10:55:01	0.000	0.000	0.003
180	11/17/2017	10:56:01	0.000	0.000	0.000
181	11/17/2017	10:57:01	0.000	0.000	0.000
182	11/17/2017	10:58:01	0.000	0.000	0.000
183	11/17/2017	10:59:01	0.000	0.000	0.000
184	11/17/2017	11:00:01	0.000	0.000	0.000
185	11/17/2017	11:01:01	0.000	0.000	0.000
186	11/17/2017	11:02:01	0.000	0.000	0.000
187	11/17/2017	11:03:01	0.000	0.000	0.000
188	11/17/2017	11:04:01	0.000	0.000	0.000

			Pine_24759_20180226		
189	11/17/2017	11:05:01	0.000	0.000	0.000
190	11/17/2017	11:06:01	0.000	0.210	1.895
191	11/17/2017	11:07:01	0.000	0.000	0.000
192	11/17/2017	11:08:01	0.000	0.000	0.000
193	11/17/2017	11:09:01	0.000	0.000	0.000
194	11/17/2017	11:10:01	0.000	0.000	0.000
195	11/17/2017	11:11:01	0.000	0.000	0.000
196	11/17/2017	11:12:01	0.000	0.000	0.000
197	11/17/2017	11:13:01	0.000	0.000	0.000
198	11/17/2017	11:14:01	0.000	0.000	0.000
199	11/17/2017	11:15:01	0.000	0.000	0.000
200	11/17/2017	11:16:01	0.000	0.000	0.000
201	11/17/2017	11:17:01	0.000	0.000	0.000
202	11/17/2017	11:18:01	0.000	0.000	0.000
203	11/17/2017	11:19:01	0.000	0.000	0.000
204	11/17/2017	11:20:01	0.000	0.000	0.000
205	11/17/2017	11:21:01	0.000	0.000	0.000
206	11/17/2017	11:22:01	0.000	0.000	0.000
207	11/17/2017	11:23:01	0.000	0.000	0.000
208	11/17/2017	11:24:01	0.000	0.000	0.000
209	11/17/2017	11:25:01	0.000	0.000	0.000
210	11/17/2017	11:26:01	0.000	0.000	0.000
211	11/17/2017	11:27:01	0.000	0.000	0.000
212	11/17/2017	11:28:01	0.000	0.000	0.000
213	11/17/2017	11:29:01	0.000	0.000	0.000
214	11/17/2017	11:30:01	0.000	0.000	0.000
215	11/17/2017	11:31:01	0.000	0.000	0.000
216	11/17/2017	11:32:01	0.000	0.000	0.000
217	11/17/2017	11:33:01	0.000	0.000	0.000
218	11/17/2017	11:34:01	0.000	0.000	0.000
219	11/17/2017	11:35:01	0.000	0.000	0.000
220	11/17/2017	11:36:01	0.000	0.000	0.000
221	11/17/2017	11:37:01	0.000	0.000	0.000
222	11/17/2017	11:38:01	0.000	0.000	0.000
223	11/17/2017	11:39:01	0.000	0.000	0.000
224	11/17/2017	11:40:01	0.000	0.000	0.000
225	11/17/2017	11:41:01	0.000	0.000	0.000
226	11/17/2017	11:42:01	0.000	0.000	0.000
227	11/17/2017	11:43:01	0.000	0.000	0.000
228	11/17/2017	11:44:01	0.000	0.000	0.000
229	11/17/2017	11:45:01	0.000	0.000	0.000
230	11/17/2017	11:46:01	0.000	0.000	0.000
231	11/17/2017	11:47:01	0.000	0.000	0.000
232	11/17/2017	11:48:01	0.000	0.000	0.000
233	11/17/2017	11:49:01	0.000	0.000	0.000
234	11/17/2017	11:50:01	0.000	0.000	0.000
235	11/17/2017	11:51:01	0.000	0.000	0.000
236	11/17/2017	11:52:01	0.000	0.000	0.000

			Pine_24759_20180226		
237	11/17/2017	11:53:01	0.000	0.000	0.000
238	11/17/2017	11:54:01	0.000	0.000	0.000
239	11/17/2017	11:55:01	0.000	0.000	0.000
240	11/17/2017	11:56:01	0.000	0.000	0.000
241	11/17/2017	11:57:01	0.000	0.000	0.000
242	11/17/2017	11:58:01	0.000	0.000	0.000
243	11/17/2017	11:59:01	0.000	0.000	0.000
244	11/17/2017	12:00:01	0.000	0.002	0.044
245	11/17/2017	12:01:01	0.000	0.000	0.000
246	11/17/2017	12:02:01	0.000	0.000	0.000
247	11/17/2017	12:03:01	0.000	0.000	0.000
248	11/17/2017	12:04:01	0.000	0.000	0.000
249	11/17/2017	12:05:01	0.000	0.000	0.000
250	11/17/2017	12:06:01	0.000	0.000	0.000
251	11/17/2017	12:07:01	0.000	0.000	0.000
252	11/17/2017	12:08:01	0.000	0.000	0.000
253	11/17/2017	12:09:01	0.000	0.000	0.000
254	11/17/2017	12:10:01	0.000	0.000	0.000
255	11/17/2017	12:11:01	0.000	0.000	0.000
256	11/17/2017	12:12:01	0.000	0.000	0.000
257	11/17/2017	12:13:01	0.000	0.000	0.000
258	11/17/2017	12:14:01	0.000	0.000	0.000
259	11/17/2017	12:15:01	0.000	0.000	0.000
260	11/17/2017	12:16:01	0.000	0.000	0.000
261	11/17/2017	12:17:01	0.000	0.000	0.000
262	11/17/2017	12:18:01	0.000	0.000	0.000
263	11/17/2017	12:19:01	0.000	0.000	0.000
264	11/17/2017	12:20:01	0.000	0.000	0.000
265	11/17/2017	12:21:01	0.000	0.000	0.000
266	11/17/2017	12:22:01	0.000	0.000	0.000
267	11/17/2017	12:23:01	0.000	0.000	0.000
268	11/17/2017	12:24:01	0.000	0.000	0.000
269	11/17/2017	12:25:01	0.000	0.000	0.000
270	11/17/2017	12:26:01	0.000	0.000	0.000
271	11/17/2017	12:27:01	0.000	0.000	0.000
272	11/17/2017	12:28:01	0.000	0.000	0.000
273	11/17/2017	12:29:01	0.000	0.000	0.000
274	11/17/2017	12:30:01	0.000	0.000	0.000
275	11/17/2017	12:31:01	0.000	0.000	0.000
276	11/17/2017	12:32:01	0.000	0.000	0.000
277	11/17/2017	12:33:01	0.000	0.000	0.000
278	11/17/2017	12:34:01	0.000	0.000	0.000
279	11/17/2017	12:35:01	0.000	0.000	0.000
280	11/17/2017	12:36:01	0.000	0.000	0.000
281	11/17/2017	12:37:01	0.000	0.000	0.000
282	11/17/2017	12:38:01	0.000	0.000	0.000
283	11/17/2017	12:39:01	0.000	0.000	0.000
284	11/17/2017	12:40:01	0.000	0.000	0.000

			Pine_24759_20180226		
285	11/17/2017	12:41:01	0.000	0.000	0.000
286	11/17/2017	12:42:01	0.000	0.000	0.000
287	11/17/2017	12:43:01	0.000	0.000	0.000
288	11/17/2017	12:44:01	0.000	0.001	0.028
289	11/17/2017	12:45:01	0.000	0.000	0.000
290	11/17/2017	12:46:01	0.000	0.000	0.000
291	11/17/2017	12:47:01	0.000	0.000	0.000
292	11/17/2017	12:48:01	0.000	0.000	0.000
293	11/17/2017	12:49:01	0.000	0.000	0.000
294	11/17/2017	12:50:01	0.000	0.000	0.000
295	11/17/2017	12:51:01	0.000	0.000	0.000
296	11/17/2017	12:52:01	0.000	0.000	0.000
297	11/17/2017	12:53:01	0.000	0.000	0.000
298	11/17/2017	12:54:01	0.000	0.000	0.000
299	11/17/2017	12:55:01	0.000	0.000	0.000
300	11/17/2017	12:56:01	0.000	0.000	0.000
301	11/17/2017	12:57:01	0.000	0.000	0.000
302	11/17/2017	12:58:01	0.000	0.000	0.000
303	11/17/2017	12:59:01	0.000	0.000	0.000
304	11/17/2017	13:00:01	0.000	0.000	0.000
305	11/17/2017	13:01:01	0.000	0.000	0.000
306	11/17/2017	13:02:01	0.000	0.000	0.000
307	11/17/2017	13:03:01	0.000	0.000	0.000
308	11/17/2017	13:04:01	0.000	0.000	0.000
309	11/17/2017	13:05:01	0.000	0.000	0.000
310	11/17/2017	13:06:01	0.000	0.000	0.000
311	11/17/2017	13:07:01	0.000	0.000	0.000
312	11/17/2017	13:08:01	0.000	0.000	0.000
313	11/17/2017	13:09:01	0.000	0.000	0.000
314	11/17/2017	13:10:01	0.000	0.000	0.000
315	11/17/2017	13:11:01	0.000	0.000	0.000
316	11/17/2017	13:12:01	0.000	0.000	0.000
317	11/17/2017	13:13:01	0.000	0.000	0.000
318	11/17/2017	13:14:01	0.000	0.000	0.000
319	11/17/2017	13:15:01	0.000	0.000	0.000
320	11/17/2017	13:16:01	0.000	0.000	0.000
321	11/17/2017	13:17:01	0.000	0.000	0.000
322	11/17/2017	13:18:01	0.000	0.000	0.000
323	11/17/2017	13:19:01	0.000	0.000	0.000
324	11/17/2017	13:20:01	0.000	0.000	0.000
325	11/17/2017	13:21:01	0.000	0.000	0.000
326	11/17/2017	13:22:01	0.000	0.000	0.000
327	11/17/2017	13:23:01	0.000	0.000	0.000
328	11/17/2017	13:24:01	0.000	0.000	0.000
329	11/17/2017	13:25:01	0.000	0.000	0.000
330	11/17/2017	13:26:01	0.000	0.000	0.000
331	11/17/2017	13:27:01	0.000	0.000	0.000
332	11/17/2017	13:28:01	0.000	0.000	0.000

			Pine_24759_20180226		
333	11/17/2017	13:29:01	0.000	0.000	0.000
334	11/17/2017	13:30:01	0.000	0.000	0.000
335	11/17/2017	13:31:01	0.000	0.000	0.000
336	11/17/2017	13:32:01	0.000	0.000	0.000
337	11/17/2017	13:33:01	0.000	0.000	0.000
338	11/17/2017	13:34:01	0.000	0.000	0.000
339	11/17/2017	13:35:01	0.000	0.000	0.000
340	11/17/2017	13:36:01	0.000	0.000	0.000
341	11/17/2017	13:37:01	0.000	0.000	0.000
342	11/17/2017	13:38:01	0.000	0.000	0.000
343	11/17/2017	13:39:01	0.000	0.000	0.000
344	11/17/2017	13:40:01	0.000	0.000	0.000
345	11/17/2017	13:41:01	0.000	0.000	0.000
346	11/17/2017	13:42:01	0.000	0.000	0.000
347	11/17/2017	13:43:01	0.000	0.000	0.000
348	11/17/2017	13:44:01	0.000	0.000	0.000
349	11/17/2017	13:45:01	0.000	0.000	0.000
350	11/17/2017	13:46:01	0.000	0.000	0.000
351	11/17/2017	13:47:01	0.000	0.000	0.000
352	11/17/2017	13:48:01	0.000	0.000	0.000
353	11/17/2017	13:49:01	0.000	0.000	0.000
354	11/17/2017	13:50:01	0.000	0.000	0.000
355	11/17/2017	13:51:01	0.000	0.000	0.000
356	11/17/2017	13:52:01	0.000	0.000	0.000
357	11/17/2017	13:53:01	0.000	0.000	0.000
358	11/17/2017	13:54:01	0.000	0.000	0.000
359	11/17/2017	13:55:01	0.000	0.000	0.000
360	11/17/2017	13:56:01	0.000	0.000	0.000
361	11/17/2017	13:57:01	0.000	0.000	0.000
362	11/17/2017	13:58:01	0.000	0.000	0.000
363	11/17/2017	13:59:01	0.000	0.000	0.000
364	11/17/2017	14:00:01	0.000	0.000	0.000
365	11/17/2017	14:01:01	0.000	0.000	0.000
366	11/17/2017	14:02:01	0.000	0.000	0.000
367	11/17/2017	14:03:01	0.000	0.000	0.000
368	11/17/2017	14:04:01	0.000	0.000	0.000
369	11/17/2017	14:05:01	0.000	0.000	0.000
370	11/17/2017	14:06:01	0.000	0.000	0.000
371	11/17/2017	14:07:01	0.000	0.000	0.000
372	11/17/2017	14:08:01	0.000	0.000	0.000
373	11/17/2017	14:09:01	0.000	0.000	0.000
374	11/17/2017	14:10:01	0.000	0.000	0.000
375	11/17/2017	14:11:01	0.000	0.000	0.000
376	11/17/2017	14:12:01	0.000	0.000	0.000
377	11/17/2017	14:13:01	0.000	0.000	0.000
378	11/17/2017	14:14:01	0.000	0.000	0.000
379	11/17/2017	14:15:01	0.000	0.000	0.000
380	11/17/2017	14:16:01	0.000	0.000	0.000

			Pine_24759_20180226		
381	11/17/2017	14:17:01	0.000	0.000	0.000
382	11/17/2017	14:18:01	0.000	0.000	0.000
383	11/17/2017	14:19:01	0.000	0.000	0.000
384	11/17/2017	14:20:01	0.000	0.009	0.130
385	11/17/2017	14:21:01	0.000	0.000	0.000
386	11/17/2017	14:22:01	0.000	0.000	0.000
387	11/17/2017	14:23:01	0.000	0.000	0.000
388	11/17/2017	14:24:01	0.000	0.000	0.000
389	11/17/2017	14:25:01	0.000	0.002	0.034
390	11/17/2017	14:26:01	0.000	0.000	0.000
391	11/17/2017	14:27:01	0.000	0.000	0.000
392	11/17/2017	14:28:01	0.000	0.000	0.000
393	11/17/2017	14:29:01	0.000	0.000	0.000
394	11/17/2017	14:30:01	0.000	0.000	0.000
395	11/17/2017	14:31:01	0.000	0.000	0.000
396	11/17/2017	14:32:01	0.000	0.000	0.000
397	11/17/2017	14:33:01	0.000	0.000	0.000
398	11/17/2017	14:34:01	0.000	0.037	0.499
399	11/17/2017	14:35:01	0.000	0.000	0.000
400	11/17/2017	14:36:01	0.000	0.000	0.000
401	11/17/2017	14:37:01	0.000	0.000	0.000
402	11/17/2017	14:38:01	0.000	0.000	0.000
403	11/17/2017	14:39:01	0.000	0.000	0.000
404	11/17/2017	14:40:01	0.000	0.000	0.000
405	11/17/2017	14:41:01	0.000	0.000	0.000
406	11/17/2017	14:42:01	0.000	0.000	0.000
407	11/17/2017	14:43:01	0.000	0.000	0.000
408	11/17/2017	14:44:01	0.000	0.000	0.000
409	11/17/2017	14:45:01	0.000	0.000	0.000
410	11/17/2017	14:46:01	0.000	0.000	0.000
411	11/17/2017	14:47:01	0.000	0.000	0.000
412	11/17/2017	14:48:01	0.000	0.000	0.000
413	11/17/2017	14:49:01	0.000	0.000	0.000
414	11/17/2017	14:50:01	0.000	0.000	0.000
415	11/17/2017	14:51:01	0.000	0.000	0.000
416	11/17/2017	14:52:01	0.000	0.000	0.000
417	11/17/2017	14:53:01	0.000	0.013	0.168
418	11/17/2017	14:54:01	0.000	0.000	0.000
419	11/17/2017	14:55:01	0.000	0.000	0.000
420	11/17/2017	14:56:01	0.000	0.000	0.000
421	11/17/2017	14:57:01	0.000	0.000	0.000
422	11/17/2017	14:58:01	0.000	0.000	0.000
423	11/17/2017	14:59:01	0.000	0.000	0.000
424	11/17/2017	15:00:01	0.000	0.000	0.000
425	11/17/2017	15:01:01	0.000	0.000	0.000
426	11/17/2017	15:02:01	0.000	0.000	0.000
427	11/17/2017	15:03:01	0.000	0.000	0.000
428	11/17/2017	15:04:01	0.000	0.000	0.000

			Pine_24759_20180226		
429	11/17/2017	15:05:01	0.000	0.000	0.000
430	11/17/2017	15:06:01	0.000	0.000	0.000
431	11/17/2017	15:07:01	0.000	0.000	0.000
432	11/17/2017	15:08:01	0.000	0.000	0.000
433	11/17/2017	15:09:01	0.000	0.000	0.000
434	11/17/2017	15:10:01	0.000	0.000	0.000
435	11/17/2017	15:11:01	0.000	0.000	0.000
436	11/17/2017	15:12:01	0.000	0.000	0.000
437	11/17/2017	15:13:01	0.000	0.000	0.000
438	11/17/2017	15:14:01	0.000	0.000	0.000
439	11/17/2017	15:15:01	0.000	0.000	0.000
440	11/17/2017	15:16:01	0.000	0.000	0.000
441	11/17/2017	15:17:01	0.000	0.000	0.000
442	11/17/2017	15:18:01	0.000	0.000	0.000
443	11/17/2017	15:19:01	0.000	0.000	0.000
444	11/17/2017	15:20:01	0.000	0.000	0.000
445	11/17/2017	15:21:01	0.000	0.000	0.000
446	11/17/2017	15:22:01	0.000	0.000	0.000
447	11/17/2017	15:23:01	0.000	0.000	0.000
448	11/17/2017	15:24:01	0.000	0.000	0.000
449	11/17/2017	15:25:01	0.000	0.000	0.000
450	11/17/2017	15:26:01	0.000	0.000	0.000
451	11/17/2017	15:27:01	0.000	0.000	0.000
452	11/17/2017	15:28:01	0.000	0.000	0.000
453	11/17/2017	15:29:01	0.000	0.000	0.000
454	11/17/2017	15:30:01	0.000	0.000	0.000
455	11/17/2017	15:31:01	0.000	0.001	0.024
456	11/17/2017	15:32:01	0.000	0.000	0.000
457	11/17/2017	15:33:01	0.000	0.000	0.000
458	11/17/2017	15:34:01	0.000	0.000	0.000
459	11/17/2017	15:35:01	0.000	0.000	0.000
460	11/17/2017	15:36:01	0.000	0.000	0.000
461	11/17/2017	15:37:01	0.000	0.000	0.000
462	11/17/2017	15:38:01	0.000	0.000	0.000
463	11/17/2017	15:39:01	0.000	0.000	0.000
464	11/17/2017	15:40:01	0.000	0.000	0.000
465	11/17/2017	15:41:01	0.000	0.000	0.000
466	11/17/2017	15:42:01	0.000	0.000	0.000
467	11/17/2017	15:43:01	0.000	0.000	0.000
468	11/17/2017	15:44:01	0.000	0.000	0.000
469	11/17/2017	15:45:01	0.000	0.000	0.000
470	11/17/2017	15:46:01	0.000	0.000	0.000
471	11/17/2017	15:47:01	0.000	0.000	0.000
472	11/17/2017	15:48:01	0.000	0.000	0.000
473	11/17/2017	15:49:01	0.000	0.000	0.000
474	11/17/2017	15:50:01	0.000	0.000	0.000
475	11/17/2017	15:51:01	0.000	0.000	0.000
476	11/17/2017	15:52:01	0.000	0.000	0.000

			Pine_24759_20180226		
477	11/17/2017	15:53:01	0.000	0.000	0.000
478	11/17/2017	15:54:01	0.000	0.000	0.000
479	11/17/2017	15:55:01	0.000	0.000	0.000
480	11/17/2017	15:56:01	0.000	0.000	0.000
481	11/17/2017	15:57:01	0.000	0.000	0.000
482	11/17/2017	15:58:01	0.000	0.000	0.000
483	11/17/2017	15:59:01	0.000	0.000	0.000
484	11/17/2017	16:00:01	0.000	0.000	0.000
485	11/17/2017	16:01:01	0.000	0.000	0.000
486	11/17/2017	16:02:01	0.000	0.000	0.000
487	11/17/2017	16:03:01	0.000	0.000	0.000
488	11/17/2017	16:04:01	0.000	0.000	0.000
489	11/17/2017	16:05:01	0.000	0.000	0.000
490	11/17/2017	16:06:01	0.000	0.000	0.000
491	11/17/2017	16:07:01	0.000	0.000	0.000
492	11/17/2017	16:08:01	0.000	0.000	0.000
493	11/17/2017	16:09:01	0.000	0.001	0.015
494	11/17/2017	16:10:01	0.000	0.000	0.000
495	11/17/2017	16:11:01	0.000	0.000	0.000
496	11/17/2017	16:12:01	0.000	0.000	0.000
497	11/17/2017	16:13:01	0.000	0.000	0.000
498	11/17/2017	16:14:01	0.000	0.000	0.000
499	11/17/2017	16:15:01	0.000	0.000	0.000
Peak		0.000	0.210	1.895	
Min		0.000	0.000	0.000	
Average		0.000	0.001	0.006	

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17/11/20 08:52

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-911219
Unit Firmware Ver	V1.20

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

Site ID	RAE00000
User ID	00000001

Begin	11/20/2017 08:52:24
End	11/20/2017 17:20:22

Pine_24759_20180226

Sample Period(s) 60
Number of Records 507

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	11/20/2017 08:53:24	0.000	0.000	0.000	0.000
002	11/20/2017 08:54:24	0.000	0.000	0.000	0.000
003	11/20/2017 08:55:24	0.000	0.000	0.000	0.000
004	11/20/2017 08:56:24	0.000	0.000	0.000	0.000
005	11/20/2017 08:57:24	0.000	0.000	0.000	0.000
006	11/20/2017 08:58:24	0.000	0.000	0.000	0.000
007	11/20/2017 08:59:24	0.000	0.000	0.000	0.000
008	11/20/2017 09:00:24	0.000	0.000	0.000	0.000
009	11/20/2017 09:01:24	0.000	0.000	0.000	0.000
010	11/20/2017 09:02:24	0.000	0.000	0.000	0.000
011	11/20/2017 09:03:24	0.000	0.000	0.000	0.000
012	11/20/2017 09:04:24	0.000	0.000	0.000	0.000
013	11/20/2017 09:05:24	0.000	0.000	0.000	0.000
014	11/20/2017 09:06:24	0.000	0.000	0.000	0.000
015	11/20/2017 09:07:24	0.000	0.000	0.000	0.000
016	11/20/2017 09:08:24	0.000	0.000	0.000	0.000
017	11/20/2017 09:09:24	0.000	0.000	0.000	0.000
018	11/20/2017 09:10:24	0.000	0.000	0.000	0.000
019	11/20/2017 09:11:24	0.000	0.000	0.000	0.000
020	11/20/2017 09:12:24	0.000	0.000	0.000	0.000
021	11/20/2017 09:13:24	0.000	0.000	0.000	0.000
022	11/20/2017 09:14:24	0.000	0.000	0.000	0.000
023	11/20/2017 09:15:24	0.000	0.000	0.000	0.000
024	11/20/2017 09:16:24	0.000	0.000	0.000	0.000
025	11/20/2017 09:17:24	0.000	0.000	0.000	0.000
026	11/20/2017 09:18:24	0.000	0.000	0.000	0.000
027	11/20/2017 09:19:24	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
028	11/20/2017 09:20:24	0.000	0.000	0.000	
029	11/20/2017 09:21:24	0.000	0.000	0.000	
030	11/20/2017 09:22:24	0.000	0.000	0.000	
031	11/20/2017 09:23:24	0.000	0.000	0.000	
032	11/20/2017 09:24:24	0.000	0.000	0.000	
033	11/20/2017 09:25:24	0.000	0.000	0.000	
034	11/20/2017 09:26:24	0.000	0.000	0.000	
035	11/20/2017 09:27:24	0.000	0.000	0.000	
036	11/20/2017 09:28:24	0.000	0.000	0.000	
037	11/20/2017 09:29:24	0.000	0.000	0.000	
038	11/20/2017 09:30:24	0.000	0.000	0.000	
039	11/20/2017 09:31:24	0.000	0.000	0.000	
040	11/20/2017 09:32:24	0.000	0.000	0.000	
041	11/20/2017 09:33:24	0.000	0.000	0.000	
042	11/20/2017 09:34:24	0.000	0.000	0.000	
043	11/20/2017 09:35:24	0.000	0.000	0.000	
044	11/20/2017 09:36:24	0.000	0.000	0.000	
045	11/20/2017 09:37:24	4261233.925	2458980.889	16908.320	
046	11/20/2017 09:38:24	369557.760	16777.256	2550272.113	
047	11/20/2017 09:39:24	285938.952	992022.795	353835.534	
048	11/20/2017 09:40:24	3953.217	1160785.968	808452.144	
049	11/20/2017 09:41:24	808464.432	808464.640	3.072	
050	11/20/2017 09:42:24	221.697	15787.008	65.536	
051	11/20/2017 09:43:24	0.000	0.000	1644167.415	
052	11/20/2017 09:44:24	831000.843	50857.472	25600.000	
053	11/20/2017 09:45:24	12800.000	25600.000	3840000.000	
054	11/20/2017 09:46:24	6400.000	2560.073	1936679.541	
055	11/20/2017 09:47:24	1954114.661	1852112.896	0.000	
056	11/20/2017 09:48:24	655.360	0.000	0.000	
057	11/20/2017 09:49:24	0.000	0.000	0.000	
058	11/20/2017 09:50:24	0.000	0.000	0.000	
059	11/20/2017 09:51:24	0.000	0.000	0.000	
060	11/20/2017 09:52:24	0.000	0.000	0.000	
061	11/20/2017 09:53:24	0.000	0.000	0.000	
062	11/20/2017 09:54:24	0.000	0.000	0.000	
063	11/20/2017 09:55:24	0.000	0.000	0.000	
064	11/20/2017 09:56:24	0.000	0.000	0.000	
065	11/20/2017 09:57:24	0.000	0.000	0.000	
066	11/20/2017 09:58:24	0.000	0.000	0.000	
067	11/20/2017 09:59:24	0.000	0.000	0.000	
068	11/20/2017 10:00:24	0.000	0.000	0.000	
069	11/20/2017 10:01:24	0.000	0.000	0.000	
070	11/20/2017 10:02:24	0.000	0.000	0.000	
071	11/20/2017 10:03:24	0.000	0.000	0.000	
072	11/20/2017 10:04:24	0.000	0.000	0.000	
073	11/20/2017 10:05:24	0.000	0.000	0.000	
074	11/20/2017 10:06:24	0.000	0.000	0.000	
075	11/20/2017 10:07:24	0.000	0.000	0.000	

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076	11/20/2017	10:08:24	0.000	0.000	0.000
077	11/20/2017	10:09:24	0.000	0.000	0.000
078	11/20/2017	10:10:24	0.000	0.000	0.000
079	11/20/2017	10:11:24	0.000	0.000	0.000
080	11/20/2017	10:12:24	0.000	0.000	0.000
081	11/20/2017	10:13:24	0.000	0.000	0.000
082	11/20/2017	10:14:24	0.000	0.000	0.000
083	11/20/2017	10:15:24	0.000	0.000	0.000
084	11/20/2017	10:16:24	0.000	0.000	0.000
085	11/20/2017	10:17:24	0.000	0.000	0.000
086	11/20/2017	10:18:24	0.000	0.000	0.000
087	11/20/2017	10:19:24	0.000	0.000	0.000
088	11/20/2017	10:20:24	0.000	0.000	0.000
089	11/20/2017	10:21:24	0.000	0.000	0.000
090	11/20/2017	10:22:24	0.000	0.000	0.000
091	11/20/2017	10:23:24	0.000	0.000	0.000
092	11/20/2017	10:24:24	0.000	0.000	0.000
093	11/20/2017	10:25:24	0.000	0.000	0.000
094	11/20/2017	10:26:24	0.000	0.000	0.000
095	11/20/2017	10:27:24	0.000	0.000	0.000
096	11/20/2017	10:28:24	0.000	0.000	0.000
097	11/20/2017	10:29:24	0.000	0.000	0.000
098	11/20/2017	10:30:24	0.000	0.000	0.000
099	11/20/2017	10:31:24	0.000	0.000	0.000
100	11/20/2017	10:32:24	0.000	0.000	0.000
101	11/20/2017	10:33:24	0.000	0.000	0.000
102	11/20/2017	10:34:24	0.000	0.000	0.000
103	11/20/2017	10:35:24	0.000	0.000	0.000
104	11/20/2017	10:36:24	0.000	0.000	0.000
105	11/20/2017	10:37:24	0.000	0.000	0.000
106	11/20/2017	10:38:24	0.000	0.000	0.000
107	11/20/2017	10:39:24	0.000	0.000	0.000
108	11/20/2017	10:40:24	0.000	0.000	0.000
109	11/20/2017	10:41:24	0.000	0.000	0.000
110	11/20/2017	10:42:24	0.000	0.000	0.000
111	11/20/2017	10:43:24	0.000	0.000	0.000
112	11/20/2017	10:44:24	0.000	0.000	0.000
113	11/20/2017	10:45:24	0.000	0.000	0.000
114	11/20/2017	10:46:24	0.000	0.000	0.000
115	11/20/2017	10:47:24	0.000	0.000	0.000
116	11/20/2017	10:48:24	0.000	0.000	0.000
117	11/20/2017	10:49:24	0.000	0.000	0.000
118	11/20/2017	10:50:24	0.000	0.000	0.000
119	11/20/2017	10:51:24	0.000	0.000	0.000
120	11/20/2017	10:52:24	0.000	0.000	0.000
121	11/20/2017	10:53:24	0.000	0.000	0.000
122	11/20/2017	10:54:24	0.000	0.000	0.000
123	11/20/2017	10:55:24	0.000	0.000	0.000

			Pine_24759_20180226		
124	11/20/2017	10:56:24	0.000	0.000	0.000
125	11/20/2017	10:57:24	0.000	0.000	0.000
126	11/20/2017	10:58:24	0.000	0.000	0.000
127	11/20/2017	10:59:24	0.000	0.000	0.000
128	11/20/2017	11:00:24	0.000	0.000	0.000
129	11/20/2017	11:01:24	0.000	0.000	0.000
130	11/20/2017	11:02:24	0.000	0.000	0.000
131	11/20/2017	11:03:24	0.000	0.000	0.000
132	11/20/2017	11:04:24	0.000	0.000	0.000
133	11/20/2017	11:05:24	0.000	0.000	0.000
134	11/20/2017	11:06:24	0.000	0.000	0.000
135	11/20/2017	11:07:24	0.000	0.000	0.000
136	11/20/2017	11:08:24	0.000	0.000	0.000
137	11/20/2017	11:09:24	0.000	0.000	0.000
138	11/20/2017	11:10:24	0.000	0.000	0.000
139	11/20/2017	11:11:24	0.000	0.000	0.000
140	11/20/2017	11:12:24	0.000	0.000	0.000
141	11/20/2017	11:13:24	0.000	0.000	0.000
142	11/20/2017	11:14:24	0.000	0.000	0.000
143	11/20/2017	11:15:24	0.000	0.000	0.000
144	11/20/2017	11:16:24	0.000	0.000	0.000
145	11/20/2017	11:17:24	0.000	0.000	0.000
146	11/20/2017	11:18:24	0.000	0.000	0.000
147	11/20/2017	11:19:24	0.000	0.000	0.000
148	11/20/2017	11:20:24	0.000	0.000	0.000
149	11/20/2017	11:21:24	0.000	0.000	0.000
150	11/20/2017	11:22:24	0.000	0.000	0.000
151	11/20/2017	11:23:24	0.000	0.000	0.000
152	11/20/2017	11:24:24	0.000	0.000	0.000
153	11/20/2017	11:25:24	0.000	0.000	0.000
154	11/20/2017	11:26:24	0.000	0.000	0.000
155	11/20/2017	11:27:24	0.000	0.000	0.000
156	11/20/2017	11:28:24	0.000	0.000	0.000
157	11/20/2017	11:29:24	0.000	0.000	0.000
158	11/20/2017	11:30:24	0.000	0.000	0.000
159	11/20/2017	11:31:24	0.000	0.000	0.000
160	11/20/2017	11:32:24	0.000	0.000	0.000
161	11/20/2017	11:33:24	0.000	0.000	0.000
162	11/20/2017	11:34:24	0.000	0.000	0.000
163	11/20/2017	11:35:24	0.000	0.000	0.000
164	11/20/2017	11:36:24	0.000	0.000	0.000
165	11/20/2017	11:37:24	0.000	0.000	0.000
166	11/20/2017	11:38:24	0.000	0.000	0.000
167	11/20/2017	11:39:24	0.000	0.000	0.000
168	11/20/2017	11:40:24	0.000	0.000	0.000
169	11/20/2017	11:41:24	0.000	0.000	0.000
170	11/20/2017	11:42:24	0.000	0.000	0.000
171	11/20/2017	11:43:24	0.000	0.000	0.000

			Pine_24759_20180226		
172	11/20/2017	11:44:24	0.000	0.000	0.000
173	11/20/2017	11:45:24	0.000	0.000	0.000
174	11/20/2017	11:46:24	0.000	0.000	0.000
175	11/20/2017	11:47:24	0.000	0.000	0.000
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177	11/20/2017	11:49:24	0.000	0.000	0.000
178	11/20/2017	11:50:24	0.000	0.000	0.000
179	11/20/2017	11:51:24	0.000	0.000	0.000
180	11/20/2017	11:52:24	0.000	0.000	0.000
181	11/20/2017	11:53:24	0.000	0.000	0.000
182	11/20/2017	11:54:24	0.000	0.000	0.000
183	11/20/2017	11:55:24	0.000	0.000	0.000
184	11/20/2017	11:56:24	0.000	0.000	0.000
185	11/20/2017	11:57:24	0.000	0.000	0.000
186	11/20/2017	11:58:24	0.000	0.000	0.000
187	11/20/2017	11:59:24	0.000	0.000	0.000
188	11/20/2017	12:00:24	0.000	0.000	0.000
189	11/20/2017	12:01:24	0.000	0.000	0.000
190	11/20/2017	12:02:24	0.000	0.000	0.000
191	11/20/2017	12:03:24	0.000	0.000	0.000
192	11/20/2017	12:04:24	0.000	0.000	0.000
193	11/20/2017	12:05:24	0.000	0.000	0.000
194	11/20/2017	12:06:24	0.000	0.000	0.000
195	11/20/2017	12:07:24	0.000	0.000	0.000
196	11/20/2017	12:08:24	0.000	0.000	0.000
197	11/20/2017	12:09:24	0.000	0.000	0.000
198	11/20/2017	12:10:24	0.000	0.000	0.000
199	11/20/2017	12:11:24	0.000	0.000	0.000
200	11/20/2017	12:12:24	0.000	0.000	0.000
201	11/20/2017	12:13:24	0.000	0.000	0.000
202	11/20/2017	12:14:24	0.000	0.000	0.000
203	11/20/2017	12:15:24	0.000	0.000	0.000
204	11/20/2017	12:16:24	0.000	0.000	0.000
205	11/20/2017	12:17:24	0.000	0.000	0.000
206	11/20/2017	12:18:24	0.000	0.000	0.000
207	11/20/2017	12:19:24	0.000	0.000	0.000
208	11/20/2017	12:20:24	0.000	0.000	0.000
209	11/20/2017	12:21:24	0.000	0.000	0.000
210	11/20/2017	12:22:24	0.000	0.000	0.000
211	11/20/2017	12:23:24	0.000	0.000	0.000
212	11/20/2017	12:24:24	0.000	0.000	0.000
213	11/20/2017	12:25:24	0.000	0.000	0.000
214	11/20/2017	12:26:24	0.000	0.000	0.000
215	11/20/2017	12:27:24	0.000	0.000	0.000
216	11/20/2017	12:28:24	0.000	0.000	0.000
217	11/20/2017	12:29:24	0.000	0.000	0.000
218	11/20/2017	12:30:24	0.000	0.000	0.000
219	11/20/2017	12:31:24	0.000	0.000	0.000

			Pine_24759_20180226		
220	11/20/2017	12:32:24	0.000	0.000	0.000
221	11/20/2017	12:33:24	0.000	0.000	0.000
222	11/20/2017	12:34:24	0.000	0.000	0.000
223	11/20/2017	12:35:24	0.000	0.000	0.000
224	11/20/2017	12:36:24	0.000	0.000	0.000
225	11/20/2017	12:37:24	0.000	0.000	0.000
226	11/20/2017	12:38:24	0.000	0.000	0.000
227	11/20/2017	12:39:24	0.000	0.000	0.000
228	11/20/2017	12:40:24	0.000	0.000	0.000
229	11/20/2017	12:41:24	0.000	0.000	0.000
230	11/20/2017	12:42:24	0.000	0.000	0.000
231	11/20/2017	12:43:24	0.000	0.000	0.000
232	11/20/2017	12:44:24	0.000	0.000	0.000
233	11/20/2017	12:45:24	0.000	0.000	0.000
234	11/20/2017	12:46:24	0.000	0.000	0.000
235	11/20/2017	12:47:24	0.000	0.000	0.000
236	11/20/2017	12:48:24	0.000	0.000	0.000
237	11/20/2017	12:49:24	0.000	0.000	0.000
238	11/20/2017	12:50:24	0.000	0.000	0.000
239	11/20/2017	12:51:24	0.000	0.000	0.000
240	11/20/2017	12:52:24	0.000	0.000	0.000
241	11/20/2017	12:53:24	0.000	0.000	0.000
242	11/20/2017	12:54:24	0.000	0.000	0.000
243	11/20/2017	12:55:24	0.000	0.000	0.000
244	11/20/2017	12:56:24	0.000	0.000	0.000
245	11/20/2017	12:57:24	0.000	0.000	0.000
246	11/20/2017	12:58:24	0.000	0.000	0.000
247	11/20/2017	12:59:24	0.000	0.000	0.000
248	11/20/2017	13:00:24	0.000	0.000	0.000
249	11/20/2017	13:01:24	0.000	0.000	0.000
250	11/20/2017	13:02:24	0.000	0.000	0.000
251	11/20/2017	13:03:24	0.000	0.000	0.000
252	11/20/2017	13:04:24	0.000	0.000	0.000
253	11/20/2017	13:05:24	0.000	0.000	0.000
254	11/20/2017	13:06:24	0.000	0.000	0.000
255	11/20/2017	13:07:24	0.000	0.000	0.000
256	11/20/2017	13:08:24	0.000	0.000	0.000
257	11/20/2017	13:09:24	0.000	0.000	0.000
258	11/20/2017	13:10:24	0.000	0.000	0.000
259	11/20/2017	13:11:24	0.000	0.000	0.000
260	11/20/2017	13:12:24	0.000	0.000	0.000
261	11/20/2017	13:13:24	0.000	0.000	0.000
262	11/20/2017	13:14:24	0.000	0.000	0.000
263	11/20/2017	13:15:24	0.000	0.000	0.000
264	11/20/2017	13:16:24	0.000	0.000	0.000
265	11/20/2017	13:17:24	0.000	0.000	0.000
266	11/20/2017	13:18:24	0.000	0.000	0.000
267	11/20/2017	13:19:24	0.000	0.000	0.000

			Pine_24759_20180226		
268	11/20/2017	13:20:24	0.000	0.000	0.000
269	11/20/2017	13:21:24	0.000	0.000	0.000
270	11/20/2017	13:22:24	0.000	0.000	0.000
271	11/20/2017	13:23:24	0.000	0.000	0.000
272	11/20/2017	13:24:24	0.000	0.000	0.000
273	11/20/2017	13:25:24	0.000	0.000	0.000
274	11/20/2017	13:26:24	0.000	0.000	0.000
275	11/20/2017	13:27:24	0.000	0.000	0.000
276	11/20/2017	13:28:24	0.000	0.000	0.000
277	11/20/2017	13:29:24	0.000	0.000	0.000
278	11/20/2017	13:30:24	0.000	0.000	0.000
279	11/20/2017	13:31:24	0.000	0.000	0.000
280	11/20/2017	13:32:24	0.000	0.000	0.000
281	11/20/2017	13:33:24	0.000	0.000	0.000
282	11/20/2017	13:34:24	0.000	0.000	0.000
283	11/20/2017	13:35:24	0.000	0.000	0.000
284	11/20/2017	13:36:24	0.000	0.000	0.000
285	11/20/2017	13:37:24	0.000	0.000	0.000
286	11/20/2017	13:38:24	0.000	0.000	0.000
287	11/20/2017	13:39:24	0.000	0.000	0.000
288	11/20/2017	13:40:24	0.000	0.000	0.000
289	11/20/2017	13:41:24	0.000	0.000	0.000
290	11/20/2017	13:42:24	0.000	0.000	0.000
291	11/20/2017	13:43:24	0.000	0.000	0.000
292	11/20/2017	13:44:24	0.000	0.000	0.000
293	11/20/2017	13:45:24	0.000	0.000	0.000
294	11/20/2017	13:46:24	0.000	0.000	0.000
295	11/20/2017	13:47:24	0.000	0.000	0.000
296	11/20/2017	13:48:24	0.000	0.000	0.000
297	11/20/2017	13:49:24	0.000	0.000	0.000
298	11/20/2017	13:50:24	0.000	0.000	0.000
299	11/20/2017	13:51:24	0.000	0.000	0.000
300	11/20/2017	13:52:24	0.000	0.000	0.000
301	11/20/2017	13:53:24	0.000	0.000	0.000
302	11/20/2017	13:54:24	0.000	0.000	0.000
303	11/20/2017	13:55:24	0.000	0.000	0.000
304	11/20/2017	13:56:24	0.000	0.000	0.000
305	11/20/2017	13:57:24	0.000	0.000	0.000
306	11/20/2017	13:58:24	0.000	0.000	0.003
307	11/20/2017	13:59:24	0.000	0.000	0.000
308	11/20/2017	14:00:24	0.000	0.000	0.000
309	11/20/2017	14:01:24	0.000	0.000	0.000
310	11/20/2017	14:02:24	0.000	0.000	0.000
311	11/20/2017	14:03:24	0.000	0.000	0.000
312	11/20/2017	14:04:24	0.000	0.000	0.000
313	11/20/2017	14:05:24	0.000	0.000	0.000
314	11/20/2017	14:06:24	0.000	0.000	0.000
315	11/20/2017	14:07:24	0.000	0.000	0.000

			Pine_24759_20180226		
316	11/20/2017	14:08:24	0.000	0.000	0.000
317	11/20/2017	14:09:24	0.000	0.000	0.000
318	11/20/2017	14:10:24	0.000	0.000	0.000
319	11/20/2017	14:11:24	0.000	0.000	0.000
320	11/20/2017	14:12:24	0.000	0.000	0.000
321	11/20/2017	14:13:24	0.000	0.000	0.000
322	11/20/2017	14:14:24	0.000	0.000	0.000
323	11/20/2017	14:15:24	0.000	0.000	0.000
324	11/20/2017	14:16:24	0.000	0.000	0.000
325	11/20/2017	14:17:24	0.000	0.000	0.000
326	11/20/2017	14:18:24	0.000	0.000	0.000
327	11/20/2017	14:19:24	0.000	0.000	0.000
328	11/20/2017	14:20:24	0.000	0.000	0.000
329	11/20/2017	14:21:24	0.000	0.000	0.000
330	11/20/2017	14:22:24	0.000	0.000	0.000
331	11/20/2017	14:23:24	0.000	0.000	0.000
332	11/20/2017	14:24:24	0.000	0.000	0.000
333	11/20/2017	14:25:24	0.000	0.000	0.000
334	11/20/2017	14:26:24	0.000	0.000	0.000
335	11/20/2017	14:27:24	0.000	0.000	0.000
336	11/20/2017	14:28:24	0.000	0.000	0.000
337	11/20/2017	14:29:24	0.000	0.000	0.000
338	11/20/2017	14:30:24	0.000	0.000	0.000
339	11/20/2017	14:31:24	0.000	0.000	0.000
340	11/20/2017	14:32:24	0.000	0.000	0.000
341	11/20/2017	14:33:24	0.000	0.000	0.000
342	11/20/2017	14:34:24	0.000	0.000	0.000
343	11/20/2017	14:35:24	0.000	0.000	0.000
344	11/20/2017	14:36:24	0.000	0.000	0.000
345	11/20/2017	14:37:24	0.000	0.000	0.000
346	11/20/2017	14:38:24	0.000	0.000	0.000
347	11/20/2017	14:39:24	0.000	0.000	0.000
348	11/20/2017	14:40:24	0.000	0.000	0.000
349	11/20/2017	14:41:24	0.000	0.000	0.000
350	11/20/2017	14:42:24	0.000	0.000	0.000
351	11/20/2017	14:43:24	0.000	0.000	0.000
352	11/20/2017	14:44:24	0.000	0.000	0.000
353	11/20/2017	14:45:24	0.000	0.000	0.000
354	11/20/2017	14:46:24	0.000	0.000	0.000
355	11/20/2017	14:47:24	0.000	0.000	0.000
356	11/20/2017	14:48:24	0.000	0.000	0.000
357	11/20/2017	14:49:24	0.000	0.000	0.000
358	11/20/2017	14:50:24	0.000	0.000	0.000
359	11/20/2017	14:51:24	0.000	0.000	0.000
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362	11/20/2017	14:54:24	0.000	0.000	0.000
363	11/20/2017	14:55:24	0.000	0.000	0.000

			Pine_24759_20180226		
364	11/20/2017	14:56:24	0.000	0.000	0.000
365	11/20/2017	14:57:24	0.000	0.000	0.000
366	11/20/2017	14:58:24	0.000	0.000	0.000
367	11/20/2017	14:59:24	0.000	0.000	0.000
368	11/20/2017	15:00:24	0.000	0.000	0.000
369	11/20/2017	15:01:24	0.000	0.000	0.000
370	11/20/2017	15:02:24	0.000	0.000	0.000
371	11/20/2017	15:03:24	0.000	0.000	0.000
372	11/20/2017	15:04:24	0.000	0.000	0.000
373	11/20/2017	15:05:24	0.000	0.000	0.000
374	11/20/2017	15:06:24	0.000	0.000	0.000
375	11/20/2017	15:07:24	0.000	0.000	0.000
376	11/20/2017	15:08:24	0.000	0.000	0.000
377	11/20/2017	15:09:24	0.000	0.000	0.000
378	11/20/2017	15:10:24	0.000	0.000	0.000
379	11/20/2017	15:11:24	0.000	0.000	0.000
380	11/20/2017	15:12:24	0.000	0.000	0.000
381	11/20/2017	15:13:24	0.000	0.000	0.000
382	11/20/2017	15:14:24	0.000	0.000	0.000
383	11/20/2017	15:15:24	0.000	0.000	0.000
384	11/20/2017	15:16:24	0.000	0.000	0.000
385	11/20/2017	15:17:24	0.000	0.000	0.000
386	11/20/2017	15:18:24	0.000	0.000	0.000
387	11/20/2017	15:19:24	0.000	0.000	0.000
388	11/20/2017	15:20:24	0.000	0.000	0.000
389	11/20/2017	15:21:24	0.000	0.000	0.000
390	11/20/2017	15:22:24	0.000	0.000	0.000
391	11/20/2017	15:23:24	0.000	0.000	0.000
392	11/20/2017	15:24:24	0.000	0.000	0.000
393	11/20/2017	15:25:24	0.000	0.000	0.000
394	11/20/2017	15:26:24	0.000	0.000	0.000
395	11/20/2017	15:27:24	0.000	0.000	0.000
396	11/20/2017	15:28:24	0.000	0.000	0.000
397	11/20/2017	15:29:24	0.000	0.000	0.000
398	11/20/2017	15:30:24	0.000	0.000	0.000
399	11/20/2017	15:31:24	0.000	0.000	0.000
400	11/20/2017	15:32:24	0.000	0.000	0.000
401	11/20/2017	15:33:24	0.000	0.000	0.000
402	11/20/2017	15:34:24	0.000	0.000	0.000
403	11/20/2017	15:35:24	0.000	0.000	0.000
404	11/20/2017	15:36:24	0.000	0.000	0.000
405	11/20/2017	15:37:24	0.000	0.000	0.000
406	11/20/2017	15:38:24	0.000	0.000	0.000
407	11/20/2017	15:39:24	0.000	0.000	0.000
408	11/20/2017	15:40:24	0.000	0.000	0.000
409	11/20/2017	15:41:24	0.000	0.000	0.000
410	11/20/2017	15:42:24	0.000	0.000	0.000
411	11/20/2017	15:43:24	0.000	0.000	0.000

			Pine_24759_20180226		
412	11/20/2017	15:44:24	0.000	0.000	0.000
413	11/20/2017	15:45:24	0.000	0.000	0.000
414	11/20/2017	15:46:24	0.000	0.000	0.000
415	11/20/2017	15:47:24	0.000	0.000	0.000
416	11/20/2017	15:48:24	0.000	0.000	0.000
417	11/20/2017	15:49:24	0.000	0.000	0.000
418	11/20/2017	15:50:24	0.000	0.000	0.000
419	11/20/2017	15:51:24	0.000	0.000	0.000
420	11/20/2017	15:52:24	0.000	0.000	0.000
421	11/20/2017	15:53:24	0.000	0.000	0.000
422	11/20/2017	15:54:24	0.000	0.000	0.000
423	11/20/2017	15:55:24	0.000	0.000	0.000
424	11/20/2017	15:56:24	0.000	0.000	0.000
425	11/20/2017	15:57:24	0.000	0.000	0.000
426	11/20/2017	15:58:24	0.000	0.000	0.000
427	11/20/2017	15:59:24	0.000	0.000	0.000
428	11/20/2017	16:00:24	0.000	0.000	0.000
429	11/20/2017	16:01:24	0.000	0.000	0.000
430	11/20/2017	16:02:24	0.000	0.000	0.000
431	11/20/2017	16:03:24	0.000	0.000	0.000
432	11/20/2017	16:04:24	0.000	0.000	0.000
433	11/20/2017	16:05:24	0.000	0.000	0.000
434	11/20/2017	16:06:24	0.000	0.000	0.000
435	11/20/2017	16:07:24	0.000	0.000	0.000
436	11/20/2017	16:08:24	0.000	0.000	0.000
437	11/20/2017	16:09:24	0.000	0.000	0.000
438	11/20/2017	16:10:24	0.000	0.000	0.000
439	11/20/2017	16:11:24	0.000	0.000	0.000
440	11/20/2017	16:12:24	0.000	0.000	0.000
441	11/20/2017	16:13:24	0.000	0.000	0.000
442	11/20/2017	16:14:24	0.000	0.000	0.000
443	11/20/2017	16:15:24	0.000	0.000	0.000
444	11/20/2017	16:16:24	0.000	0.000	0.000
445	11/20/2017	16:17:24	0.000	0.000	0.000
446	11/20/2017	16:18:24	0.000	0.000	0.000
447	11/20/2017	16:19:24	0.000	0.000	0.000
448	11/20/2017	16:20:24	0.000	0.000	0.000
449	11/20/2017	16:21:24	0.000	0.000	0.000
450	11/20/2017	16:22:24	0.000	0.000	0.000
451	11/20/2017	16:23:24	0.000	0.000	0.000
452	11/20/2017	16:24:24	0.000	0.000	0.000
453	11/20/2017	16:25:24	0.000	0.000	0.000
454	11/20/2017	16:26:24	0.000	0.000	0.000
455	11/20/2017	16:27:24	0.000	0.000	0.000
456	11/20/2017	16:28:24	0.000	0.000	0.000
457	11/20/2017	16:29:24	0.000	0.000	0.000
458	11/20/2017	16:30:24	0.000	0.000	0.000
459	11/20/2017	16:31:24	0.000	0.000	0.000

			Pine_24759_20180226		
460	11/20/2017	16:32:24	0.000	0.000	0.000
461	11/20/2017	16:33:24	0.000	0.000	0.000
462	11/20/2017	16:34:24	0.000	0.000	0.000
463	11/20/2017	16:35:24	0.000	0.000	0.000
464	11/20/2017	16:36:24	0.000	0.000	0.000
465	11/20/2017	16:37:24	0.000	0.000	0.000
466	11/20/2017	16:38:24	0.000	0.000	0.000
467	11/20/2017	16:39:24	0.000	0.000	0.000
468	11/20/2017	16:40:24	0.000	0.000	0.000
469	11/20/2017	16:41:24	0.000	0.000	0.000
470	11/20/2017	16:42:24	0.000	0.000	0.000
471	11/20/2017	16:43:24	0.000	0.000	0.000
472	11/20/2017	16:44:24	0.000	0.000	0.000
473	11/20/2017	16:45:24	0.000	0.000	0.000
474	11/20/2017	16:46:24	0.000	0.000	0.000
475	11/20/2017	16:47:24	0.000	0.000	0.000
476	11/20/2017	16:48:24	0.000	0.000	0.000
477	11/20/2017	16:49:24	0.000	0.000	0.000
478	11/20/2017	16:50:24	0.000	0.000	0.000
479	11/20/2017	16:51:24	0.000	0.000	0.000
480	11/20/2017	16:52:24	0.000	0.000	0.000
481	11/20/2017	16:53:24	0.000	0.000	0.000
482	11/20/2017	16:54:24	0.000	0.000	0.000
483	11/20/2017	16:55:24	0.000	0.000	0.000
484	11/20/2017	16:56:24	0.000	0.000	0.000
485	11/20/2017	16:57:24	0.000	0.000	0.000
486	11/20/2017	16:58:24	0.000	0.000	0.000
487	11/20/2017	16:59:24	0.000	0.000	0.000
488	11/20/2017	17:00:24	0.000	0.000	0.000
489	11/20/2017	17:01:24	0.000	0.000	0.000
490	11/20/2017	17:02:24	0.000	0.000	0.000
491	11/20/2017	17:03:24	0.000	0.000	0.000
492	11/20/2017	17:04:24	0.000	0.000	0.000
493	11/20/2017	17:05:24	0.000	0.000	0.000
494	11/20/2017	17:06:24	0.000	0.000	0.000
495	11/20/2017	17:07:24	0.000	0.000	0.000
496	11/20/2017	17:08:24	0.000	0.000	0.000
497	11/20/2017	17:09:24	0.000	0.000	0.000
498	11/20/2017	17:10:24	0.000	0.000	0.000
499	11/20/2017	17:11:24	0.000	0.000	0.000
500	11/20/2017	17:12:24	0.000	0.000	0.000
501	11/20/2017	17:13:24	0.000	0.000	0.000
502	11/20/2017	17:14:24	0.000	0.000	0.000
503	11/20/2017	17:15:24	0.000	0.000	0.000
504	11/20/2017	17:16:24	0.000	0.000	0.000
505	11/20/2017	17:17:24	0.000	0.000	0.000
506	11/20/2017	17:18:24	0.000	0.000	0.000
507	11/20/2017	17:19:24	0.000	0.000	0.000

			Pine_24759_20180226
Peak	4261233.925	2458980.889	3840000.000
Min	0.000 0.000	0.000	
Average	16833.019	14564.002	22043.360

=====

17/11/21 08:59

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

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

Site ID RAE00000

User ID 00000001

Begin 11/21/2017 08:59:33

End 11/21/2017 23:26:14

Sample Period(s) 60

Number of Records 866

Sensor VOC(ppm)

Span 100.000

Span 2 N/A

Low Alarm 50.000

High Alarm 100.000

Over Alarm 15000.000

STEL Alarm 25.000

TWA Alarm 10.000

Measurement Gas Isobutylene

Calibration Time 11/3/2017 08:06

Peak N/A

Min N/A

Average N/A

Datalog

		VOC(ppm)	VOC(ppm)	VOC(ppm)
Index	Date/Time	(Min)	(Avg)	(Max)
001	11/21/2017 09:00:33	0.000	0.000	0.000
002	11/21/2017 09:01:33	0.000	0.000	0.000

			Pine_24759_20180226		
003	11/21/2017	09:02:33	0.000	0.000	0.000
004	11/21/2017	09:03:33	0.000	0.000	0.000
005	11/21/2017	09:04:33	0.000	0.000	0.000
006	11/21/2017	09:05:33	0.000	0.000	0.000
007	11/21/2017	09:06:33	0.000	0.000	0.000
008	11/21/2017	09:07:33	0.000	0.000	0.000
009	11/21/2017	09:08:33	0.000	0.000	0.000
010	11/21/2017	09:09:33	0.000	0.000	0.000
011	11/21/2017	09:10:33	0.000	0.000	0.000
012	11/21/2017	09:11:33	0.000	0.000	0.000
013	11/21/2017	09:12:33	0.000	0.000	0.000
014	11/21/2017	09:13:33	0.000	0.000	0.000
015	11/21/2017	09:14:33	0.000	0.000	0.000
016	11/21/2017	09:15:33	0.000	0.000	0.000
017	11/21/2017	09:16:33	0.000	0.000	0.000
018	11/21/2017	09:17:33	0.000	0.000	0.000
019	11/21/2017	09:18:33	0.000	0.000	0.000
020	11/21/2017	09:19:33	0.000	0.000	0.000
021	11/21/2017	09:20:33	0.000	0.000	0.000
022	11/21/2017	09:21:33	0.000	0.000	0.000
023	11/21/2017	09:22:33	0.000	0.000	0.000
024	11/21/2017	09:23:33	0.000	0.000	0.000
025	11/21/2017	09:24:33	0.000	0.000	0.000
026	11/21/2017	09:25:33	0.000	0.000	0.000
027	11/21/2017	09:26:33	0.000	0.000	0.000
028	11/21/2017	09:27:33	0.000	0.000	0.000
029	11/21/2017	09:28:33	0.000	0.000	0.000
030	11/21/2017	09:29:33	0.000	0.000	0.000
031	11/21/2017	09:30:33	0.000	0.000	0.000
032	11/21/2017	09:31:33	0.000	0.000	0.000
033	11/21/2017	09:32:33	0.000	0.000	0.000
034	11/21/2017	09:33:33	0.000	0.000	0.000
035	11/21/2017	09:34:33	0.000	0.000	0.000
036	11/21/2017	09:35:33	0.000	0.000	0.000
037	11/21/2017	09:36:33	0.000	0.000	0.000
038	11/21/2017	09:37:33	0.000	0.000	0.000
039	11/21/2017	09:38:33	0.000	0.000	0.000
040	11/21/2017	09:39:33	0.000	0.000	0.000
041	11/21/2017	09:40:33	0.000	0.000	0.000
042	11/21/2017	09:41:33	0.000	0.000	0.000
043	11/21/2017	09:42:33	0.000	0.000	0.000
044	11/21/2017	09:43:33	0.000	0.000	0.000
045	11/21/2017	09:44:33	0.000	0.000	0.000
046	11/21/2017	09:45:33	0.000	0.000	0.000
047	11/21/2017	09:46:33	0.000	0.000	0.000
048	11/21/2017	09:47:33	0.000	0.000	0.000
049	11/21/2017	09:48:33	0.000	0.000	0.000
050	11/21/2017	09:49:33	0.000	0.000	0.000

			Pine_24759_20180226		
051	11/21/2017	09:50:33	0.000	0.000	0.000
052	11/21/2017	09:51:33	0.000	0.000	0.000
053	11/21/2017	09:52:33	0.000	0.000	0.000
054	11/21/2017	09:53:33	0.000	0.000	0.000
055	11/21/2017	09:54:33	0.000	0.000	0.000
056	11/21/2017	09:55:33	0.000	0.000	0.000
057	11/21/2017	09:56:33	0.000	0.000	0.000
058	11/21/2017	09:57:33	0.000	0.000	0.000
059	11/21/2017	09:58:33	0.000	0.000	0.000
060	11/21/2017	09:59:33	0.000	0.000	0.000
061	11/21/2017	10:00:33	0.000	0.000	0.000
062	11/21/2017	10:01:33	0.000	0.000	0.000
063	11/21/2017	10:02:33	0.000	0.000	0.000
064	11/21/2017	10:03:33	0.000	0.000	0.000
065	11/21/2017	10:04:33	0.000	0.000	0.000
066	11/21/2017	10:05:33	0.000	0.000	0.000
067	11/21/2017	10:06:33	0.000	0.000	0.000
068	11/21/2017	10:07:33	0.000	0.000	0.000
069	11/21/2017	10:08:33	0.000	0.000	0.000
070	11/21/2017	10:09:33	0.000	0.000	0.000
071	11/21/2017	10:10:33	0.000	0.000	0.000
072	11/21/2017	10:11:33	0.000	0.000	0.000
073	11/21/2017	10:12:33	0.000	0.000	0.000
074	11/21/2017	10:13:33	0.000	0.000	0.000
075	11/21/2017	10:14:33	0.000	0.000	0.000
076	11/21/2017	10:15:33	0.000	0.000	0.000
077	11/21/2017	10:16:33	0.000	0.000	0.000
078	11/21/2017	10:17:33	0.000	0.000	0.000
079	11/21/2017	10:18:33	0.000	0.000	0.000
080	11/21/2017	10:19:33	0.000	0.000	0.000
081	11/21/2017	10:20:33	0.000	0.000	0.000
082	11/21/2017	10:21:33	0.000	0.000	0.000
083	11/21/2017	10:22:33	0.000	0.000	0.000
084	11/21/2017	10:23:33	0.000	0.000	0.000
085	11/21/2017	10:24:33	0.000	0.000	0.000
086	11/21/2017	10:25:33	0.000	0.000	0.000
087	11/21/2017	10:26:33	0.000	0.000	0.000
088	11/21/2017	10:27:33	0.000	0.000	0.000
089	11/21/2017	10:28:33	0.000	0.000	0.000
090	11/21/2017	10:29:33	0.000	0.000	0.000
091	11/21/2017	10:30:33	0.000	0.000	0.000
092	11/21/2017	10:31:33	0.000	0.000	0.000
093	11/21/2017	10:32:33	0.000	0.000	0.000
094	11/21/2017	10:33:33	0.000	0.000	0.000
095	11/21/2017	10:34:33	0.000	0.000	0.000
096	11/21/2017	10:35:33	0.000	0.000	0.000
097	11/21/2017	10:36:33	0.000	0.000	0.000
098	11/21/2017	10:37:33	0.000	0.000	0.000

			Pine_24759_20180226		
099	11/21/2017	10:38:33	0.000	0.000	0.000
100	11/21/2017	10:39:33	0.000	0.000	0.000
101	11/21/2017	10:40:33	0.000	0.000	0.000
102	11/21/2017	10:41:33	0.000	0.000	0.000
103	11/21/2017	10:42:33	0.000	0.000	0.000
104	11/21/2017	10:43:33	0.000	0.000	0.000
105	11/21/2017	10:44:33	0.000	0.000	0.000
106	11/21/2017	10:45:33	0.000	0.000	0.000
107	11/21/2017	10:46:33	0.000	0.000	0.000
108	11/21/2017	10:47:33	0.000	0.000	0.000
109	11/21/2017	10:48:33	0.000	0.000	0.000
110	11/21/2017	10:49:33	0.000	0.000	0.000
111	11/21/2017	10:50:33	0.000	0.000	0.000
112	11/21/2017	10:51:33	0.000	0.000	0.000
113	11/21/2017	10:52:33	0.000	0.000	0.000
114	11/21/2017	10:53:33	0.000	0.000	0.000
115	11/21/2017	10:54:33	0.000	0.000	0.000
116	11/21/2017	10:55:33	0.000	0.000	0.000
117	11/21/2017	10:56:33	0.000	0.000	0.000
118	11/21/2017	10:57:33	0.000	0.000	0.000
119	11/21/2017	10:58:33	0.000	0.000	0.000
120	11/21/2017	10:59:33	0.000	0.000	0.000
121	11/21/2017	11:00:33	0.000	0.000	0.000
122	11/21/2017	11:01:33	0.000	0.000	0.000
123	11/21/2017	11:02:33	0.000	0.000	0.000
124	11/21/2017	11:03:33	0.000	0.000	0.000
125	11/21/2017	11:04:33	0.000	0.000	0.000
126	11/21/2017	11:05:33	0.000	0.000	0.000
127	11/21/2017	11:06:33	0.000	0.000	0.000
128	11/21/2017	11:07:33	0.000	0.000	0.000
129	11/21/2017	11:08:33	0.000	0.000	0.000
130	11/21/2017	11:09:33	0.000	0.000	0.000
131	11/21/2017	11:10:33	0.000	0.000	0.000
132	11/21/2017	11:11:33	0.000	0.000	0.000
133	11/21/2017	11:12:33	0.000	0.000	0.000
134	11/21/2017	11:13:33	0.000	0.000	0.000
135	11/21/2017	11:14:33	0.000	0.000	0.000
136	11/21/2017	11:15:33	0.000	0.000	0.000
137	11/21/2017	11:16:33	0.000	0.000	0.000
138	11/21/2017	11:17:33	0.000	0.000	0.000
139	11/21/2017	11:18:33	0.000	0.000	0.000
140	11/21/2017	11:19:33	0.000	0.000	0.000
141	11/21/2017	11:20:33	0.000	0.000	0.000
142	11/21/2017	11:21:33	0.000	0.000	0.000
143	11/21/2017	11:22:33	0.000	0.000	0.000
144	11/21/2017	11:23:33	0.000	0.000	0.000
145	11/21/2017	11:24:33	0.000	0.000	0.000
146	11/21/2017	11:25:33	0.000	0.000	0.000

			Pine_24759_20180226		
147	11/21/2017	11:26:33	0.000	0.000	0.000
148	11/21/2017	11:27:33	0.000	0.000	0.000
149	11/21/2017	11:28:33	0.000	0.000	0.000
150	11/21/2017	11:29:33	0.000	0.000	0.000
151	11/21/2017	11:30:33	0.000	0.000	0.000
152	11/21/2017	11:31:33	0.000	0.000	0.000
153	11/21/2017	11:32:33	0.000	0.000	0.000
154	11/21/2017	11:33:33	0.000	0.000	0.000
155	11/21/2017	11:34:33	0.000	0.000	0.000
156	11/21/2017	11:35:33	0.000	0.000	0.000
157	11/21/2017	11:36:33	0.000	0.000	0.000
158	11/21/2017	11:37:33	0.000	0.000	0.000
159	11/21/2017	11:38:33	0.000	0.000	0.000
160	11/21/2017	11:39:33	0.000	0.000	0.000
161	11/21/2017	11:40:33	0.000	0.000	0.000
162	11/21/2017	11:41:33	0.000	0.000	0.000
163	11/21/2017	11:42:33	0.000	0.000	0.000
164	11/21/2017	11:43:33	0.000	0.000	0.000
165	11/21/2017	11:44:33	0.000	0.000	0.000
166	11/21/2017	11:45:33	0.000	0.000	0.000
167	11/21/2017	11:46:33	0.000	0.000	0.000
168	11/21/2017	11:47:33	0.000	0.000	0.000
169	11/21/2017	11:48:33	0.000	0.000	0.000
170	11/21/2017	11:49:33	0.000	0.000	0.000
171	11/21/2017	11:50:33	0.000	0.000	0.000
172	11/21/2017	11:51:33	0.000	0.000	0.000
173	11/21/2017	11:52:33	0.000	0.000	0.000
174	11/21/2017	11:53:33	0.000	0.000	0.000
175	11/21/2017	11:54:33	0.000	0.000	0.000
176	11/21/2017	11:55:33	0.000	0.000	0.000
177	11/21/2017	11:56:33	0.000	0.000	0.000
178	11/21/2017	11:57:33	0.000	0.000	0.000
179	11/21/2017	11:58:33	0.000	0.000	0.000
180	11/21/2017	11:59:33	0.000	0.000	0.000
181	11/21/2017	12:00:33	0.000	0.000	0.000
182	11/21/2017	12:01:33	0.000	0.000	0.000
183	11/21/2017	12:02:33	0.000	0.000	0.000
184	11/21/2017	12:03:33	0.000	0.000	0.000
185	11/21/2017	12:04:33	0.000	0.000	0.000
186	11/21/2017	12:05:33	0.000	0.000	0.000
187	11/21/2017	12:06:33	0.000	0.000	0.000
188	11/21/2017	12:07:33	0.000	0.000	0.000
189	11/21/2017	12:08:33	0.000	0.000	0.000
190	11/21/2017	12:09:33	0.000	0.000	0.000
191	11/21/2017	12:10:33	0.000	0.000	0.000
192	11/21/2017	12:11:33	0.000	0.000	0.000
193	11/21/2017	12:12:33	0.000	0.000	0.000
194	11/21/2017	12:13:33	0.000	0.000	0.000

			Pine_24759_20180226		
195	11/21/2017	12:14:33	0.000	0.000	0.000
196	11/21/2017	12:15:33	0.000	0.000	0.000
197	11/21/2017	12:16:33	0.000	0.000	0.000
198	11/21/2017	12:17:33	0.000	0.000	0.000
199	11/21/2017	12:18:33	0.000	0.000	0.000
200	11/21/2017	12:19:33	0.000	0.000	0.000
201	11/21/2017	12:20:33	0.000	0.000	0.000
202	11/21/2017	12:21:33	0.000	0.000	0.000
203	11/21/2017	12:22:33	0.000	0.000	0.000
204	11/21/2017	12:23:33	0.000	0.000	0.000
205	11/21/2017	12:24:33	0.000	0.000	0.000
206	11/21/2017	12:25:33	0.000	0.000	0.000
207	11/21/2017	12:26:33	0.000	0.000	0.000
208	11/21/2017	12:27:33	0.000	0.000	0.000
209	11/21/2017	12:28:33	0.000	0.000	0.000
210	11/21/2017	12:29:33	0.000	0.000	0.000
211	11/21/2017	12:30:33	0.000	0.000	0.000
212	11/21/2017	12:31:33	0.000	0.000	0.000
213	11/21/2017	12:32:33	0.000	0.000	0.000
214	11/21/2017	12:33:33	0.000	0.000	0.000
215	11/21/2017	12:34:33	0.000	0.000	0.000
216	11/21/2017	12:35:33	0.000	0.000	0.000
217	11/21/2017	12:36:33	0.000	0.000	0.000
218	11/21/2017	12:37:33	0.000	0.000	0.003
219	11/21/2017	12:38:33	0.000	0.000	0.000
220	11/21/2017	12:39:33	0.000	0.000	0.000
221	11/21/2017	12:40:33	0.000	0.000	0.000
222	11/21/2017	12:41:33	0.000	0.000	0.000
223	11/21/2017	12:42:33	0.000	0.000	0.000
224	11/21/2017	12:43:33	0.000	0.000	0.000
225	11/21/2017	12:44:33	0.000	0.000	0.000
226	11/21/2017	12:45:33	0.000	0.000	0.000
227	11/21/2017	12:46:33	0.000	0.000	0.000
228	11/21/2017	12:47:33	0.000	0.000	0.000
229	11/21/2017	12:48:33	0.000	0.000	0.000
230	11/21/2017	12:49:33	0.000	0.000	0.000
231	11/21/2017	12:50:33	0.000	0.000	0.000
232	11/21/2017	12:51:33	0.000	0.000	0.000
233	11/21/2017	12:52:33	0.000	0.000	0.000
234	11/21/2017	12:53:33	0.000	0.000	0.000
235	11/21/2017	12:54:33	0.000	0.000	0.000
236	11/21/2017	12:55:33	0.000	0.000	0.000
237	11/21/2017	12:56:33	0.000	0.000	0.000
238	11/21/2017	12:57:33	0.000	0.000	0.000
239	11/21/2017	12:58:33	0.000	0.000	0.000
240	11/21/2017	12:59:33	0.000	0.000	0.000
241	11/21/2017	13:00:33	0.000	0.000	0.000
242	11/21/2017	13:01:33	0.000	0.000	0.000

			Pine_24759_20180226		
243	11/21/2017	13:02:33	0.000	0.000	0.000
244	11/21/2017	13:03:33	0.000	0.000	0.000
245	11/21/2017	13:04:33	0.000	0.000	0.000
246	11/21/2017	13:05:33	0.000	0.000	0.000
247	11/21/2017	13:06:33	0.000	0.000	0.000
248	11/21/2017	13:07:33	0.000	0.000	0.000
249	11/21/2017	13:08:33	0.000	0.000	0.000
250	11/21/2017	13:09:33	0.000	0.000	0.000
251	11/21/2017	13:10:33	0.000	0.000	0.000
252	11/21/2017	13:11:33	0.000	0.000	0.000
253	11/21/2017	13:12:33	0.000	0.000	0.000
254	11/21/2017	13:13:33	0.000	0.000	0.000
255	11/21/2017	13:14:33	0.000	0.000	0.000
256	11/21/2017	13:15:33	0.000	0.000	0.000
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258	11/21/2017	13:17:33	0.000	0.000	0.000
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262	11/21/2017	13:21:33	0.000	0.000	0.000
263	11/21/2017	13:22:33	0.000	0.000	0.000
264	11/21/2017	13:23:33	0.000	0.000	0.000
265	11/21/2017	13:24:33	0.000	0.000	0.000
266	11/21/2017	13:25:33	0.000	0.000	0.000
267	11/21/2017	13:26:33	0.000	0.000	0.000
268	11/21/2017	13:27:33	0.000	0.000	0.000
269	11/21/2017	13:28:33	0.000	0.000	0.000
270	11/21/2017	13:29:33	0.000	0.000	0.000
271	11/21/2017	13:30:33	0.000	0.000	0.000
272	11/21/2017	13:31:33	0.000	0.000	0.000
273	11/21/2017	13:32:33	0.000	0.000	0.000
274	11/21/2017	13:33:33	0.000	0.000	0.000
275	11/21/2017	13:34:33	0.000	0.000	0.000
276	11/21/2017	13:35:33	0.000	0.000	0.000
277	11/21/2017	13:36:33	0.000	0.000	0.000
278	11/21/2017	13:37:33	0.000	0.000	0.000
279	11/21/2017	13:38:33	0.000	0.000	0.000
280	11/21/2017	13:39:33	0.000	0.000	0.000
281	11/21/2017	13:40:33	0.000	0.000	0.000
282	11/21/2017	13:41:33	0.000	0.000	0.000
283	11/21/2017	13:42:33	0.000	0.000	0.000
284	11/21/2017	13:43:33	0.000	0.000	0.000
285	11/21/2017	13:44:33	0.000	0.000	0.000
286	11/21/2017	13:45:33	0.000	0.000	0.000
287	11/21/2017	13:46:33	0.000	0.000	0.000
288	11/21/2017	13:47:33	0.000	0.000	0.000
289	11/21/2017	13:48:33	0.000	0.000	0.000
290	11/21/2017	13:49:33	0.000	0.000	0.000

			Pine_24759_20180226		
291	11/21/2017	13:50:33	0.000	0.000	0.000
292	11/21/2017	13:51:33	0.000	0.000	0.000
293	11/21/2017	13:52:33	0.000	0.000	0.000
294	11/21/2017	13:53:33	0.000	0.000	0.000
295	11/21/2017	13:54:33	0.000	0.000	0.000
296	11/21/2017	13:55:33	0.000	0.000	0.000
297	11/21/2017	13:56:33	0.000	0.000	0.000
298	11/21/2017	13:57:33	0.000	0.000	0.000
299	11/21/2017	13:58:33	0.000	0.000	0.000
300	11/21/2017	13:59:33	0.000	0.000	0.000
301	11/21/2017	14:00:33	0.000	0.000	0.000
302	11/21/2017	14:01:33	0.000	0.000	0.000
303	11/21/2017	14:02:33	0.000	0.000	0.000
304	11/21/2017	14:03:33	0.000	0.000	0.000
305	11/21/2017	14:04:33	0.000	0.000	0.000
306	11/21/2017	14:05:33	0.000	0.000	0.000
307	11/21/2017	14:06:33	0.000	0.000	0.000
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311	11/21/2017	14:10:33	0.000	0.000	0.000
312	11/21/2017	14:11:33	0.000	0.000	0.000
313	11/21/2017	14:12:33	0.000	0.000	0.000
314	11/21/2017	14:13:33	0.000	0.000	0.000
315	11/21/2017	14:14:33	0.000	0.000	0.000
316	11/21/2017	14:15:33	0.000	0.000	0.000
317	11/21/2017	14:16:33	0.000	0.000	0.000
318	11/21/2017	14:17:33	0.000	0.000	0.000
319	11/21/2017	14:18:33	0.000	0.000	0.000
320	11/21/2017	14:19:33	0.000	0.000	0.000
321	11/21/2017	14:20:33	0.000	0.000	0.000
322	11/21/2017	14:21:33	0.000	0.000	0.000
323	11/21/2017	14:22:33	0.000	0.000	0.000
324	11/21/2017	14:23:33	0.000	0.000	0.000
325	11/21/2017	14:24:33	0.000	0.000	0.000
326	11/21/2017	14:25:33	0.000	0.000	0.000
327	11/21/2017	14:26:33	0.000	0.000	0.000
328	11/21/2017	14:27:33	0.000	0.000	0.000
329	11/21/2017	14:28:33	0.000	0.000	0.000
330	11/21/2017	14:29:33	0.000	0.000	0.000
331	11/21/2017	14:30:33	0.000	0.000	0.000
332	11/21/2017	14:31:33	0.000	0.000	0.000
333	11/21/2017	14:32:33	0.000	0.000	0.000
334	11/21/2017	14:33:33	0.000	0.000	0.000
335	11/21/2017	14:34:33	0.000	0.000	0.000
336	11/21/2017	14:35:33	0.000	0.000	0.000
337	11/21/2017	14:36:33	0.000	0.000	0.000
338	11/21/2017	14:37:33	0.000	0.000	0.000

			Pine_24759_20180226		
339	11/21/2017	14:38:33	0.000	0.000	0.000
340	11/21/2017	14:39:33	0.000	0.000	0.000
341	11/21/2017	14:40:33	0.000	0.000	0.000
342	11/21/2017	14:41:33	0.000	0.000	0.000
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344	11/21/2017	14:43:33	0.000	0.000	0.000
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346	11/21/2017	14:45:33	0.000	0.000	0.000
347	11/21/2017	14:46:33	0.000	0.000	0.000
348	11/21/2017	14:47:33	0.000	0.000	0.000
349	11/21/2017	14:48:33	0.000	0.000	0.000
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352	11/21/2017	14:51:33	0.000	0.000	0.000
353	11/21/2017	14:52:33	0.000	0.000	0.000
354	11/21/2017	14:53:33	0.000	0.000	0.000
355	11/21/2017	14:54:33	0.000	0.000	0.000
356	11/21/2017	14:55:33	0.000	0.000	0.000
357	11/21/2017	14:56:33	0.000	0.000	0.000
358	11/21/2017	14:57:33	0.000	0.000	0.000
359	11/21/2017	14:58:33	0.000	0.000	0.000
360	11/21/2017	14:59:33	0.000	0.000	0.000
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364	11/21/2017	15:03:33	0.000	0.000	0.000
365	11/21/2017	15:04:33	0.000	0.000	0.000
366	11/21/2017	15:05:33	0.000	0.000	0.000
367	11/21/2017	15:06:33	0.000	0.000	0.000
368	11/21/2017	15:07:33	0.000	0.000	0.000
369	11/21/2017	15:08:33	0.000	0.000	0.000
370	11/21/2017	15:09:33	0.000	0.000	0.000
371	11/21/2017	15:10:33	0.000	0.000	0.000
372	11/21/2017	15:11:33	0.000	0.000	0.000
373	11/21/2017	15:12:33	0.000	0.000	0.000
374	11/21/2017	15:13:33	0.000	0.000	0.000
375	11/21/2017	15:14:33	0.000	0.000	0.000
376	11/21/2017	15:15:33	0.000	0.000	0.000
377	11/21/2017	15:16:33	0.000	0.000	0.000
378	11/21/2017	15:17:33	0.000	0.000	0.000
379	11/21/2017	15:18:33	0.000	0.000	0.000
380	11/21/2017	15:19:33	0.000	0.000	0.000
381	11/21/2017	15:20:33	0.000	0.000	0.000
382	11/21/2017	15:21:33	0.000	0.000	0.000
383	11/21/2017	15:22:33	0.000	0.000	0.000
384	11/21/2017	15:23:33	0.000	0.000	0.000
385	11/21/2017	15:24:33	0.000	0.000	0.000
386	11/21/2017	15:25:33	0.000	0.000	0.000

			Pine_24759_20180226		
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388	11/21/2017	15:27:33	0.000	0.000	0.000
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393	11/21/2017	15:32:33	0.000	0.000	0.000
394	11/21/2017	15:33:33	0.000	0.000	0.000
395	11/21/2017	15:34:33	0.000	0.000	0.000
396	11/21/2017	15:35:33	0.000	0.000	0.000
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403	11/21/2017	15:42:33	0.000	0.000	0.000
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405	11/21/2017	15:44:33	0.000	0.000	0.000
406	11/21/2017	15:45:33	0.000	0.000	0.000
407	11/21/2017	15:46:33	0.000	0.000	0.000
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412	11/21/2017	15:51:33	0.000	0.000	0.000
413	11/21/2017	15:52:33	0.000	0.000	0.000
414	11/21/2017	15:53:33	0.000	0.000	0.000
415	11/21/2017	15:54:33	0.000	0.000	0.000
416	11/21/2017	15:55:33	0.000	0.000	0.000
417	11/21/2017	15:56:33	0.000	0.000	0.000
418	11/21/2017	15:57:33	0.000	0.000	0.000
419	11/21/2017	15:58:33	0.000	0.000	0.000
420	11/21/2017	15:59:33	0.000	0.000	0.000
421	11/21/2017	16:00:33	0.000	0.000	0.000
422	11/21/2017	16:01:33	0.000	0.000	0.000
423	11/21/2017	16:02:33	0.000	0.000	0.000
424	11/21/2017	16:03:33	0.000	0.000	0.000
425	11/21/2017	16:04:33	0.000	0.000	0.000
426	11/21/2017	16:05:33	0.000	0.000	0.000
427	11/21/2017	16:06:33	0.000	0.000	0.000
428	11/21/2017	16:07:33	0.000	0.000	0.000
429	11/21/2017	16:08:33	0.000	0.000	0.000
430	11/21/2017	16:09:33	0.000	0.000	0.000
431	11/21/2017	16:10:33	0.000	0.000	0.000
432	11/21/2017	16:11:33	0.000	0.000	0.000
433	11/21/2017	16:12:33	0.000	0.000	0.000
434	11/21/2017	16:13:33	0.000	0.000	0.000

			Pine_24759_20180226		
435	11/21/2017	16:14:33	0.000	0.000	0.000
436	11/21/2017	16:15:33	0.000	0.000	0.000
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439	11/21/2017	16:18:33	0.000	0.000	0.000
440	11/21/2017	16:19:33	0.000	0.000	0.000
441	11/21/2017	16:20:33	0.000	0.000	0.000
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444	11/21/2017	16:23:33	0.000	0.000	0.000
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466	11/21/2017	16:45:33	0.000	0.000	0.000
467	11/21/2017	16:46:33	0.000	0.000	0.000
468	11/21/2017	16:47:33	0.000	0.000	0.000
469	11/21/2017	16:48:33	0.000	0.000	0.000
470	11/21/2017	16:49:33	0.000	0.000	0.000
471	11/21/2017	16:50:33	0.000	0.000	0.000
472	11/21/2017	16:51:33	0.000	0.000	0.000
473	11/21/2017	16:52:33	0.000	0.000	0.000
474	11/21/2017	16:53:33	0.000	0.000	0.000
475	11/21/2017	16:54:33	0.000	0.000	0.000
476	11/21/2017	16:55:33	0.000	0.000	0.000
477	11/21/2017	16:56:33	0.000	0.000	0.000
478	11/21/2017	16:57:33	0.000	0.000	0.000
479	11/21/2017	16:58:33	0.000	0.000	0.000
480	11/21/2017	16:59:33	0.000	0.000	0.000
481	11/21/2017	17:00:33	0.000	0.000	0.000
482	11/21/2017	17:01:33	0.000	0.000	0.000

			Pine_24759_20180226		
483	11/21/2017	17:02:33	0.000	0.000	0.000
484	11/21/2017	17:03:33	0.000	0.000	0.000
485	11/21/2017	17:04:33	0.000	0.000	0.000
486	11/21/2017	17:05:33	0.000	0.000	0.000
487	11/21/2017	17:06:33	0.000	0.000	0.000
488	11/21/2017	17:07:33	0.000	0.000	0.000
489	11/21/2017	17:08:33	0.000	0.000	0.000
490	11/21/2017	17:09:33	0.000	0.000	0.000
491	11/21/2017	17:10:33	0.000	0.000	0.000
492	11/21/2017	17:11:33	0.000	0.000	0.000
493	11/21/2017	17:12:33	0.000	0.000	0.000
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495	11/21/2017	17:14:33	0.000	0.000	0.000
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498	11/21/2017	17:17:33	0.000	0.000	0.000
499	11/21/2017	17:18:33	0.000	0.000	0.000
500	11/21/2017	17:19:33	0.000	0.000	0.000
501	11/21/2017	17:20:33	0.000	0.000	0.000
502	11/21/2017	17:21:33	0.000	0.000	0.000
503	11/21/2017	17:22:33	0.000	0.000	0.000
504	11/21/2017	17:23:33	0.000	0.000	0.000
505	11/21/2017	17:24:33	0.000	0.000	0.000
506	11/21/2017	17:25:33	0.000	0.000	0.000
507	11/21/2017	17:26:33	0.000	0.000	0.000
508	11/21/2017	17:27:33	0.000	0.000	0.000
509	11/21/2017	17:28:33	0.000	0.000	0.000
510	11/21/2017	17:29:33	0.000	0.000	0.000
511	11/21/2017	17:30:33	0.000	0.000	0.000
512	11/21/2017	17:31:33	0.000	0.000	0.000
513	11/21/2017	17:32:33	0.000	0.000	0.000
514	11/21/2017	17:33:33	0.000	0.000	0.000
515	11/21/2017	17:34:33	0.000	0.000	0.000
516	11/21/2017	17:35:33	0.000	0.000	0.000
517	11/21/2017	17:36:33	0.000	0.000	0.000
518	11/21/2017	17:37:33	0.000	0.000	0.000
519	11/21/2017	17:38:33	0.000	0.000	0.001
520	11/21/2017	17:39:33	0.000	0.001	0.006
521	11/21/2017	17:40:33	0.000	0.003	0.010
522	11/21/2017	17:41:33	0.004	0.016	0.026
523	11/21/2017	17:42:33	0.011	0.016	0.030
524	11/21/2017	17:43:33	0.015	0.025	0.042
525	11/21/2017	17:44:33	0.022	0.026	0.036
526	11/21/2017	17:45:33	0.031	0.055	0.071
527	11/21/2017	17:46:33	0.044	0.048	0.054
528	11/21/2017	17:47:33	0.045	0.058	0.071
529	11/21/2017	17:48:33	0.062	0.069	0.088
530	11/21/2017	17:49:33	0.061	0.074	0.097

			Pine_24759_20180226		
531	11/21/2017	17:50:33	0.066	0.081	0.115
532	11/21/2017	17:51:33	0.078	0.099	0.121
533	11/21/2017	17:52:33	0.073	0.090	0.112
534	11/21/2017	17:53:33	0.065	0.081	0.101
535	11/21/2017	17:54:33	0.083	0.098	0.125
536	11/21/2017	17:55:33	0.086	0.100	0.128
537	11/21/2017	17:56:33	0.088	0.096	0.110
538	11/21/2017	17:57:33	0.087	0.097	0.112
539	11/21/2017	17:58:33	0.097	0.108	0.129
540	11/21/2017	17:59:33	0.095	0.109	0.138
541	11/21/2017	18:00:33	0.094	0.103	0.125
542	11/21/2017	18:01:33	0.099	0.117	0.145
543	11/21/2017	18:02:33	0.111	0.126	0.141
544	11/21/2017	18:03:33	0.107	0.111	0.122
545	11/21/2017	18:04:33	0.108	0.125	0.149
546	11/21/2017	18:05:33	0.107	0.116	0.131
547	11/21/2017	18:06:33	0.110	0.118	0.128
548	11/21/2017	18:07:33	0.105	0.111	0.124
549	11/21/2017	18:08:33	0.119	0.125	0.133
550	11/21/2017	18:09:33	0.114	0.119	0.127
551	11/21/2017	18:10:33	0.113	0.118	0.136
552	11/21/2017	18:11:33	0.118	0.126	0.134
553	11/21/2017	18:12:33	0.127	0.135	0.154
554	11/21/2017	18:13:33	0.124	0.128	0.134
555	11/21/2017	18:14:33	0.126	0.130	0.134
556	11/21/2017	18:15:33	0.126	0.131	0.141
557	11/21/2017	18:16:33	0.130	0.134	0.140
558	11/21/2017	18:17:33	0.133	0.137	0.141
559	11/21/2017	18:18:33	0.134	0.142	0.160
560	11/21/2017	18:19:33	0.139	0.147	0.168
561	11/21/2017	18:20:33	0.144	0.147	0.155
562	11/21/2017	18:21:33	0.147	0.158	0.177
563	11/21/2017	18:22:33	0.146	0.148	0.156
564	11/21/2017	18:23:33	0.144	0.147	0.150
565	11/21/2017	18:24:33	0.149	0.156	0.167
566	11/21/2017	18:25:33	0.152	0.157	0.161
567	11/21/2017	18:26:33	0.157	0.170	0.197
568	11/21/2017	18:27:33	0.166	0.172	0.181
569	11/21/2017	18:28:33	0.161	0.166	0.176
570	11/21/2017	18:29:33	0.161	0.165	0.171
571	11/21/2017	18:30:33	0.163	0.172	0.175
572	11/21/2017	18:31:33	0.172	0.173	0.176
573	11/21/2017	18:32:33	0.174	0.175	0.178
574	11/21/2017	18:33:33	0.173	0.175	0.178
575	11/21/2017	18:34:33	0.173	0.176	0.181
576	11/21/2017	18:35:33	0.176	0.178	0.181
577	11/21/2017	18:36:33	0.179	0.181	0.184
578	11/21/2017	18:37:33	0.181	0.185	0.189

			Pine_24759_20180226		
579	11/21/2017	18:38:33	0.183	0.192	0.207
580	11/21/2017	18:39:33	0.190	0.195	0.203
581	11/21/2017	18:40:33	0.184	0.192	0.199
582	11/21/2017	18:41:33	0.187	0.194	0.202
583	11/21/2017	18:42:33	0.189	0.194	0.201
584	11/21/2017	18:43:33	0.193	0.200	0.210
585	11/21/2017	18:44:33	0.193	0.203	0.221
586	11/21/2017	18:45:33	0.202	0.210	0.223
587	11/21/2017	18:46:33	0.195	0.203	0.223
588	11/21/2017	18:47:33	0.210	0.227	0.250
589	11/21/2017	18:48:33	0.207	0.231	0.263
590	11/21/2017	18:49:33	0.213	0.234	0.268
591	11/21/2017	18:50:33	0.221	0.242	0.279
592	11/21/2017	18:51:33	0.231	0.256	0.285
593	11/21/2017	18:52:33	0.225	0.238	0.258
594	11/21/2017	18:53:33	0.215	0.232	0.273
595	11/21/2017	18:54:33	0.213	0.215	0.219
596	11/21/2017	18:55:33	0.216	0.223	0.232
597	11/21/2017	18:56:33	0.213	0.217	0.222
598	11/21/2017	18:57:33	0.215	0.222	0.232
599	11/21/2017	18:58:33	0.222	0.224	0.232
600	11/21/2017	18:59:33	0.223	0.226	0.235
601	11/21/2017	19:00:33	0.215	0.221	0.228
602	11/21/2017	19:01:33	0.219	0.223	0.229
603	11/21/2017	19:02:33	0.218	0.224	0.230
604	11/21/2017	19:03:33	0.221	0.225	0.229
605	11/21/2017	19:04:33	0.227	0.230	0.236
606	11/21/2017	19:05:33	0.227	0.234	0.250
607	11/21/2017	19:06:33	0.235	0.237	0.241
608	11/21/2017	19:07:33	0.236	0.237	0.240
609	11/21/2017	19:08:33	0.236	0.238	0.242
610	11/21/2017	19:09:33	0.236	0.238	0.242
611	11/21/2017	19:10:33	0.237	0.239	0.241
612	11/21/2017	19:11:33	0.235	0.237	0.241
613	11/21/2017	19:12:33	0.237	0.239	0.242
614	11/21/2017	19:13:33	0.241	0.246	0.253
615	11/21/2017	19:14:33	0.248	0.252	0.257
616	11/21/2017	19:15:33	0.243	0.249	0.262
617	11/21/2017	19:16:33	0.257	0.265	0.273
618	11/21/2017	19:17:33	0.249	0.256	0.278
619	11/21/2017	19:18:33	0.250	0.256	0.264
620	11/21/2017	19:19:33	0.246	0.248	0.254
621	11/21/2017	19:20:33	0.247	0.251	0.260
622	11/21/2017	19:21:33	0.251	0.262	0.271
623	11/21/2017	19:22:33	0.255	0.264	0.280
624	11/21/2017	19:23:33	0.262	0.269	0.281
625	11/21/2017	19:24:33	0.257	0.267	0.288
626	11/21/2017	19:25:33	0.258	0.265	0.272

			Pine_24759_20180226		
627	11/21/2017	19:26:33	0.256	0.263	0.277
628	11/21/2017	19:27:33	0.260	0.270	0.292
629	11/21/2017	19:28:33	0.271	0.282	0.293
630	11/21/2017	19:29:33	0.268	0.280	0.294
631	11/21/2017	19:30:33	0.274	0.286	0.315
632	11/21/2017	19:31:33	0.273	0.288	0.308
633	11/21/2017	19:32:33	0.268	0.279	0.295
634	11/21/2017	19:33:33	0.273	0.281	0.297
635	11/21/2017	19:34:33	0.273	0.280	0.302
636	11/21/2017	19:35:33	0.274	0.276	0.280
637	11/21/2017	19:36:33	0.272	0.275	0.278
638	11/21/2017	19:37:33	0.270	0.273	0.278
639	11/21/2017	19:38:33	0.273	0.276	0.278
640	11/21/2017	19:39:33	0.271	0.274	0.277
641	11/21/2017	19:40:33	0.272	0.274	0.276
642	11/21/2017	19:41:33	0.273	0.275	0.279
643	11/21/2017	19:42:33	0.276	0.279	0.283
644	11/21/2017	19:43:33	0.279	0.282	0.286
645	11/21/2017	19:44:33	0.280	0.284	0.290
646	11/21/2017	19:45:33	0.284	0.288	0.292
647	11/21/2017	19:46:33	0.279	0.286	0.294
648	11/21/2017	19:47:33	0.280	0.287	0.297
649	11/21/2017	19:48:33	0.283	0.290	0.299
650	11/21/2017	19:49:33	0.281	0.284	0.296
651	11/21/2017	19:50:33	0.278	0.283	0.288
652	11/21/2017	19:51:33	0.280	0.286	0.293
653	11/21/2017	19:52:33	0.280	0.284	0.290
654	11/21/2017	19:53:33	0.277	0.281	0.288
655	11/21/2017	19:54:33	0.285	0.288	0.296
656	11/21/2017	19:55:33	0.282	0.288	0.296
657	11/21/2017	19:56:33	0.283	0.288	0.295
658	11/21/2017	19:57:33	0.287	0.294	0.301
659	11/21/2017	19:58:33	0.283	0.289	0.296
660	11/21/2017	19:59:33	0.284	0.290	0.299
661	11/21/2017	20:00:33	0.286	0.289	0.293
662	11/21/2017	20:01:33	0.290	0.295	0.308
663	11/21/2017	20:02:33	0.287	0.289	0.293
664	11/21/2017	20:03:33	0.288	0.289	0.292
665	11/21/2017	20:04:33	0.289	0.291	0.293
666	11/21/2017	20:05:33	0.290	0.292	0.295
667	11/21/2017	20:06:33	0.290	0.292	0.294
668	11/21/2017	20:07:33	0.287	0.290	0.293
669	11/21/2017	20:08:33	0.292	0.293	0.295
670	11/21/2017	20:09:33	0.289	0.293	0.297
671	11/21/2017	20:10:33	0.289	0.291	0.294
672	11/21/2017	20:11:33	0.288	0.292	0.298
673	11/21/2017	20:12:33	0.292	0.295	0.303
674	11/21/2017	20:13:33	0.295	0.299	0.306

			Pine_24759_20180226		
675	11/21/2017	20:14:33	0.292	0.294	0.298
676	11/21/2017	20:15:33	0.291	0.294	0.298
677	11/21/2017	20:16:33	0.293	0.297	0.303
678	11/21/2017	20:17:33	0.293	0.297	0.300
679	11/21/2017	20:18:33	0.295	0.299	0.304
680	11/21/2017	20:19:33	0.295	0.300	0.304
681	11/21/2017	20:20:33	0.294	0.296	0.301
682	11/21/2017	20:21:33	0.296	0.299	0.306
683	11/21/2017	20:22:33	0.294	0.298	0.309
684	11/21/2017	20:23:33	0.295	0.298	0.305
685	11/21/2017	20:24:33	0.295	0.298	0.302
686	11/21/2017	20:25:33	0.294	0.297	0.304
687	11/21/2017	20:26:33	0.295	0.298	0.302
688	11/21/2017	20:27:33	0.293	0.296	0.301
689	11/21/2017	20:28:33	0.295	0.298	0.301
690	11/21/2017	20:29:33	0.297	0.298	0.301
691	11/21/2017	20:30:33	0.297	0.299	0.301
692	11/21/2017	20:31:33	0.296	0.298	0.301
693	11/21/2017	20:32:33	0.297	0.298	0.300
694	11/21/2017	20:33:33	0.295	0.298	0.301
695	11/21/2017	20:34:33	0.295	0.298	0.302
696	11/21/2017	20:35:33	0.297	0.299	0.302
697	11/21/2017	20:36:33	0.298	0.300	0.303
698	11/21/2017	20:37:33	0.300	0.302	0.305
699	11/21/2017	20:38:33	0.300	0.302	0.306
700	11/21/2017	20:39:33	0.303	0.306	0.310
701	11/21/2017	20:40:33	0.302	0.305	0.309
702	11/21/2017	20:41:33	0.301	0.303	0.307
703	11/21/2017	20:42:33	0.300	0.303	0.306
704	11/21/2017	20:43:33	0.299	0.301	0.304
705	11/21/2017	20:44:33	0.301	0.302	0.307
706	11/21/2017	20:45:33	0.300	0.303	0.308
707	11/21/2017	20:46:33	0.298	0.303	0.307
708	11/21/2017	20:47:33	0.297	0.301	0.308
709	11/21/2017	20:48:33	0.301	0.304	0.307
710	11/21/2017	20:49:33	0.301	0.305	0.309
711	11/21/2017	20:50:33	0.300	0.304	0.309
712	11/21/2017	20:51:33	0.303	0.304	0.309
713	11/21/2017	20:52:33	0.300	0.303	0.308
714	11/21/2017	20:53:33	0.298	0.301	0.305
715	11/21/2017	20:54:33	0.300	0.303	0.308
716	11/21/2017	20:55:33	0.301	0.303	0.305
717	11/21/2017	20:56:33	0.301	0.304	0.307
718	11/21/2017	20:57:33	0.303	0.304	0.306
719	11/21/2017	20:58:33	0.300	0.302	0.305
720	11/21/2017	20:59:33	0.300	0.302	0.306
721	11/21/2017	21:00:33	0.300	0.304	0.307
722	11/21/2017	21:01:33	0.305	0.306	0.309

			Pine_24759_20180226		
723	11/21/2017	21:02:33	0.301	0.304	0.307
724	11/21/2017	21:03:33	0.302	0.303	0.306
725	11/21/2017	21:04:33	0.303	0.305	0.309
726	11/21/2017	21:05:33	0.305	0.307	0.309
727	11/21/2017	21:06:33	0.305	0.308	0.312
728	11/21/2017	21:07:33	0.303	0.306	0.310
729	11/21/2017	21:08:33	0.304	0.309	0.317
730	11/21/2017	21:09:33	0.305	0.309	0.315
731	11/21/2017	21:10:33	0.305	0.308	0.313
732	11/21/2017	21:11:33	0.303	0.306	0.309
733	11/21/2017	21:12:33	0.302	0.305	0.308
734	11/21/2017	21:13:33	0.304	0.306	0.311
735	11/21/2017	21:14:33	0.301	0.304	0.309
736	11/21/2017	21:15:33	0.301	0.303	0.307
737	11/21/2017	21:16:33	0.300	0.303	0.307
738	11/21/2017	21:17:33	0.299	0.301	0.307
739	11/21/2017	21:18:33	0.300	0.304	0.308
740	11/21/2017	21:19:33	0.297	0.302	0.307
741	11/21/2017	21:20:33	0.304	0.305	0.308
742	11/21/2017	21:21:33	0.301	0.304	0.307
743	11/21/2017	21:22:33	0.298	0.301	0.305
744	11/21/2017	21:23:33	0.299	0.301	0.304
745	11/21/2017	21:24:33	0.299	0.301	0.304
746	11/21/2017	21:25:33	0.300	0.302	0.305
747	11/21/2017	21:26:33	0.300	0.302	0.306
748	11/21/2017	21:27:33	0.301	0.303	0.306
749	11/21/2017	21:28:33	0.301	0.302	0.305
750	11/21/2017	21:29:33	0.301	0.302	0.307
751	11/21/2017	21:30:33	0.302	0.303	0.306
752	11/21/2017	21:31:33	0.302	0.305	0.310
753	11/21/2017	21:32:33	0.302	0.305	0.312
754	11/21/2017	21:33:33	0.304	0.306	0.310
755	11/21/2017	21:34:33	0.301	0.305	0.311
756	11/21/2017	21:35:33	0.304	0.306	0.310
757	11/21/2017	21:36:33	0.302	0.305	0.307
758	11/21/2017	21:37:33	0.301	0.304	0.306
759	11/21/2017	21:38:33	0.302	0.304	0.308
760	11/21/2017	21:39:33	0.297	0.301	0.307
761	11/21/2017	21:40:33	0.299	0.301	0.303
762	11/21/2017	21:41:33	0.302	0.305	0.308
763	11/21/2017	21:42:33	0.299	0.302	0.305
764	11/21/2017	21:43:33	0.298	0.302	0.306
765	11/21/2017	21:44:33	0.299	0.301	0.304
766	11/21/2017	21:45:33	0.298	0.301	0.304
767	11/21/2017	21:46:33	0.301	0.302	0.305
768	11/21/2017	21:47:33	0.299	0.301	0.304
769	11/21/2017	21:48:33	0.299	0.300	0.304
770	11/21/2017	21:49:33	0.300	0.302	0.304

			Pine_24759_20180226		
771	11/21/2017	21:50:33	0.299	0.302	0.305
772	11/21/2017	21:51:33	0.301	0.304	0.306
773	11/21/2017	21:52:33	0.301	0.302	0.305
774	11/21/2017	21:53:33	0.300	0.302	0.307
775	11/21/2017	21:54:33	0.300	0.302	0.305
776	11/21/2017	21:55:33	0.301	0.302	0.305
777	11/21/2017	21:56:33	0.302	0.305	0.310
778	11/21/2017	21:57:33	0.303	0.307	0.314
779	11/21/2017	21:58:33	0.300	0.303	0.309
780	11/21/2017	21:59:33	0.299	0.300	0.303
781	11/21/2017	22:00:33	0.299	0.301	0.303
782	11/21/2017	22:01:33	0.298	0.301	0.305
783	11/21/2017	22:02:33	0.299	0.301	0.305
784	11/21/2017	22:03:33	0.297	0.300	0.304
785	11/21/2017	22:04:33	0.298	0.301	0.304
786	11/21/2017	22:05:33	0.299	0.301	0.305
787	11/21/2017	22:06:33	0.296	0.299	0.302
788	11/21/2017	22:07:33	0.295	0.297	0.302
789	11/21/2017	22:08:33	0.292	0.295	0.302
790	11/21/2017	22:09:33	0.295	0.297	0.301
791	11/21/2017	22:10:33	0.292	0.295	0.297
792	11/21/2017	22:11:33	0.293	0.296	0.301
793	11/21/2017	22:12:33	0.295	0.297	0.301
794	11/21/2017	22:13:33	0.295	0.297	0.299
795	11/21/2017	22:14:33	0.290	0.295	0.301
796	11/21/2017	22:15:33	0.293	0.296	0.300
797	11/21/2017	22:16:33	0.296	0.298	0.302
798	11/21/2017	22:17:33	0.294	0.296	0.300
799	11/21/2017	22:18:33	0.293	0.295	0.298
800	11/21/2017	22:19:33	0.294	0.302	0.310
801	11/21/2017	22:20:33	0.299	0.304	0.313
802	11/21/2017	22:21:33	0.299	0.304	0.309
803	11/21/2017	22:22:33	0.301	0.306	0.311
804	11/21/2017	22:23:33	0.301	0.307	0.319
805	11/21/2017	22:24:33	0.297	0.300	0.304
806	11/21/2017	22:25:33	0.297	0.301	0.307
807	11/21/2017	22:26:33	0.299	0.303	0.307
808	11/21/2017	22:27:33	0.296	0.299	0.302
809	11/21/2017	22:28:33	0.298	0.300	0.304
810	11/21/2017	22:29:33	0.295	0.299	0.308
811	11/21/2017	22:30:33	0.293	0.298	0.304
812	11/21/2017	22:31:33	0.294	0.296	0.301
813	11/21/2017	22:32:33	0.292	0.295	0.299
814	11/21/2017	22:33:33	0.295	0.300	0.305
815	11/21/2017	22:34:33	0.294	0.296	0.299
816	11/21/2017	22:35:33	0.293	0.295	0.300
817	11/21/2017	22:36:33	0.293	0.296	0.299
818	11/21/2017	22:37:33	0.291	0.293	0.296

			Pine_24759_20180226		
819	11/21/2017	22:38:33	0.289	0.292	0.294
820	11/21/2017	22:39:33	0.286	0.289	0.294
821	11/21/2017	22:40:33	0.290	0.292	0.295
822	11/21/2017	22:41:33	0.288	0.291	0.295
823	11/21/2017	22:42:33	0.289	0.292	0.294
824	11/21/2017	22:43:33	0.291	0.292	0.295
825	11/21/2017	22:44:33	0.293	0.294	0.298
826	11/21/2017	22:45:33	0.297	0.300	0.305
827	11/21/2017	22:46:33	0.295	0.297	0.302
828	11/21/2017	22:47:33	0.292	0.295	0.298
829	11/21/2017	22:48:33	0.290	0.292	0.297
830	11/21/2017	22:49:33	0.291	0.292	0.295
831	11/21/2017	22:50:33	0.290	0.293	0.296
832	11/21/2017	22:51:33	0.292	0.293	0.296
833	11/21/2017	22:52:33	0.290	0.292	0.296
834	11/21/2017	22:53:33	0.289	0.291	0.297
835	11/21/2017	22:54:33	0.287	0.291	0.295
836	11/21/2017	22:55:33	0.288	0.290	0.294
837	11/21/2017	22:56:33	0.286	0.289	0.293
838	11/21/2017	22:57:33	0.281	0.287	0.291
839	11/21/2017	22:58:33	0.286	0.288	0.290
840	11/21/2017	22:59:33	0.286	0.287	0.291
841	11/21/2017	23:00:33	0.286	0.287	0.290
842	11/21/2017	23:01:33	0.284	0.286	0.289
843	11/21/2017	23:02:33	0.286	0.286	0.289
844	11/21/2017	23:03:33	0.285	0.286	0.288
845	11/21/2017	23:04:33	0.284	0.286	0.288
846	11/21/2017	23:05:33	0.283	0.284	0.287
847	11/21/2017	23:06:33	0.282	0.284	0.286
848	11/21/2017	23:07:33	0.283	0.286	0.290
849	11/21/2017	23:08:33	0.287	0.290	0.294
850	11/21/2017	23:09:33	0.286	0.291	0.295
851	11/21/2017	23:10:33	0.289	0.292	0.296
852	11/21/2017	23:11:33	0.290	0.293	0.297
853	11/21/2017	23:12:33	0.287	0.290	0.293
854	11/21/2017	23:13:33	0.287	0.289	0.294
855	11/21/2017	23:14:33	0.286	0.290	0.294
856	11/21/2017	23:15:33	0.288	0.291	0.294
857	11/21/2017	23:16:33	0.286	0.289	0.293
858	11/21/2017	23:17:33	0.288	0.290	0.295
859	11/21/2017	23:18:33	0.286	0.288	0.290
860	11/21/2017	23:19:33	0.282	0.285	0.291
861	11/21/2017	23:20:33	0.283	0.287	0.290
862	11/21/2017	23:21:33	0.286	0.289	0.293
863	11/21/2017	23:22:33	0.285	0.287	0.291
864	11/21/2017	23:23:33	0.281	0.289	0.294
865	11/21/2017	23:24:33	0.288	0.290	0.293
866	11/21/2017	23:25:33	0.287	0.289	0.291

			Pine_24759_20180226
Peak	0.305	0.309	0.319
Min	0.000	0.000	0.000
Average	0.101	0.103	0.106

=====

17/11/22 08:49

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID 00000001

Begin 11/22/2017 08:49:56

End 11/22/2017 16:57:51

Sample Period(s) 60

Number of Records 487

Sensor VOC(ppm)

Span 100.000

Span 2 N/A

Low Alarm 50.000

High Alarm 100.000

Over Alarm 15000.000

STEL Alarm 25.000

TWA Alarm 10.000

Measurement Gas Isobutylene

Calibration Time 11/3/2017 08:06

Peak N/A

Min N/A

Average N/A

Datalog

		VOC(ppm)	VOC(ppm)	VOC(ppm)
Index	Date/Time	(Min)	(Avg)	(Max)
001	11/22/2017 08:50:56	0.000	0.000	0.000
002	11/22/2017 08:51:56	0.000	0.000	0.000

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003	11/22/2017 08:52:56	0.000	0.000	0.000
004	11/22/2017 08:53:56	0.000	0.000	0.000
005	11/22/2017 08:54:56	0.000	0.000	0.000
006	11/22/2017 08:55:56	0.000	0.000	0.000
007	11/22/2017 08:56:56	0.000	0.000	0.000
008	11/22/2017 08:57:56	0.000	0.000	0.000
009	11/22/2017 08:58:56	0.000	0.000	0.000
010	11/22/2017 08:59:56	0.000	0.000	0.000
011	11/22/2017 09:00:56	0.000	0.000	0.000
012	11/22/2017 09:01:56	0.000	0.000	0.000
013	11/22/2017 09:02:56	0.000	0.000	0.000
014	11/22/2017 09:03:56	0.000	0.000	0.000
015	11/22/2017 09:04:56	0.000	0.000	0.000
016	11/22/2017 09:05:56	0.000	0.000	0.000
017	11/22/2017 09:06:56	0.000	0.000	0.000
018	11/22/2017 09:07:56	0.000	0.000	0.000
019	11/22/2017 09:08:56	0.000	0.000	0.000
020	11/22/2017 09:09:56	0.000	0.000	0.000
021	11/22/2017 09:10:56	0.000	0.000	0.000
022	11/22/2017 09:11:56	0.000	0.000	0.000
023	11/22/2017 09:12:56	0.000	0.000	0.000
024	11/22/2017 09:13:56	0.000	0.000	0.000
025	11/22/2017 09:14:56	0.000	0.000	0.000
026	11/22/2017 09:15:56	0.000	0.000	0.000
027	11/22/2017 09:16:56	0.000	0.000	0.000
028	11/22/2017 09:17:56	0.000	0.000	0.000
029	11/22/2017 09:18:56	0.000	0.000	0.000
030	11/22/2017 09:19:56	0.000	0.000	0.000
031	11/22/2017 09:20:56	0.000	0.000	0.000
032	11/22/2017 09:21:56	0.000	0.000	0.000
033	11/22/2017 09:22:56	0.000	0.000	0.000
034	11/22/2017 09:23:56	0.000	0.000	0.000
035	11/22/2017 09:24:56	0.000	0.000	0.000
036	11/22/2017 09:25:56	0.000	0.000	0.000
037	11/22/2017 09:26:56	0.000	0.000	0.000
038	11/22/2017 09:27:56	0.000	0.000	0.000
039	11/22/2017 09:28:56	0.000	0.000	0.000
040	11/22/2017 09:29:56	0.000	0.000	0.000
041	11/22/2017 09:30:56	0.000	0.000	0.000
042	11/22/2017 09:31:56	0.000	0.000	0.000
043	11/22/2017 09:32:56	0.000	0.000	0.000
044	11/22/2017 09:33:56	0.000	0.000	0.000
045	11/22/2017 09:34:56	0.000	0.000	0.000
046	11/22/2017 09:35:56	0.000	0.000	0.000
047	11/22/2017 09:36:56	0.000	0.000	0.000
048	11/22/2017 09:37:56	0.000	0.000	0.000
049	11/22/2017 09:38:56	0.000	0.000	0.000
050	11/22/2017 09:39:56	0.000	0.000	0.000

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051	11/22/2017 09:40:56	0.000	0.000	0.000
052	11/22/2017 09:41:56	0.000	0.000	0.000
053	11/22/2017 09:42:56	0.000	0.000	0.000
054	11/22/2017 09:43:56	0.000	0.000	0.000
055	11/22/2017 09:44:56	0.000	0.000	0.000
056	11/22/2017 09:45:56	0.000	0.000	0.000
057	11/22/2017 09:46:56	0.000	0.000	0.000
058	11/22/2017 09:47:56	0.000	0.000	0.000
059	11/22/2017 09:48:56	0.000	0.000	0.000
060	11/22/2017 09:49:56	0.000	0.000	0.000
061	11/22/2017 09:50:56	0.000	0.000	0.000
062	11/22/2017 09:51:56	0.000	0.000	0.000
063	11/22/2017 09:52:56	0.000	0.000	0.000
064	11/22/2017 09:53:56	0.000	0.000	0.000
065	11/22/2017 09:54:56	0.000	0.000	0.000
066	11/22/2017 09:55:56	0.000	0.000	0.000
067	11/22/2017 09:56:56	0.000	0.000	0.000
068	11/22/2017 09:57:56	0.000	0.000	0.000
069	11/22/2017 09:58:56	0.000	0.000	0.000
070	11/22/2017 09:59:56	0.000	0.000	0.000
071	11/22/2017 10:00:56	0.000	0.000	0.000
072	11/22/2017 10:01:56	0.000	0.000	0.000
073	11/22/2017 10:02:56	0.000	0.000	0.000
074	11/22/2017 10:03:56	0.000	0.000	0.000
075	11/22/2017 10:04:56	0.000	0.000	0.000
076	11/22/2017 10:05:56	0.000	0.000	0.000
077	11/22/2017 10:06:56	0.000	0.000	0.000
078	11/22/2017 10:07:56	0.000	0.000	0.000
079	11/22/2017 10:08:56	0.000	0.000	0.000
080	11/22/2017 10:09:56	0.000	0.000	0.000
081	11/22/2017 10:10:56	0.000	0.000	0.000
082	11/22/2017 10:11:56	0.000	0.000	0.000
083	11/22/2017 10:12:56	0.000	0.000	0.000
084	11/22/2017 10:13:56	0.000	0.000	0.000
085	11/22/2017 10:14:56	0.000	0.000	0.000
086	11/22/2017 10:15:56	0.000	0.000	0.000
087	11/22/2017 10:16:56	0.000	0.000	0.000
088	11/22/2017 10:17:56	0.000	0.000	0.000
089	11/22/2017 10:18:56	0.000	0.000	0.000
090	11/22/2017 10:19:56	0.000	0.000	0.000
091	11/22/2017 10:20:56	0.000	0.000	0.000
092	11/22/2017 10:21:56	0.000	0.000	0.000
093	11/22/2017 10:22:56	0.000	0.000	0.000
094	11/22/2017 10:23:56	0.000	0.000	0.000
095	11/22/2017 10:24:56	0.000	0.000	0.000
096	11/22/2017 10:25:56	0.000	0.000	0.000
097	11/22/2017 10:26:56	0.000	0.000	0.000
098	11/22/2017 10:27:56	0.000	0.000	0.000

			Pine_24759_20180226		
099	11/22/2017	10:28:56	0.000	0.000	0.000
100	11/22/2017	10:29:56	0.000	0.000	0.000
101	11/22/2017	10:30:56	0.000	0.000	0.000
102	11/22/2017	10:31:56	0.000	0.000	0.000
103	11/22/2017	10:32:56	0.000	0.000	0.000
104	11/22/2017	10:33:56	0.000	0.000	0.000
105	11/22/2017	10:34:56	0.000	0.000	0.000
106	11/22/2017	10:35:56	0.000	0.000	0.000
107	11/22/2017	10:36:56	0.000	0.000	0.000
108	11/22/2017	10:37:56	0.000	0.000	0.000
109	11/22/2017	10:38:56	0.000	0.000	0.000
110	11/22/2017	10:39:56	0.000	0.000	0.000
111	11/22/2017	10:40:56	0.000	0.000	0.000
112	11/22/2017	10:41:56	0.000	0.000	0.000
113	11/22/2017	10:42:56	0.000	0.000	0.000
114	11/22/2017	10:43:56	0.000	0.000	0.000
115	11/22/2017	10:44:56	0.000	0.000	0.000
116	11/22/2017	10:45:56	0.000	0.000	0.000
117	11/22/2017	10:46:56	0.000	0.000	0.000
118	11/22/2017	10:47:56	0.000	0.000	0.000
119	11/22/2017	10:48:56	0.000	0.000	0.000
120	11/22/2017	10:49:56	0.000	0.000	0.000
121	11/22/2017	10:50:56	0.000	0.000	0.000
122	11/22/2017	10:51:56	0.000	0.000	0.000
123	11/22/2017	10:52:56	0.000	0.000	0.000
124	11/22/2017	10:53:56	0.000	0.000	0.000
125	11/22/2017	10:54:56	0.000	0.000	0.000
126	11/22/2017	10:55:56	0.000	0.000	0.000
127	11/22/2017	10:56:56	0.000	0.000	0.000
128	11/22/2017	10:57:56	0.000	0.000	0.000
129	11/22/2017	10:58:56	0.000	0.000	0.000
130	11/22/2017	10:59:56	0.000	0.000	0.000
131	11/22/2017	11:00:56	0.000	0.000	0.000
132	11/22/2017	11:01:56	0.000	0.000	0.000
133	11/22/2017	11:02:56	0.000	0.000	0.000
134	11/22/2017	11:03:56	0.000	0.000	0.000
135	11/22/2017	11:04:56	0.000	0.000	0.000
136	11/22/2017	11:05:56	0.000	0.000	0.000
137	11/22/2017	11:06:56	0.000	0.000	0.000
138	11/22/2017	11:07:56	0.000	0.000	0.000
139	11/22/2017	11:08:56	0.000	0.000	0.000
140	11/22/2017	11:09:56	0.000	0.000	0.007
141	11/22/2017	11:10:56	0.000	0.000	0.000
142	11/22/2017	11:11:56	0.000	0.000	0.000
143	11/22/2017	11:12:56	0.000	0.000	0.000
144	11/22/2017	11:13:56	0.000	0.000	0.000
145	11/22/2017	11:14:56	0.000	0.000	0.000
146	11/22/2017	11:15:56	0.000	0.000	0.000

			Pine_24759_20180226		
147	11/22/2017	11:16:56	0.000	0.000	0.000
148	11/22/2017	11:17:56	0.000	0.000	0.000
149	11/22/2017	11:18:56	0.000	0.000	0.000
150	11/22/2017	11:19:56	0.000	0.000	0.000
151	11/22/2017	11:20:56	0.000	0.000	0.000
152	11/22/2017	11:21:56	0.000	0.000	0.000
153	11/22/2017	11:22:56	0.000	0.000	0.000
154	11/22/2017	11:23:56	0.000	0.000	0.000
155	11/22/2017	11:24:56	0.000	0.000	0.000
156	11/22/2017	11:25:56	0.000	0.000	0.000
157	11/22/2017	11:26:56	0.000	0.000	0.000
158	11/22/2017	11:27:56	0.000	0.000	0.000
159	11/22/2017	11:28:56	0.000	0.000	0.000
160	11/22/2017	11:29:56	0.000	0.000	0.000
161	11/22/2017	11:30:56	0.000	0.000	0.000
162	11/22/2017	11:31:56	0.000	0.000	0.000
163	11/22/2017	11:32:56	0.000	0.000	0.000
164	11/22/2017	11:33:56	0.000	0.000	0.000
165	11/22/2017	11:34:56	0.000	0.000	0.000
166	11/22/2017	11:35:56	0.000	0.000	0.000
167	11/22/2017	11:36:56	0.000	0.000	0.000
168	11/22/2017	11:37:56	0.000	0.000	0.000
169	11/22/2017	11:38:56	0.000	0.000	0.000
170	11/22/2017	11:39:56	0.000	0.000	0.000
171	11/22/2017	11:40:56	0.000	0.000	0.000
172	11/22/2017	11:41:56	0.000	0.000	0.000
173	11/22/2017	11:42:56	0.000	0.000	0.000
174	11/22/2017	11:43:56	0.000	0.000	0.000
175	11/22/2017	11:44:56	0.000	0.000	0.000
176	11/22/2017	11:45:56	0.000	0.000	0.000
177	11/22/2017	11:46:56	0.000	0.000	0.000
178	11/22/2017	11:47:56	0.000	0.000	0.000
179	11/22/2017	11:48:56	0.000	0.000	0.000
180	11/22/2017	11:49:56	0.000	0.000	0.000
181	11/22/2017	11:50:56	0.000	0.000	0.000
182	11/22/2017	11:51:56	0.000	0.000	0.000
183	11/22/2017	11:52:56	0.000	0.000	0.000
184	11/22/2017	11:53:56	0.000	0.000	0.000
185	11/22/2017	11:54:56	0.000	0.000	0.000
186	11/22/2017	11:55:56	0.000	0.000	0.000
187	11/22/2017	11:56:56	0.000	0.000	0.000
188	11/22/2017	11:57:56	0.000	0.000	0.000
189	11/22/2017	11:58:56	0.000	0.000	0.000
190	11/22/2017	11:59:56	0.000	0.000	0.000
191	11/22/2017	12:00:56	0.000	0.000	0.000
192	11/22/2017	12:01:56	0.000	0.000	0.000
193	11/22/2017	12:02:56	0.000	0.000	0.000
194	11/22/2017	12:03:56	0.000	0.000	0.000

			Pine_24759_20180226		
195	11/22/2017	12:04:56	0.000	0.000	0.000
196	11/22/2017	12:05:56	0.000	0.000	0.000
197	11/22/2017	12:06:56	0.000	0.000	0.000
198	11/22/2017	12:07:56	0.000	0.000	0.000
199	11/22/2017	12:08:56	0.000	0.000	0.000
200	11/22/2017	12:09:56	0.000	0.000	0.000
201	11/22/2017	12:10:56	0.000	0.000	0.000
202	11/22/2017	12:11:56	0.000	0.000	0.000
203	11/22/2017	12:12:56	0.000	0.000	0.000
204	11/22/2017	12:13:56	0.000	0.000	0.000
205	11/22/2017	12:14:56	0.000	0.000	0.000
206	11/22/2017	12:15:56	0.000	0.000	0.000
207	11/22/2017	12:16:56	0.000	0.000	0.000
208	11/22/2017	12:17:56	0.000	0.000	0.000
209	11/22/2017	12:18:56	0.000	0.000	0.000
210	11/22/2017	12:19:56	0.000	0.000	0.000
211	11/22/2017	12:20:56	0.000	0.000	0.000
212	11/22/2017	12:21:56	0.000	0.000	0.000
213	11/22/2017	12:22:56	0.000	0.000	0.000
214	11/22/2017	12:23:56	0.000	0.000	0.000
215	11/22/2017	12:24:56	0.000	0.000	0.000
216	11/22/2017	12:25:56	0.000	0.000	0.000
217	11/22/2017	12:26:56	0.000	0.000	0.000
218	11/22/2017	12:27:56	0.000	0.000	0.000
219	11/22/2017	12:28:56	0.000	0.000	0.000
220	11/22/2017	12:29:56	0.000	0.000	0.000
221	11/22/2017	12:30:56	0.000	0.000	0.000
222	11/22/2017	12:31:56	0.000	0.000	0.000
223	11/22/2017	12:32:56	0.000	0.000	0.000
224	11/22/2017	12:33:56	0.000	0.000	0.000
225	11/22/2017	12:34:56	0.000	0.000	0.000
226	11/22/2017	12:35:56	0.000	0.000	0.000
227	11/22/2017	12:36:56	0.000	0.000	0.000
228	11/22/2017	12:37:56	0.000	0.000	0.000
229	11/22/2017	12:38:56	0.000	0.000	0.000
230	11/22/2017	12:39:56	0.000	0.000	0.000
231	11/22/2017	12:40:56	0.000	0.000	0.000
232	11/22/2017	12:41:56	0.000	0.000	0.000
233	11/22/2017	12:42:56	0.000	0.000	0.000
234	11/22/2017	12:43:56	0.000	0.000	0.000
235	11/22/2017	12:44:56	0.000	0.000	0.000
236	11/22/2017	12:45:56	0.000	0.000	0.000
237	11/22/2017	12:46:56	0.000	0.000	0.000
238	11/22/2017	12:47:56	0.000	0.000	0.000
239	11/22/2017	12:48:56	0.000	0.000	0.000
240	11/22/2017	12:49:56	0.000	0.000	0.000
241	11/22/2017	12:50:56	0.000	0.000	0.000
242	11/22/2017	12:51:56	0.000	0.000	0.000

			Pine_24759_20180226		
243	11/22/2017	12:52:56	0.000	0.000	0.000
244	11/22/2017	12:53:56	0.000	0.000	0.000
245	11/22/2017	12:54:56	0.000	0.000	0.000
246	11/22/2017	12:55:56	0.000	0.000	0.000
247	11/22/2017	12:56:56	0.000	0.000	0.000
248	11/22/2017	12:57:56	0.000	0.000	0.000
249	11/22/2017	12:58:56	0.000	0.000	0.000
250	11/22/2017	12:59:56	0.000	0.000	0.000
251	11/22/2017	13:00:56	0.000	0.000	0.000
252	11/22/2017	13:01:56	0.000	0.000	0.000
253	11/22/2017	13:02:56	0.000	0.000	0.000
254	11/22/2017	13:03:56	0.000	0.000	0.000
255	11/22/2017	13:04:56	0.000	0.000	0.000
256	11/22/2017	13:05:56	0.000	0.000	0.000
257	11/22/2017	13:06:56	0.000	0.000	0.000
258	11/22/2017	13:07:56	0.000	0.000	0.000
259	11/22/2017	13:08:56	0.000	0.000	0.000
260	11/22/2017	13:09:56	0.000	0.000	0.000
261	11/22/2017	13:10:56	0.000	0.000	0.000
262	11/22/2017	13:11:56	0.000	0.000	0.000
263	11/22/2017	13:12:56	0.000	0.000	0.000
264	11/22/2017	13:13:56	0.000	0.000	0.000
265	11/22/2017	13:14:56	0.000	0.000	0.000
266	11/22/2017	13:15:56	0.000	0.000	0.000
267	11/22/2017	13:16:56	0.000	0.000	0.000
268	11/22/2017	13:17:56	0.000	0.000	0.000
269	11/22/2017	13:18:56	0.000	0.000	0.000
270	11/22/2017	13:19:56	0.000	0.000	0.000
271	11/22/2017	13:20:56	0.000	0.000	0.000
272	11/22/2017	13:21:56	0.000	0.000	0.000
273	11/22/2017	13:22:56	0.000	0.000	0.000
274	11/22/2017	13:23:56	0.000	0.000	0.000
275	11/22/2017	13:24:56	0.000	0.000	0.000
276	11/22/2017	13:25:56	0.000	0.000	0.000
277	11/22/2017	13:26:56	0.000	0.000	0.000
278	11/22/2017	13:27:56	0.000	0.000	0.000
279	11/22/2017	13:28:56	0.000	0.000	0.000
280	11/22/2017	13:29:56	0.000	0.000	0.000
281	11/22/2017	13:30:56	0.000	0.000	0.000
282	11/22/2017	13:31:56	0.000	0.000	0.000
283	11/22/2017	13:32:56	0.000	0.000	0.000
284	11/22/2017	13:33:56	0.000	0.000	0.000
285	11/22/2017	13:34:56	0.000	0.000	0.000
286	11/22/2017	13:35:56	0.000	0.000	0.000
287	11/22/2017	13:36:56	0.000	0.000	0.000
288	11/22/2017	13:37:56	0.000	0.000	0.000
289	11/22/2017	13:38:56	0.000	0.000	0.000
290	11/22/2017	13:39:56	0.000	0.000	0.000

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291	11/22/2017	13:40:56	0.000	0.000	0.000
292	11/22/2017	13:41:56	0.000	0.000	0.000
293	11/22/2017	13:42:56	0.000	0.000	0.000
294	11/22/2017	13:43:56	0.000	0.000	0.000
295	11/22/2017	13:44:56	0.000	0.000	0.000
296	11/22/2017	13:45:56	0.000	0.000	0.000
297	11/22/2017	13:46:56	0.000	0.000	0.000
298	11/22/2017	13:47:56	0.000	0.000	0.000
299	11/22/2017	13:48:56	0.000	0.000	0.000
300	11/22/2017	13:49:56	0.000	0.000	0.000
301	11/22/2017	13:50:56	0.000	0.000	0.000
302	11/22/2017	13:51:56	0.000	0.000	0.000
303	11/22/2017	13:52:56	0.000	0.000	0.000
304	11/22/2017	13:53:56	0.000	0.000	0.000
305	11/22/2017	13:54:56	0.000	0.000	0.000
306	11/22/2017	13:55:56	0.000	0.000	0.000
307	11/22/2017	13:56:56	0.000	0.000	0.000
308	11/22/2017	13:57:56	0.000	0.000	0.000
309	11/22/2017	13:58:56	0.000	0.000	0.000
310	11/22/2017	13:59:56	0.000	0.000	0.000
311	11/22/2017	14:00:56	0.000	0.000	0.000
312	11/22/2017	14:01:56	0.000	0.000	0.000
313	11/22/2017	14:02:56	0.000	0.000	0.000
314	11/22/2017	14:03:56	0.000	0.000	0.000
315	11/22/2017	14:04:56	0.000	0.000	0.000
316	11/22/2017	14:05:56	0.000	0.000	0.000
317	11/22/2017	14:06:56	0.000	0.000	0.000
318	11/22/2017	14:07:56	0.000	0.000	0.002
319	11/22/2017	14:08:56	0.000	0.000	0.000
320	11/22/2017	14:09:56	0.000	0.000	0.000
321	11/22/2017	14:10:56	0.000	0.000	0.000
322	11/22/2017	14:11:56	0.000	0.000	0.000
323	11/22/2017	14:12:56	0.000	0.000	0.000
324	11/22/2017	14:13:56	0.000	0.000	0.000
325	11/22/2017	14:14:56	0.000	0.000	0.000
326	11/22/2017	14:15:56	0.000	0.000	0.000
327	11/22/2017	14:16:56	0.000	0.000	0.000
328	11/22/2017	14:17:56	0.000	0.000	0.000
329	11/22/2017	14:18:56	0.000	0.000	0.000
330	11/22/2017	14:19:56	0.000	0.000	0.000
331	11/22/2017	14:20:56	0.000	0.000	0.000
332	11/22/2017	14:21:56	0.000	0.000	0.000
333	11/22/2017	14:22:56	0.000	0.000	0.000
334	11/22/2017	14:23:56	0.000	0.000	0.000
335	11/22/2017	14:24:56	0.000	0.000	0.000
336	11/22/2017	14:25:56	0.000	0.000	0.000
337	11/22/2017	14:26:56	0.000	0.000	0.000
338	11/22/2017	14:27:56	0.000	0.000	0.000

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339	11/22/2017	14:28:56	0.000	0.000	0.000
340	11/22/2017	14:29:56	0.000	0.000	0.000
341	11/22/2017	14:30:56	0.000	0.000	0.000
342	11/22/2017	14:31:56	0.000	0.000	0.000
343	11/22/2017	14:32:56	0.000	0.000	0.000
344	11/22/2017	14:33:56	0.000	0.000	0.000
345	11/22/2017	14:34:56	0.000	0.000	0.000
346	11/22/2017	14:35:56	0.000	0.000	0.000
347	11/22/2017	14:36:56	0.000	0.000	0.009
348	11/22/2017	14:37:56	0.000	0.000	0.000
349	11/22/2017	14:38:56	0.000	0.000	0.000
350	11/22/2017	14:39:56	0.000	0.000	0.000
351	11/22/2017	14:40:56	0.000	0.000	0.000
352	11/22/2017	14:41:56	0.000	0.000	0.000
353	11/22/2017	14:42:56	0.000	0.000	0.000
354	11/22/2017	14:43:56	0.000	0.000	0.000
355	11/22/2017	14:44:56	0.000	0.000	0.000
356	11/22/2017	14:45:56	0.000	0.000	0.000
357	11/22/2017	14:46:56	0.000	0.000	0.000
358	11/22/2017	14:47:56	0.000	0.000	0.000
359	11/22/2017	14:48:56	0.000	0.000	0.000
360	11/22/2017	14:49:56	0.000	0.000	0.000
361	11/22/2017	14:50:56	0.000	0.000	0.000
362	11/22/2017	14:51:56	0.000	0.000	0.000
363	11/22/2017	14:52:56	0.000	0.000	0.000
364	11/22/2017	14:53:56	0.000	0.000	0.000
365	11/22/2017	14:54:56	0.000	0.000	0.000
366	11/22/2017	14:55:56	0.000	0.000	0.000
367	11/22/2017	14:56:56	0.000	0.000	0.000
368	11/22/2017	14:57:56	0.000	0.000	0.000
369	11/22/2017	14:58:56	0.000	0.000	0.000
370	11/22/2017	14:59:56	0.000	0.000	0.000
371	11/22/2017	15:00:56	0.000	0.000	0.000
372	11/22/2017	15:01:56	0.000	0.000	0.000
373	11/22/2017	15:02:56	0.000	0.000	0.000
374	11/22/2017	15:03:56	0.000	0.000	0.000
375	11/22/2017	15:04:56	0.000	0.000	0.000
376	11/22/2017	15:05:56	0.000	0.000	0.000
377	11/22/2017	15:06:56	0.000	0.000	0.000
378	11/22/2017	15:07:56	0.000	0.000	0.000
379	11/22/2017	15:08:56	0.000	0.000	0.000
380	11/22/2017	15:09:56	0.000	0.000	0.000
381	11/22/2017	15:10:56	0.000	0.000	0.000
382	11/22/2017	15:11:56	0.000	0.000	0.000
383	11/22/2017	15:12:56	0.000	0.000	0.000
384	11/22/2017	15:13:56	0.000	0.000	0.000
385	11/22/2017	15:14:56	0.000	0.000	0.000
386	11/22/2017	15:15:56	0.000	0.000	0.000

			Pine_24759_20180226		
387	11/22/2017	15:16:56	0.000	0.000	0.000
388	11/22/2017	15:17:56	0.000	0.000	0.000
389	11/22/2017	15:18:56	0.000	0.000	0.000
390	11/22/2017	15:19:56	0.000	0.000	0.000
391	11/22/2017	15:20:56	0.000	0.000	0.000
392	11/22/2017	15:21:56	0.000	0.000	0.000
393	11/22/2017	15:22:56	0.000	0.000	0.000
394	11/22/2017	15:23:56	0.000	0.000	0.000
395	11/22/2017	15:24:56	0.000	0.000	0.000
396	11/22/2017	15:25:56	0.000	0.000	0.000
397	11/22/2017	15:26:56	0.000	0.000	0.000
398	11/22/2017	15:27:56	0.000	0.000	0.000
399	11/22/2017	15:28:56	0.000	0.000	0.000
400	11/22/2017	15:29:56	0.000	0.000	0.000
401	11/22/2017	15:30:56	0.000	0.000	0.000
402	11/22/2017	15:31:56	0.000	0.000	0.000
403	11/22/2017	15:32:56	0.000	0.000	0.000
404	11/22/2017	15:33:56	0.000	0.000	0.000
405	11/22/2017	15:34:56	0.000	0.000	0.000
406	11/22/2017	15:35:56	0.000	0.000	0.000
407	11/22/2017	15:36:56	0.000	0.000	0.000
408	11/22/2017	15:37:56	0.000	0.000	0.000
409	11/22/2017	15:38:56	0.000	0.000	0.000
410	11/22/2017	15:39:56	0.000	0.000	0.000
411	11/22/2017	15:40:56	0.000	0.000	0.000
412	11/22/2017	15:41:56	0.000	0.000	0.000
413	11/22/2017	15:42:56	0.000	0.000	0.000
414	11/22/2017	15:43:56	0.000	0.000	0.000
415	11/22/2017	15:44:56	0.000	0.000	0.000
416	11/22/2017	15:45:56	0.000	0.000	0.000
417	11/22/2017	15:46:56	0.000	0.000	0.000
418	11/22/2017	15:47:56	0.000	0.000	0.000
419	11/22/2017	15:48:56	0.000	0.000	0.000
420	11/22/2017	15:49:56	0.000	0.000	0.000
421	11/22/2017	15:50:56	0.000	0.000	0.000
422	11/22/2017	15:51:56	0.000	0.000	0.000
423	11/22/2017	15:52:56	0.000	0.000	0.000
424	11/22/2017	15:53:56	0.000	0.000	0.000
425	11/22/2017	15:54:56	0.000	0.000	0.000
426	11/22/2017	15:55:56	0.000	0.000	0.000
427	11/22/2017	15:56:56	0.000	0.000	0.000
428	11/22/2017	15:57:56	0.000	0.000	0.000
429	11/22/2017	15:58:56	0.000	0.000	0.000
430	11/22/2017	15:59:56	0.000	0.000	0.000
431	11/22/2017	16:00:56	0.000	0.000	0.000
432	11/22/2017	16:01:56	0.000	0.000	0.000
433	11/22/2017	16:02:56	0.000	0.000	0.000
434	11/22/2017	16:03:56	0.000	0.000	0.000

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435	11/22/2017	16:04:56	0.000	0.000	0.000
436	11/22/2017	16:05:56	0.000	0.000	0.000
437	11/22/2017	16:06:56	0.000	0.000	0.000
438	11/22/2017	16:07:56	0.000	0.000	0.000
439	11/22/2017	16:08:56	0.000	0.000	0.000
440	11/22/2017	16:09:56	0.000	0.000	0.000
441	11/22/2017	16:10:56	0.000	0.000	0.000
442	11/22/2017	16:11:56	0.000	0.000	0.000
443	11/22/2017	16:12:56	0.000	0.000	0.000
444	11/22/2017	16:13:56	0.000	0.000	0.000
445	11/22/2017	16:14:56	0.000	0.000	0.000
446	11/22/2017	16:15:56	0.000	0.000	0.000
447	11/22/2017	16:16:56	0.000	0.000	0.000
448	11/22/2017	16:17:56	0.000	0.000	0.000
449	11/22/2017	16:18:56	0.000	0.000	0.000
450	11/22/2017	16:19:56	0.000	0.000	0.000
451	11/22/2017	16:20:56	0.000	0.000	0.000
452	11/22/2017	16:21:56	0.000	0.000	0.000
453	11/22/2017	16:22:56	0.000	0.000	0.000
454	11/22/2017	16:23:56	0.000	0.000	0.000
455	11/22/2017	16:24:56	0.000	0.000	0.000
456	11/22/2017	16:25:56	0.000	0.000	0.000
457	11/22/2017	16:26:56	0.000	0.000	0.000
458	11/22/2017	16:27:56	0.000	0.000	0.000
459	11/22/2017	16:28:56	0.000	0.000	0.000
460	11/22/2017	16:29:56	0.000	0.000	0.000
461	11/22/2017	16:30:56	0.000	0.000	0.000
462	11/22/2017	16:31:56	0.000	0.000	0.000
463	11/22/2017	16:32:56	0.000	0.000	0.000
464	11/22/2017	16:33:56	0.000	0.000	0.000
465	11/22/2017	16:34:56	0.000	0.000	0.000
466	11/22/2017	16:35:56	0.000	0.000	0.000
467	11/22/2017	16:36:56	0.000	0.000	0.000
468	11/22/2017	16:37:56	0.000	0.000	0.000
469	11/22/2017	16:38:56	0.000	0.000	0.000
470	11/22/2017	16:39:56	0.000	0.000	0.000
471	11/22/2017	16:40:56	0.000	0.000	0.000
472	11/22/2017	16:41:56	0.000	0.000	0.000
473	11/22/2017	16:42:56	0.000	0.000	0.000
474	11/22/2017	16:43:56	0.000	0.000	0.000
475	11/22/2017	16:44:56	0.000	0.000	0.000
476	11/22/2017	16:45:56	0.000	0.000	0.000
477	11/22/2017	16:46:56	0.000	0.000	0.000
478	11/22/2017	16:47:56	0.000	0.000	0.000
479	11/22/2017	16:48:56	0.000	0.000	0.000
480	11/22/2017	16:49:56	0.000	0.000	0.000
481	11/22/2017	16:50:56	0.000	0.000	0.000
482	11/22/2017	16:51:56	0.000	0.000	0.000

			Pine_24759_20180226		
483	11/22/2017	16:52:56	0.000	0.000	0.000
484	11/22/2017	16:53:56	0.000	0.000	0.000
485	11/22/2017	16:54:56	0.000	0.000	0.000
486	11/22/2017	16:55:56	0.000	0.000	0.000
487	11/22/2017	16:56:56	0.000	0.000	0.000
Peak		0.000 0.000	0.009		
Min		0.000 0.000	0.000		
Average		0.000 0.000	0.000		

=====

17/11/27 09:08

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID 00000001

Begin 11/27/2017 09:08:29

End 11/27/2017 17:52:50

Sample Period(s) 60

Number of Records 524

Sensor VOC(ppm)

Span 100.000

Span 2 N/A

Low Alarm 50.000

High Alarm 100.000

Over Alarm 15000.000

STEL Alarm 25.000

TWA Alarm 10.000

Measurement Gas Isobutylene

Calibration Time 11/3/2017 08:06

Peak N/A

Min N/A

Average N/A

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Datalog

Index	VOC(ppm)		VOC(ppm)		VOC(ppm)
	Date/Time	(Min)	(Avg)	(Max)	
001	11/27/2017	09:09:29	0.000	0.000	0.000
002	11/27/2017	09:10:29	0.000	0.000	0.000
003	11/27/2017	09:11:29	0.000	0.000	0.000
004	11/27/2017	09:12:29	0.000	0.000	0.000
005	11/27/2017	09:13:29	0.000	0.000	0.000
006	11/27/2017	09:14:29	0.000	0.000	0.000
007	11/27/2017	09:15:29	0.000	0.000	0.000
008	11/27/2017	09:16:29	0.000	0.000	0.000
009	11/27/2017	09:17:29	0.000	0.000	0.000
010	11/27/2017	09:18:29	0.000	0.000	0.000
011	11/27/2017	09:19:29	0.000	0.000	0.000
012	11/27/2017	09:20:29	0.000	0.000	0.000
013	11/27/2017	09:21:29	0.000	0.000	0.000
014	11/27/2017	09:22:29	0.000	0.000	0.000
015	11/27/2017	09:23:29	0.000	0.000	0.000
016	11/27/2017	09:24:29	0.000	0.000	0.000
017	11/27/2017	09:25:29	0.000	0.000	0.000
018	11/27/2017	09:26:29	0.000	0.000	0.000
019	11/27/2017	09:27:29	0.000	0.000	0.000
020	11/27/2017	09:28:29	0.000	0.000	0.000
021	11/27/2017	09:29:29	0.000	0.000	0.000
022	11/27/2017	09:30:29	0.000	0.000	0.000
023	11/27/2017	09:31:29	0.000	0.000	0.000
024	11/27/2017	09:32:29	0.000	0.000	0.000
025	11/27/2017	09:33:29	0.000	0.000	0.000
026	11/27/2017	09:34:29	0.000	0.000	0.000
027	11/27/2017	09:35:29	0.000	0.000	0.000
028	11/27/2017	09:36:29	0.000	0.000	0.000
029	11/27/2017	09:37:29	0.000	0.000	0.000
030	11/27/2017	09:38:29	0.000	0.000	0.000
031	11/27/2017	09:39:29	0.000	0.000	0.000
032	11/27/2017	09:40:29	0.000	0.000	0.000
033	11/27/2017	09:41:29	0.000	0.000	0.000
034	11/27/2017	09:42:29	0.000	0.000	0.000
035	11/27/2017	09:43:29	0.000	0.000	0.000
036	11/27/2017	09:44:29	0.000	0.000	0.000
037	11/27/2017	09:45:29	0.000	0.000	0.000
038	11/27/2017	09:46:29	0.000	0.000	0.000
039	11/27/2017	09:47:29	0.000	0.000	0.000
040	11/27/2017	09:48:29	0.000	0.000	0.000
041	11/27/2017	09:49:29	0.000	0.000	0.000
042	11/27/2017	09:50:29	0.000	0.000	0.000
043	11/27/2017	09:51:29	0.000	0.000	0.000
044	11/27/2017	09:52:29	0.000	0.000	0.000
045	11/27/2017	09:53:29	0.000	0.000	0.000

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046	11/27/2017 09:54:29	0.000	0.000	0.000
047	11/27/2017 09:55:29	0.000	0.000	0.000
048	11/27/2017 09:56:29	0.000	0.000	0.000
049	11/27/2017 09:57:29	0.000	0.000	0.000
050	11/27/2017 09:58:29	0.000	0.000	0.000
051	11/27/2017 09:59:29	0.000	0.000	0.000
052	11/27/2017 10:00:29	0.000	0.000	0.000
053	11/27/2017 10:01:29	0.000	0.000	0.000
054	11/27/2017 10:02:29	0.000	0.000	0.000
055	11/27/2017 10:03:29	0.000	0.000	0.000
056	11/27/2017 10:04:29	0.000	0.000	0.000
057	11/27/2017 10:05:29	0.000	0.000	0.000
058	11/27/2017 10:06:29	0.000	0.000	0.000
059	11/27/2017 10:07:29	0.000	0.000	0.000
060	11/27/2017 10:08:29	0.000	0.000	0.000
061	11/27/2017 10:09:29	0.000	0.000	0.000
062	11/27/2017 10:10:29	0.000	0.000	0.000
063	11/27/2017 10:11:29	0.000	0.000	0.000
064	11/27/2017 10:12:29	0.000	0.000	0.000
065	11/27/2017 10:13:29	0.000	0.000	0.000
066	11/27/2017 10:14:29	0.000	0.000	0.000
067	11/27/2017 10:15:29	0.000	0.000	0.000
068	11/27/2017 10:16:29	0.000	0.000	0.000
069	11/27/2017 10:17:29	0.000	0.000	0.000
070	11/27/2017 10:18:29	0.000	0.000	0.000
071	11/27/2017 10:19:29	0.000	0.000	0.000
072	11/27/2017 10:20:29	0.000	0.000	0.000
073	11/27/2017 10:21:29	0.000	0.000	0.000
074	11/27/2017 10:22:29	0.000	0.000	0.000
075	11/27/2017 10:23:29	0.000	0.000	0.000
076	11/27/2017 10:24:29	0.000	0.000	0.000
077	11/27/2017 10:25:29	0.000	0.000	0.000
078	11/27/2017 10:26:29	0.000	0.000	0.000
079	11/27/2017 10:27:29	0.000	0.000	0.000
080	11/27/2017 10:28:29	0.000	0.000	0.000
081	11/27/2017 10:29:29	0.000	0.000	0.000
082	11/27/2017 10:30:29	0.000	0.000	0.000
083	11/27/2017 10:31:29	0.000	0.000	0.000
084	11/27/2017 10:32:29	0.000	0.000	0.000
085	11/27/2017 10:33:29	0.000	0.000	0.000
086	11/27/2017 10:34:29	0.000	0.000	0.000
087	11/27/2017 10:35:29	0.000	0.000	0.000
088	11/27/2017 10:36:29	0.000	0.000	0.000
089	11/27/2017 10:37:29	0.000	0.000	0.000
090	11/27/2017 10:38:29	0.000	0.000	0.000
091	11/27/2017 10:39:29	0.000	0.000	0.000
092	11/27/2017 10:40:29	0.000	0.000	0.000
093	11/27/2017 10:41:29	0.000	0.000	0.000

Pine_24759_20180226

094	11/27/2017	10:42:29	0.000	0.000	0.000
095	11/27/2017	10:43:29	0.000	0.000	0.000
096	11/27/2017	10:44:29	0.000	0.000	0.000
097	11/27/2017	10:45:29	0.000	0.000	0.000
098	11/27/2017	10:46:29	0.000	0.000	0.000
099	11/27/2017	10:47:29	0.000	0.000	0.000
100	11/27/2017	10:48:29	0.000	0.000	0.000
101	11/27/2017	10:49:29	0.000	0.000	0.000
102	11/27/2017	10:50:29	0.000	0.000	0.000
103	11/27/2017	10:51:29	0.000	0.000	0.000
104	11/27/2017	10:52:29	0.000	0.000	0.000
105	11/27/2017	10:53:29	0.000	0.000	0.000
106	11/27/2017	10:54:29	0.000	0.000	0.000
107	11/27/2017	10:55:29	0.000	0.000	0.000
108	11/27/2017	10:56:29	0.000	0.000	0.000
109	11/27/2017	10:57:29	0.000	0.000	0.000
110	11/27/2017	10:58:29	0.000	0.000	0.000
111	11/27/2017	10:59:29	0.000	0.000	0.000
112	11/27/2017	11:00:29	0.000	0.000	0.000
113	11/27/2017	11:01:29	0.000	0.000	0.000
114	11/27/2017	11:02:29	0.000	0.000	0.000
115	11/27/2017	11:03:29	0.000	0.000	0.000
116	11/27/2017	11:04:29	0.000	0.000	0.000
117	11/27/2017	11:05:29	0.000	0.000	0.000
118	11/27/2017	11:06:29	0.000	0.000	0.000
119	11/27/2017	11:07:29	0.000	0.000	0.000
120	11/27/2017	11:08:29	0.000	0.000	0.000
121	11/27/2017	11:09:29	0.000	0.000	0.000
122	11/27/2017	11:10:29	0.000	0.000	0.000
123	11/27/2017	11:11:29	0.000	0.000	0.000
124	11/27/2017	11:12:29	0.000	0.000	0.000
125	11/27/2017	11:13:29	0.000	0.000	0.000
126	11/27/2017	11:14:29	0.000	0.000	0.000
127	11/27/2017	11:15:29	0.000	0.000	0.000
128	11/27/2017	11:16:29	0.000	0.000	0.000
129	11/27/2017	11:17:29	0.000	0.000	0.000
130	11/27/2017	11:18:29	0.000	0.000	0.000
131	11/27/2017	11:19:29	0.000	0.000	0.000
132	11/27/2017	11:20:29	0.000	0.000	0.000
133	11/27/2017	11:21:29	0.000	0.000	0.000
134	11/27/2017	11:22:29	0.000	0.000	0.000
135	11/27/2017	11:23:29	0.000	0.000	0.000
136	11/27/2017	11:24:29	0.000	0.000	0.000
137	11/27/2017	11:25:29	0.000	0.000	0.000
138	11/27/2017	11:26:29	0.000	0.000	0.000
139	11/27/2017	11:27:29	0.000	0.000	0.000
140	11/27/2017	11:28:29	0.000	0.000	0.000
141	11/27/2017	11:29:29	0.000	0.000	0.000

			Pine_24759_20180226		
142	11/27/2017	11:30:29	0.000	0.021	0.313
143	11/27/2017	11:31:29	0.000	0.000	0.000
144	11/27/2017	11:32:29	0.000	0.000	0.000
145	11/27/2017	11:33:29	0.000	0.000	0.000
146	11/27/2017	11:34:29	0.000	0.000	0.000
147	11/27/2017	11:35:29	0.000	0.000	0.000
148	11/27/2017	11:36:29	0.000	0.000	0.000
149	11/27/2017	11:37:29	0.000	0.000	0.000
150	11/27/2017	11:38:29	0.000	0.000	0.000
151	11/27/2017	11:39:29	0.000	0.000	0.000
152	11/27/2017	11:40:29	0.000	0.000	0.000
153	11/27/2017	11:41:29	0.000	0.000	0.000
154	11/27/2017	11:42:29	0.000	0.000	0.000
155	11/27/2017	11:43:29	0.000	0.000	0.000
156	11/27/2017	11:44:29	0.000	0.000	0.000
157	11/27/2017	11:45:29	0.000	0.000	0.000
158	11/27/2017	11:46:29	0.000	0.000	0.000
159	11/27/2017	11:47:29	0.000	0.000	0.000
160	11/27/2017	11:48:29	0.000	0.000	0.000
161	11/27/2017	11:49:29	0.000	0.000	0.000
162	11/27/2017	11:50:29	0.000	0.000	0.000
163	11/27/2017	11:51:29	0.000	0.000	0.000
164	11/27/2017	11:52:29	0.000	0.000	0.000
165	11/27/2017	11:53:29	0.000	0.000	0.000
166	11/27/2017	11:54:29	0.000	0.000	0.000
167	11/27/2017	11:55:29	0.000	0.000	0.000
168	11/27/2017	11:56:29	0.000	0.000	0.000
169	11/27/2017	11:57:29	0.000	0.000	0.000
170	11/27/2017	11:58:29	0.000	0.000	0.000
171	11/27/2017	11:59:29	0.000	0.000	0.000
172	11/27/2017	12:00:29	0.000	0.000	0.000
173	11/27/2017	12:01:29	0.000	0.000	0.000
174	11/27/2017	12:02:29	0.000	0.000	0.000
175	11/27/2017	12:03:29	0.000	0.000	0.000
176	11/27/2017	12:04:29	0.000	0.000	0.000
177	11/27/2017	12:05:29	0.000	0.000	0.000
178	11/27/2017	12:06:29	0.000	0.000	0.000
179	11/27/2017	12:07:29	0.000	0.000	0.000
180	11/27/2017	12:08:29	0.000	0.000	0.000
181	11/27/2017	12:09:29	0.000	0.000	0.000
182	11/27/2017	12:10:29	0.000	0.000	0.000
183	11/27/2017	12:11:29	0.000	0.000	0.000
184	11/27/2017	12:12:29	0.000	0.000	0.000
185	11/27/2017	12:13:29	0.000	0.000	0.000
186	11/27/2017	12:14:29	0.000	0.000	0.000
187	11/27/2017	12:15:29	0.000	0.000	0.000
188	11/27/2017	12:16:29	0.000	0.000	0.000
189	11/27/2017	12:17:29	0.000	0.000	0.000

			Pine_24759_20180226		
190	11/27/2017	12:18:29	0.000	0.000	0.000
191	11/27/2017	12:19:29	0.000	0.000	0.000
192	11/27/2017	12:20:29	0.000	0.000	0.000
193	11/27/2017	12:21:29	0.000	0.000	0.000
194	11/27/2017	12:22:29	0.000	0.000	0.000
195	11/27/2017	12:23:29	0.000	0.000	0.000
196	11/27/2017	12:24:29	0.000	0.000	0.000
197	11/27/2017	12:25:29	0.000	0.000	0.000
198	11/27/2017	12:26:29	0.000	0.000	0.000
199	11/27/2017	12:27:29	0.000	0.000	0.000
200	11/27/2017	12:28:29	0.000	0.000	0.000
201	11/27/2017	12:29:29	0.000	0.000	0.000
202	11/27/2017	12:30:29	0.000	0.000	0.000
203	11/27/2017	12:31:29	0.000	0.000	0.000
204	11/27/2017	12:32:29	0.000	0.000	0.000
205	11/27/2017	12:33:29	0.000	0.000	0.000
206	11/27/2017	12:34:29	0.000	0.000	0.000
207	11/27/2017	12:35:29	0.000	0.000	0.000
208	11/27/2017	12:36:29	0.000	0.000	0.000
209	11/27/2017	12:37:29	0.000	0.000	0.000
210	11/27/2017	12:38:29	0.000	0.000	0.000
211	11/27/2017	12:39:29	0.000	0.000	0.000
212	11/27/2017	12:40:29	0.000	0.000	0.000
213	11/27/2017	12:41:29	0.000	0.000	0.000
214	11/27/2017	12:42:29	0.000	0.000	0.000
215	11/27/2017	12:43:29	0.000	0.000	0.000
216	11/27/2017	12:44:29	0.000	0.000	0.000
217	11/27/2017	12:45:29	0.000	0.000	0.000
218	11/27/2017	12:46:29	0.000	0.000	0.000
219	11/27/2017	12:47:29	0.000	0.000	0.000
220	11/27/2017	12:48:29	0.000	0.000	0.000
221	11/27/2017	12:49:29	0.000	0.000	0.000
222	11/27/2017	12:50:29	0.000	0.000	0.000
223	11/27/2017	12:51:29	0.000	0.000	0.000
224	11/27/2017	12:52:29	0.000	0.000	0.000
225	11/27/2017	12:53:29	0.000	0.000	0.000
226	11/27/2017	12:54:29	0.000	0.000	0.000
227	11/27/2017	12:55:29	0.000	0.000	0.000
228	11/27/2017	12:56:29	0.000	0.000	0.000
229	11/27/2017	12:57:29	0.000	0.000	0.000
230	11/27/2017	12:58:29	0.000	0.000	0.000
231	11/27/2017	12:59:29	0.000	0.000	0.000
232	11/27/2017	13:00:29	0.000	0.000	0.000
233	11/27/2017	13:01:29	0.000	0.000	0.000
234	11/27/2017	13:02:29	0.000	0.000	0.000
235	11/27/2017	13:03:29	0.000	0.000	0.000
236	11/27/2017	13:04:29	0.000	0.000	0.000
237	11/27/2017	13:05:29	0.000	0.000	0.000

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238	11/27/2017	13:06:29	0.000	0.000	0.000
239	11/27/2017	13:07:29	0.000	0.000	0.000
240	11/27/2017	13:08:29	0.000	0.000	0.000
241	11/27/2017	13:09:29	0.000	0.000	0.000
242	11/27/2017	13:10:29	0.000	0.000	0.000
243	11/27/2017	13:11:29	0.000	0.000	0.000
244	11/27/2017	13:12:29	0.000	0.000	0.000
245	11/27/2017	13:13:29	0.000	0.000	0.000
246	11/27/2017	13:14:29	0.000	0.000	0.000
247	11/27/2017	13:15:29	0.000	0.000	0.000
248	11/27/2017	13:16:29	0.000	0.000	0.000
249	11/27/2017	13:17:29	0.000	0.000	0.000
250	11/27/2017	13:18:29	0.000	0.000	0.000
251	11/27/2017	13:19:29	0.000	0.000	0.000
252	11/27/2017	13:20:29	0.000	0.000	0.000
253	11/27/2017	13:21:29	0.000	0.000	0.000
254	11/27/2017	13:22:29	0.000	0.000	0.000
255	11/27/2017	13:23:29	0.000	0.000	0.000
256	11/27/2017	13:24:29	0.000	0.000	0.000
257	11/27/2017	13:25:29	0.000	0.000	0.000
258	11/27/2017	13:26:29	0.000	0.000	0.000
259	11/27/2017	13:27:29	0.000	0.000	0.000
260	11/27/2017	13:28:29	0.000	0.000	0.000
261	11/27/2017	13:29:29	0.000	0.000	0.000
262	11/27/2017	13:30:29	0.000	0.000	0.000
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265	11/27/2017	13:33:29	0.000	0.000	0.000
266	11/27/2017	13:34:29	0.000	0.000	0.000
267	11/27/2017	13:35:29	0.000	0.000	0.000
268	11/27/2017	13:36:29	0.000	0.000	0.000
269	11/27/2017	13:37:29	0.000	0.000	0.000
270	11/27/2017	13:38:29	0.000	0.000	0.000
271	11/27/2017	13:39:29	0.000	0.000	0.000
272	11/27/2017	13:40:29	0.000	0.000	0.000
273	11/27/2017	13:41:29	0.000	0.000	0.000
274	11/27/2017	13:42:29	0.000	0.000	0.000
275	11/27/2017	13:43:29	0.000	0.000	0.000
276	11/27/2017	13:44:29	0.000	0.000	0.000
277	11/27/2017	13:45:29	0.000	0.000	0.000
278	11/27/2017	13:46:29	0.000	0.000	0.000
279	11/27/2017	13:47:29	0.000	0.000	0.000
280	11/27/2017	13:48:29	0.000	0.000	0.000
281	11/27/2017	13:49:29	0.000	0.000	0.000
282	11/27/2017	13:50:29	0.000	0.000	0.000
283	11/27/2017	13:51:29	0.000	0.000	0.000
284	11/27/2017	13:52:29	0.000	0.000	0.000
285	11/27/2017	13:53:29	0.000	0.000	0.000

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286	11/27/2017	13:54:29	0.000	0.000	0.000
287	11/27/2017	13:55:29	0.000	0.000	0.000
288	11/27/2017	13:56:29	0.000	0.000	0.000
289	11/27/2017	13:57:29	0.000	0.000	0.000
290	11/27/2017	13:58:29	0.000	0.000	0.000
291	11/27/2017	13:59:29	0.000	0.000	0.000
292	11/27/2017	14:00:29	0.000	0.000	0.000
293	11/27/2017	14:01:29	0.000	0.000	0.000
294	11/27/2017	14:02:29	0.000	0.000	0.000
295	11/27/2017	14:03:29	0.000	0.000	0.000
296	11/27/2017	14:04:29	0.000	0.000	0.000
297	11/27/2017	14:05:29	0.000	0.000	0.000
298	11/27/2017	14:06:29	0.000	0.000	0.000
299	11/27/2017	14:07:29	0.000	0.000	0.000
300	11/27/2017	14:08:29	0.000	0.000	0.000
301	11/27/2017	14:09:29	0.000	0.000	0.000
302	11/27/2017	14:10:29	0.000	0.000	0.000
303	11/27/2017	14:11:29	0.000	0.000	0.000
304	11/27/2017	14:12:29	0.000	0.000	0.000
305	11/27/2017	14:13:29	0.000	0.000	0.000
306	11/27/2017	14:14:29	0.000	0.000	0.000
307	11/27/2017	14:15:29	0.000	0.000	0.000
308	11/27/2017	14:16:29	0.000	0.000	0.000
309	11/27/2017	14:17:29	0.000	0.000	0.000
310	11/27/2017	14:18:29	0.000	0.000	0.000
311	11/27/2017	14:19:29	0.000	0.000	0.000
312	11/27/2017	14:20:29	0.000	0.000	0.000
313	11/27/2017	14:21:29	0.000	0.000	0.000
314	11/27/2017	14:22:29	0.000	0.000	0.000
315	11/27/2017	14:23:29	0.000	0.000	0.000
316	11/27/2017	14:24:29	0.000	0.000	0.000
317	11/27/2017	14:25:29	0.000	0.000	0.000
318	11/27/2017	14:26:29	0.000	0.000	0.000
319	11/27/2017	14:27:29	0.000	0.000	0.000
320	11/27/2017	14:28:29	0.000	0.000	0.000
321	11/27/2017	14:29:29	0.000	0.000	0.000
322	11/27/2017	14:30:29	0.000	0.000	0.000
323	11/27/2017	14:31:29	0.000	0.000	0.000
324	11/27/2017	14:32:29	0.000	0.000	0.000
325	11/27/2017	14:33:29	0.000	0.000	0.000
326	11/27/2017	14:34:29	0.000	0.000	0.000
327	11/27/2017	14:35:29	0.000	0.000	0.000
328	11/27/2017	14:36:29	0.000	0.000	0.000
329	11/27/2017	14:37:29	0.000	0.000	0.000
330	11/27/2017	14:38:29	0.000	0.000	0.000
331	11/27/2017	14:39:29	0.000	0.000	0.000
332	11/27/2017	14:40:29	0.000	0.000	0.000
333	11/27/2017	14:41:29	0.000	0.000	0.000

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334	11/27/2017	14:42:29	0.000	0.000	0.000
335	11/27/2017	14:43:29	0.000	0.000	0.000
336	11/27/2017	14:44:29	0.000	0.000	0.000
337	11/27/2017	14:45:29	0.000	0.000	0.000
338	11/27/2017	14:46:29	0.000	0.000	0.000
339	11/27/2017	14:47:29	0.000	0.000	0.000
340	11/27/2017	14:48:29	0.000	0.000	0.000
341	11/27/2017	14:49:29	0.000	0.000	0.000
342	11/27/2017	14:50:29	0.000	0.000	0.000
343	11/27/2017	14:51:29	0.000	0.000	0.000
344	11/27/2017	14:52:29	0.000	0.000	0.000
345	11/27/2017	14:53:29	0.000	0.000	0.000
346	11/27/2017	14:54:29	0.000	0.000	0.000
347	11/27/2017	14:55:29	0.000	0.000	0.000
348	11/27/2017	14:56:29	0.000	0.000	0.000
349	11/27/2017	14:57:29	0.000	0.000	0.000
350	11/27/2017	14:58:29	0.000	0.000	0.000
351	11/27/2017	14:59:29	0.000	0.000	0.000
352	11/27/2017	15:00:29	0.000	0.000	0.000
353	11/27/2017	15:01:29	0.000	0.000	0.000
354	11/27/2017	15:02:29	0.000	0.000	0.000
355	11/27/2017	15:03:29	0.000	0.000	0.000
356	11/27/2017	15:04:29	0.000	0.000	0.000
357	11/27/2017	15:05:29	0.000	0.000	0.000
358	11/27/2017	15:06:29	0.000	0.000	0.000
359	11/27/2017	15:07:29	0.000	0.000	0.000
360	11/27/2017	15:08:29	0.000	0.000	0.000
361	11/27/2017	15:09:29	0.000	0.000	0.000
362	11/27/2017	15:10:29	0.000	0.000	0.000
363	11/27/2017	15:11:29	0.000	0.000	0.000
364	11/27/2017	15:12:29	0.000	0.000	0.000
365	11/27/2017	15:13:29	0.000	0.000	0.000
366	11/27/2017	15:14:29	0.000	0.000	0.000
367	11/27/2017	15:15:29	0.000	0.000	0.000
368	11/27/2017	15:16:29	0.000	0.000	0.000
369	11/27/2017	15:17:29	0.000	0.000	0.000
370	11/27/2017	15:18:29	0.000	0.000	0.000
371	11/27/2017	15:19:29	0.000	0.000	0.000
372	11/27/2017	15:20:29	0.000	0.000	0.000
373	11/27/2017	15:21:29	0.000	0.000	0.000
374	11/27/2017	15:22:29	0.000	0.000	0.000
375	11/27/2017	15:23:29	0.000	0.000	0.000
376	11/27/2017	15:24:29	0.000	0.000	0.000
377	11/27/2017	15:25:29	0.000	0.000	0.000
378	11/27/2017	15:26:29	0.000	0.000	0.000
379	11/27/2017	15:27:29	0.000	0.000	0.000
380	11/27/2017	15:28:29	0.000	0.000	0.000
381	11/27/2017	15:29:29	0.000	0.000	0.000

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382	11/27/2017	15:30:29	0.000	0.000	0.000
383	11/27/2017	15:31:29	0.000	0.000	0.000
384	11/27/2017	15:32:29	0.000	0.000	0.000
385	11/27/2017	15:33:29	0.000	0.000	0.000
386	11/27/2017	15:34:29	0.000	0.000	0.000
387	11/27/2017	15:35:29	0.000	0.000	0.000
388	11/27/2017	15:36:29	0.000	0.000	0.000
389	11/27/2017	15:37:29	0.000	0.000	0.000
390	11/27/2017	15:38:29	0.000	0.000	0.000
391	11/27/2017	15:39:29	0.000	0.000	0.000
392	11/27/2017	15:40:29	0.000	0.000	0.000
393	11/27/2017	15:41:29	0.000	0.000	0.000
394	11/27/2017	15:42:29	0.000	0.000	0.000
395	11/27/2017	15:43:29	0.000	0.000	0.000
396	11/27/2017	15:44:29	0.000	0.000	0.000
397	11/27/2017	15:45:29	0.000	0.000	0.000
398	11/27/2017	15:46:29	0.000	0.000	0.000
399	11/27/2017	15:47:29	0.000	0.000	0.000
400	11/27/2017	15:48:29	0.000	0.000	0.000
401	11/27/2017	15:49:29	0.000	0.000	0.000
402	11/27/2017	15:50:29	0.000	0.000	0.000
403	11/27/2017	15:51:29	0.000	0.000	0.000
404	11/27/2017	15:52:29	0.000	0.000	0.000
405	11/27/2017	15:53:29	0.000	0.000	0.000
406	11/27/2017	15:54:29	0.000	0.000	0.000
407	11/27/2017	15:55:29	0.000	0.000	0.000
408	11/27/2017	15:56:29	0.000	0.000	0.000
409	11/27/2017	15:57:29	0.000	0.000	0.000
410	11/27/2017	15:58:29	0.000	0.000	0.000
411	11/27/2017	15:59:29	0.000	0.000	0.000
412	11/27/2017	16:00:29	0.000	0.000	0.000
413	11/27/2017	16:01:29	0.000	0.000	0.000
414	11/27/2017	16:02:29	0.000	0.000	0.000
415	11/27/2017	16:03:29	0.000	0.000	0.000
416	11/27/2017	16:04:29	0.000	0.000	0.000
417	11/27/2017	16:05:29	0.000	0.000	0.000
418	11/27/2017	16:06:29	0.000	0.000	0.000
419	11/27/2017	16:07:29	0.000	0.000	0.000
420	11/27/2017	16:08:29	0.000	0.000	0.000
421	11/27/2017	16:09:29	0.000	0.000	0.000
422	11/27/2017	16:10:29	0.000	0.000	0.000
423	11/27/2017	16:11:29	0.000	0.000	0.000
424	11/27/2017	16:12:29	0.000	0.000	0.000
425	11/27/2017	16:13:29	0.000	0.000	0.000
426	11/27/2017	16:14:29	0.000	0.000	0.000
427	11/27/2017	16:15:29	0.000	0.000	0.000
428	11/27/2017	16:16:29	0.000	0.000	0.000
429	11/27/2017	16:17:29	0.000	0.000	0.000

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

			Pine_24759_20180226		
478	11/27/2017	17:06:29	0.000	0.000	0.000
479	11/27/2017	17:07:29	0.000	0.000	0.000
480	11/27/2017	17:08:29	0.000	0.000	0.000
481	11/27/2017	17:09:29	0.000	0.000	0.000
482	11/27/2017	17:10:29	0.000	0.000	0.000
483	11/27/2017	17:11:29	0.000	0.000	0.000
484	11/27/2017	17:12:29	0.000	0.000	0.000
485	11/27/2017	17:13:29	0.000	0.000	0.000
486	11/27/2017	17:14:29	0.000	0.000	0.000
487	11/27/2017	17:15:29	0.000	0.000	0.000
488	11/27/2017	17:16:29	0.000	0.000	0.000
489	11/27/2017	17:17:29	0.000	0.000	0.000
490	11/27/2017	17:18:29	0.000	0.000	0.000
491	11/27/2017	17:19:29	0.000	0.000	0.000
492	11/27/2017	17:20:29	0.000	0.000	0.000
493	11/27/2017	17:21:29	0.000	0.000	0.000
494	11/27/2017	17:22:29	0.000	0.000	0.000
495	11/27/2017	17:23:29	0.000	0.000	0.000
496	11/27/2017	17:24:29	0.000	0.000	0.000
497	11/27/2017	17:25:29	0.000	0.000	0.000
498	11/27/2017	17:26:29	0.000	0.000	0.000
499	11/27/2017	17:27:29	0.000	0.000	0.000
500	11/27/2017	17:28:29	0.000	0.000	0.000
501	11/27/2017	17:29:29	0.000	0.000	0.000
502	11/27/2017	17:30:29	0.000	0.000	0.000
503	11/27/2017	17:31:29	0.000	0.000	0.000
504	11/27/2017	17:32:29	0.000	0.000	0.000
505	11/27/2017	17:33:29	0.000	0.000	0.000
506	11/27/2017	17:34:29	0.000	0.000	0.000
507	11/27/2017	17:35:29	0.000	0.000	0.000
508	11/27/2017	17:36:29	0.000	0.000	0.000
509	11/27/2017	17:37:29	0.000	0.000	0.000
510	11/27/2017	17:38:29	0.000	0.000	0.000
511	11/27/2017	17:39:29	0.000	0.000	0.000
512	11/27/2017	17:40:29	0.000	0.000	0.000
513	11/27/2017	17:41:29	0.000	0.000	0.000
514	11/27/2017	17:42:29	0.000	0.000	0.000
515	11/27/2017	17:43:29	0.000	0.000	0.002
516	11/27/2017	17:44:29	0.000	0.004	0.009
517	11/27/2017	17:45:29	0.006	0.008	0.011
518	11/27/2017	17:46:29	0.005	0.007	0.010
519	11/27/2017	17:47:29	0.010	0.013	0.019
520	11/27/2017	17:48:29	0.015	0.019	0.025
521	11/27/2017	17:49:29	0.019	0.024	0.029
522	11/27/2017	17:50:29	0.016	0.023	0.029
523	11/27/2017	17:51:29	0.022	0.027	0.035
524	11/27/2017	17:52:29	0.022	0.028	0.037
Peak		0.022 0.028	0.313		

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Min 0.000 0.000 0.000
Average 0.000 0.000 0.001

17/11/28 09:18

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin 11/28/2017 09:18:45
End 11/28/2017 17:41:31
Sample Period(s) 60
Number of Records 502

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	11/28/2017 09:19:45	0.000	0.000	0.000	0.000
002	11/28/2017 09:20:45	0.000	0.000	0.000	0.000
003	11/28/2017 09:21:45	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
004	11/28/2017	09:22:45	0.000	0.000	0.000
005	11/28/2017	09:23:45	0.000	0.000	0.000
006	11/28/2017	09:24:45	0.000	0.000	0.000
007	11/28/2017	09:25:45	0.000	0.000	0.000
008	11/28/2017	09:26:45	0.000	0.000	0.000
009	11/28/2017	09:27:45	0.000	0.000	0.000
010	11/28/2017	09:28:45	0.000	0.000	0.000
011	11/28/2017	09:29:45	0.000	0.000	0.000
012	11/28/2017	09:30:45	0.000	0.000	0.000
013	11/28/2017	09:31:45	0.000	0.000	0.000
014	11/28/2017	09:32:45	0.000	0.000	0.000
015	11/28/2017	09:33:45	0.000	0.000	0.000
016	11/28/2017	09:34:45	0.000	0.000	0.000
017	11/28/2017	09:35:45	0.000	0.000	0.000
018	11/28/2017	09:36:45	0.000	0.000	0.000
019	11/28/2017	09:37:45	0.000	0.000	0.000
020	11/28/2017	09:38:45	0.000	0.000	0.000
021	11/28/2017	09:39:45	0.000	0.000	0.000
022	11/28/2017	09:40:45	0.000	0.000	0.000
023	11/28/2017	09:41:45	0.000	0.000	0.000
024	11/28/2017	09:42:45	0.000	0.000	0.000
025	11/28/2017	09:43:45	0.000	0.000	0.000
026	11/28/2017	09:44:45	0.000	0.000	0.000
027	11/28/2017	09:45:45	0.000	0.000	0.000
028	11/28/2017	09:46:45	0.000	0.000	0.000
029	11/28/2017	09:47:45	0.000	0.000	0.000
030	11/28/2017	09:48:45	0.000	0.000	0.000
031	11/28/2017	09:49:45	0.000	0.000	0.000
032	11/28/2017	09:50:45	0.000	0.000	0.000
033	11/28/2017	09:51:45	0.000	0.000	0.000
034	11/28/2017	09:52:45	0.000	0.000	0.000
035	11/28/2017	09:53:45	0.000	0.000	0.000
036	11/28/2017	09:54:45	0.000	0.000	0.000
037	11/28/2017	09:55:45	0.000	0.000	0.000
038	11/28/2017	09:56:45	0.000	0.000	0.000
039	11/28/2017	09:57:45	0.000	0.000	0.000
040	11/28/2017	09:58:45	0.000	0.000	0.000
041	11/28/2017	09:59:45	0.000	0.000	0.000
042	11/28/2017	10:00:45	0.000	0.000	0.000
043	11/28/2017	10:01:45	0.000	0.000	0.000
044	11/28/2017	10:02:45	0.000	0.000	0.000
045	11/28/2017	10:03:45	0.000	0.000	0.000
046	11/28/2017	10:04:45	0.000	0.000	0.000
047	11/28/2017	10:05:45	0.000	0.000	0.000
048	11/28/2017	10:06:45	0.000	0.000	0.000
049	11/28/2017	10:07:45	0.000	0.000	0.000
050	11/28/2017	10:08:45	0.000	0.000	0.000
051	11/28/2017	10:09:45	0.000	0.000	0.000

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052	11/28/2017	10:10:45	0.000	0.000	0.000
053	11/28/2017	10:11:45	0.000	0.000	0.000
054	11/28/2017	10:12:45	0.000	0.000	0.000
055	11/28/2017	10:13:45	0.000	0.000	0.000
056	11/28/2017	10:14:45	0.000	0.000	0.000
057	11/28/2017	10:15:45	0.000	0.000	0.000
058	11/28/2017	10:16:45	0.000	0.000	0.000
059	11/28/2017	10:17:45	0.000	0.000	0.000
060	11/28/2017	10:18:45	0.000	0.000	0.000
061	11/28/2017	10:19:45	0.000	0.000	0.000
062	11/28/2017	10:20:45	0.000	0.000	0.000
063	11/28/2017	10:21:45	0.000	0.000	0.000
064	11/28/2017	10:22:45	0.000	0.000	0.000
065	11/28/2017	10:23:45	0.000	0.000	0.000
066	11/28/2017	10:24:45	0.000	0.000	0.000
067	11/28/2017	10:25:45	0.000	0.000	0.000
068	11/28/2017	10:26:45	0.000	0.000	0.000
069	11/28/2017	10:27:45	0.000	0.000	0.000
070	11/28/2017	10:28:45	0.000	0.000	0.000
071	11/28/2017	10:29:45	0.000	0.000	0.000
072	11/28/2017	10:30:45	0.000	0.000	0.000
073	11/28/2017	10:31:45	0.000	0.000	0.000
074	11/28/2017	10:32:45	0.000	0.000	0.000
075	11/28/2017	10:33:45	0.000	0.000	0.000
076	11/28/2017	10:34:45	0.000	0.000	0.000
077	11/28/2017	10:35:45	0.000	0.000	0.000
078	11/28/2017	10:36:45	0.000	0.000	0.000
079	11/28/2017	10:37:45	0.000	0.000	0.000
080	11/28/2017	10:38:45	0.000	0.000	0.000
081	11/28/2017	10:39:45	0.000	0.000	0.000
082	11/28/2017	10:40:45	0.000	0.000	0.000
083	11/28/2017	10:41:45	0.000	0.000	0.000
084	11/28/2017	10:42:45	0.000	0.000	0.000
085	11/28/2017	10:43:45	0.000	0.000	0.000
086	11/28/2017	10:44:45	0.000	0.000	0.000
087	11/28/2017	10:45:45	0.000	0.000	0.000
088	11/28/2017	10:46:45	0.000	0.000	0.000
089	11/28/2017	10:47:45	0.000	0.000	0.000
090	11/28/2017	10:48:45	0.000	0.000	0.000
091	11/28/2017	10:49:45	0.000	0.000	0.000
092	11/28/2017	10:50:45	0.000	0.000	0.000
093	11/28/2017	10:51:45	0.000	0.000	0.000
094	11/28/2017	10:52:45	0.000	0.000	0.000
095	11/28/2017	10:53:45	0.000	0.000	0.000
096	11/28/2017	10:54:45	0.000	0.000	0.000
097	11/28/2017	10:55:45	0.000	0.000	0.000
098	11/28/2017	10:56:45	0.000	0.000	0.000
099	11/28/2017	10:57:45	0.000	0.000	0.000

			Pine_24759_20180226		
100	11/28/2017	10:58:45	0.000	0.000	0.000
101	11/28/2017	10:59:45	0.000	0.000	0.000
102	11/28/2017	11:00:45	0.000	0.000	0.000
103	11/28/2017	11:01:45	0.000	0.000	0.000
104	11/28/2017	11:02:45	0.000	0.000	0.000
105	11/28/2017	11:03:45	0.000	0.000	0.000
106	11/28/2017	11:04:45	0.000	0.000	0.000
107	11/28/2017	11:05:45	0.000	0.000	0.000
108	11/28/2017	11:06:45	0.000	0.000	0.000
109	11/28/2017	11:07:45	0.000	0.000	0.000
110	11/28/2017	11:08:45	0.000	0.000	0.000
111	11/28/2017	11:09:45	0.000	0.000	0.000
112	11/28/2017	11:10:45	0.000	0.000	0.000
113	11/28/2017	11:11:45	0.000	0.000	0.000
114	11/28/2017	11:12:45	0.000	0.000	0.000
115	11/28/2017	11:13:45	0.000	0.000	0.000
116	11/28/2017	11:14:45	0.000	0.000	0.000
117	11/28/2017	11:15:45	0.000	0.000	0.000
118	11/28/2017	11:16:45	0.000	0.000	0.000
119	11/28/2017	11:17:45	0.000	0.000	0.000
120	11/28/2017	11:18:45	0.000	0.000	0.000
121	11/28/2017	11:19:45	0.000	0.000	0.000
122	11/28/2017	11:20:45	0.000	0.000	0.000
123	11/28/2017	11:21:45	0.000	0.000	0.000
124	11/28/2017	11:22:45	0.000	0.000	0.000
125	11/28/2017	11:23:45	0.000	0.000	0.000
126	11/28/2017	11:24:45	0.000	0.000	0.000
127	11/28/2017	11:25:45	0.000	0.000	0.000
128	11/28/2017	11:26:45	0.000	0.000	0.000
129	11/28/2017	11:27:45	0.000	0.000	0.000
130	11/28/2017	11:28:45	0.000	0.000	0.000
131	11/28/2017	11:29:45	0.000	0.000	0.000
132	11/28/2017	11:30:45	0.000	0.000	0.000
133	11/28/2017	11:31:45	0.000	0.000	0.000
134	11/28/2017	11:32:45	0.000	0.000	0.000
135	11/28/2017	11:33:45	0.000	0.000	0.000
136	11/28/2017	11:34:45	0.000	0.000	0.000
137	11/28/2017	11:35:45	0.000	0.000	0.000
138	11/28/2017	11:36:45	0.000	0.000	0.000
139	11/28/2017	11:37:45	0.000	0.000	0.000
140	11/28/2017	11:38:45	0.000	0.000	0.000
141	11/28/2017	11:39:45	0.000	0.000	0.000
142	11/28/2017	11:40:45	0.000	0.000	0.000
143	11/28/2017	11:41:45	0.000	0.000	0.000
144	11/28/2017	11:42:45	0.000	0.000	0.000
145	11/28/2017	11:43:45	0.000	0.000	0.000
146	11/28/2017	11:44:45	0.000	0.000	0.000
147	11/28/2017	11:45:45	0.000	0.000	0.000

			Pine_24759_20180226		
148	11/28/2017	11:46:45	0.000	0.000	0.000
149	11/28/2017	11:47:45	0.000	0.000	0.000
150	11/28/2017	11:48:45	0.000	0.000	0.000
151	11/28/2017	11:49:45	0.000	0.000	0.000
152	11/28/2017	11:50:45	0.000	0.000	0.000
153	11/28/2017	11:51:45	0.000	0.000	0.000
154	11/28/2017	11:52:45	0.000	0.000	0.000
155	11/28/2017	11:53:45	0.000	0.000	0.000
156	11/28/2017	11:54:45	0.000	0.000	0.000
157	11/28/2017	11:55:45	0.000	0.000	0.000
158	11/28/2017	11:56:45	0.000	0.000	0.000
159	11/28/2017	11:57:45	0.000	0.000	0.000
160	11/28/2017	11:58:45	0.000	0.000	0.000
161	11/28/2017	11:59:45	0.000	0.000	0.000
162	11/28/2017	12:00:45	0.000	0.000	0.000
163	11/28/2017	12:01:45	0.000	0.000	0.000
164	11/28/2017	12:02:45	0.000	0.000	0.000
165	11/28/2017	12:03:45	0.000	0.000	0.000
166	11/28/2017	12:04:45	0.000	0.000	0.000
167	11/28/2017	12:05:45	0.000	0.000	0.000
168	11/28/2017	12:06:45	0.000	0.000	0.000
169	11/28/2017	12:07:45	0.000	0.000	0.000
170	11/28/2017	12:08:45	0.000	0.000	0.000
171	11/28/2017	12:09:45	0.000	0.000	0.000
172	11/28/2017	12:10:45	0.000	0.000	0.000
173	11/28/2017	12:11:45	0.000	0.000	0.000
174	11/28/2017	12:12:45	0.000	0.000	0.000
175	11/28/2017	12:13:45	0.000	0.000	0.000
176	11/28/2017	12:14:45	0.000	0.000	0.000
177	11/28/2017	12:15:45	0.000	0.000	0.000
178	11/28/2017	12:16:45	0.000	0.000	0.000
179	11/28/2017	12:17:45	0.000	0.000	0.000
180	11/28/2017	12:18:45	0.000	0.000	0.000
181	11/28/2017	12:19:45	0.000	0.000	0.000
182	11/28/2017	12:20:45	0.000	0.000	0.000
183	11/28/2017	12:21:45	0.000	0.000	0.000
184	11/28/2017	12:22:45	0.000	0.000	0.000
185	11/28/2017	12:23:45	0.000	0.000	0.000
186	11/28/2017	12:24:45	0.000	0.000	0.000
187	11/28/2017	12:25:45	0.000	0.000	0.000
188	11/28/2017	12:26:45	0.000	0.000	0.000
189	11/28/2017	12:27:45	0.000	0.000	0.000
190	11/28/2017	12:28:45	0.000	0.000	0.000
191	11/28/2017	12:29:45	0.000	0.000	0.000
192	11/28/2017	12:30:45	0.000	0.000	0.000
193	11/28/2017	12:31:45	0.000	0.000	0.000
194	11/28/2017	12:32:45	0.000	0.000	0.000
195	11/28/2017	12:33:45	0.000	0.000	0.000

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196	11/28/2017	12:34:45	0.000	0.000	0.000
197	11/28/2017	12:35:45	0.000	0.000	0.000
198	11/28/2017	12:36:45	0.000	0.000	0.000
199	11/28/2017	12:37:45	0.000	0.000	0.000
200	11/28/2017	12:38:45	0.000	0.000	0.000
201	11/28/2017	12:39:45	0.000	0.000	0.000
202	11/28/2017	12:40:45	0.000	0.000	0.000
203	11/28/2017	12:41:45	0.000	0.000	0.000
204	11/28/2017	12:42:45	0.000	0.000	0.000
205	11/28/2017	12:43:45	0.000	0.000	0.000
206	11/28/2017	12:44:45	0.000	0.000	0.000
207	11/28/2017	12:45:45	0.000	0.000	0.000
208	11/28/2017	12:46:45	0.000	0.000	0.000
209	11/28/2017	12:47:45	0.000	0.000	0.000
210	11/28/2017	12:48:45	0.000	0.000	0.000
211	11/28/2017	12:49:45	0.000	0.000	0.000
212	11/28/2017	12:50:45	0.000	0.000	0.000
213	11/28/2017	12:51:45	0.000	0.000	0.000
214	11/28/2017	12:52:45	0.000	0.000	0.000
215	11/28/2017	12:53:45	0.000	0.000	0.000
216	11/28/2017	12:54:45	0.000	0.000	0.000
217	11/28/2017	12:55:45	0.000	0.000	0.000
218	11/28/2017	12:56:45	0.000	0.000	0.000
219	11/28/2017	12:57:45	0.000	0.000	0.000
220	11/28/2017	12:58:45	0.000	0.000	0.000
221	11/28/2017	12:59:45	0.000	0.000	0.000
222	11/28/2017	13:00:45	0.000	0.000	0.000
223	11/28/2017	13:01:45	0.000	0.000	0.000
224	11/28/2017	13:02:45	0.000	0.000	0.000
225	11/28/2017	13:03:45	0.000	0.000	0.000
226	11/28/2017	13:04:45	0.000	0.000	0.000
227	11/28/2017	13:05:45	0.000	0.000	0.000
228	11/28/2017	13:06:45	0.000	0.000	0.000
229	11/28/2017	13:07:45	0.000	0.000	0.000
230	11/28/2017	13:08:45	0.000	0.000	0.000
231	11/28/2017	13:09:45	0.000	0.000	0.000
232	11/28/2017	13:10:45	0.000	0.000	0.000
233	11/28/2017	13:11:45	0.000	0.000	0.000
234	11/28/2017	13:12:45	0.000	0.000	0.000
235	11/28/2017	13:13:45	0.000	0.000	0.000
236	11/28/2017	13:14:45	0.000	0.000	0.000
237	11/28/2017	13:15:45	0.000	0.000	0.000
238	11/28/2017	13:16:45	0.000	0.000	0.000
239	11/28/2017	13:17:45	0.000	0.000	0.000
240	11/28/2017	13:18:45	0.000	0.000	0.000
241	11/28/2017	13:19:45	0.000	0.000	0.000
242	11/28/2017	13:20:45	0.000	0.000	0.000
243	11/28/2017	13:21:45	0.000	0.000	0.000

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244	11/28/2017	13:22:45	0.000	0.000	0.000
245	11/28/2017	13:23:45	0.000	0.000	0.000
246	11/28/2017	13:24:45	0.000	0.000	0.000
247	11/28/2017	13:25:45	0.000	0.000	0.000
248	11/28/2017	13:26:45	0.000	0.000	0.000
249	11/28/2017	13:27:45	0.000	0.000	0.000
250	11/28/2017	13:28:45	0.000	0.000	0.000
251	11/28/2017	13:29:45	0.000	0.000	0.000
252	11/28/2017	13:30:45	0.000	0.000	0.000
253	11/28/2017	13:31:45	0.000	0.000	0.000
254	11/28/2017	13:32:45	0.000	0.000	0.000
255	11/28/2017	13:33:45	0.000	0.000	0.000
256	11/28/2017	13:34:45	0.000	0.000	0.000
257	11/28/2017	13:35:45	0.000	0.000	0.000
258	11/28/2017	13:36:45	0.000	0.000	0.000
259	11/28/2017	13:37:45	0.000	0.000	0.000
260	11/28/2017	13:38:45	0.000	0.000	0.000
261	11/28/2017	13:39:45	0.000	0.000	0.000
262	11/28/2017	13:40:45	0.000	0.000	0.000
263	11/28/2017	13:41:45	0.000	0.000	0.000
264	11/28/2017	13:42:45	0.000	0.000	0.000
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266	11/28/2017	13:44:45	0.000	0.000	0.000
267	11/28/2017	13:45:45	0.000	0.000	0.000
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270	11/28/2017	13:48:45	0.000	0.000	0.000
271	11/28/2017	13:49:45	0.000	0.000	0.000
272	11/28/2017	13:50:45	0.000	0.000	0.000
273	11/28/2017	13:51:45	0.000	0.000	0.000
274	11/28/2017	13:52:45	0.000	0.000	0.000
275	11/28/2017	13:53:45	0.000	0.000	0.000
276	11/28/2017	13:54:45	0.000	0.000	0.000
277	11/28/2017	13:55:45	0.000	0.000	0.000
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279	11/28/2017	13:57:45	0.000	0.000	0.000
280	11/28/2017	13:58:45	0.000	0.000	0.000
281	11/28/2017	13:59:45	0.000	0.000	0.000
282	11/28/2017	14:00:45	0.000	0.000	0.000
283	11/28/2017	14:01:45	0.000	0.000	0.000
284	11/28/2017	14:02:45	0.000	0.000	0.000
285	11/28/2017	14:03:45	0.000	0.000	0.000
286	11/28/2017	14:04:45	0.000	0.000	0.000
287	11/28/2017	14:05:45	0.000	0.000	0.000
288	11/28/2017	14:06:45	0.000	0.000	0.000
289	11/28/2017	14:07:45	0.000	0.000	0.000
290	11/28/2017	14:08:45	0.000	0.000	0.000
291	11/28/2017	14:09:45	0.000	0.000	0.000

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292	11/28/2017	14:10:45	0.000	0.000	0.000
293	11/28/2017	14:11:45	0.000	0.000	0.000
294	11/28/2017	14:12:45	0.000	0.000	0.000
295	11/28/2017	14:13:45	0.000	0.000	0.000
296	11/28/2017	14:14:45	0.000	0.000	0.000
297	11/28/2017	14:15:45	0.000	0.000	0.000
298	11/28/2017	14:16:45	0.000	0.000	0.000
299	11/28/2017	14:17:45	0.000	0.000	0.000
300	11/28/2017	14:18:45	0.000	0.000	0.000
301	11/28/2017	14:19:45	0.000	0.000	0.000
302	11/28/2017	14:20:45	0.000	0.000	0.000
303	11/28/2017	14:21:45	0.000	0.000	0.000
304	11/28/2017	14:22:45	0.000	0.000	0.000
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307	11/28/2017	14:25:45	0.000	0.000	0.000
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309	11/28/2017	14:27:45	0.000	0.000	0.000
310	11/28/2017	14:28:45	0.000	0.000	0.000
311	11/28/2017	14:29:45	0.000	0.000	0.000
312	11/28/2017	14:30:45	0.000	0.000	0.000
313	11/28/2017	14:31:45	0.000	0.000	0.000
314	11/28/2017	14:32:45	0.000	0.000	0.000
315	11/28/2017	14:33:45	0.000	0.000	0.000
316	11/28/2017	14:34:45	0.000	0.000	0.000
317	11/28/2017	14:35:45	0.000	0.000	0.000
318	11/28/2017	14:36:45	0.000	0.000	0.000
319	11/28/2017	14:37:45	0.000	0.000	0.000
320	11/28/2017	14:38:45	0.000	0.000	0.000
321	11/28/2017	14:39:45	0.000	0.000	0.000
322	11/28/2017	14:40:45	0.000	0.000	0.000
323	11/28/2017	14:41:45	0.000	0.000	0.000
324	11/28/2017	14:42:45	0.000	0.000	0.000
325	11/28/2017	14:43:45	0.000	0.000	0.000
326	11/28/2017	14:44:45	0.000	0.000	0.000
327	11/28/2017	14:45:45	0.000	0.000	0.000
328	11/28/2017	14:46:45	0.000	0.000	0.000
329	11/28/2017	14:47:45	0.000	0.000	0.000
330	11/28/2017	14:48:45	0.000	0.000	0.000
331	11/28/2017	14:49:45	0.000	0.000	0.000
332	11/28/2017	14:50:45	0.000	0.000	0.000
333	11/28/2017	14:51:45	0.000	0.000	0.000
334	11/28/2017	14:52:45	0.000	0.000	0.000
335	11/28/2017	14:53:45	0.000	0.000	0.000
336	11/28/2017	14:54:45	0.000	0.000	0.000
337	11/28/2017	14:55:45	0.000	0.000	0.000
338	11/28/2017	14:56:45	0.000	0.000	0.000
339	11/28/2017	14:57:45	0.000	0.000	0.000

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340	11/28/2017	14:58:45	0.000	0.000	0.000
341	11/28/2017	14:59:45	0.000	0.000	0.000
342	11/28/2017	15:00:45	0.000	0.000	0.000
343	11/28/2017	15:01:45	0.000	0.000	0.000
344	11/28/2017	15:02:45	0.000	0.000	0.000
345	11/28/2017	15:03:45	0.000	0.000	0.000
346	11/28/2017	15:04:45	0.000	0.000	0.000
347	11/28/2017	15:05:45	0.000	0.000	0.000
348	11/28/2017	15:06:45	0.000	0.000	0.000
349	11/28/2017	15:07:45	0.000	0.000	0.000
350	11/28/2017	15:08:45	0.000	0.000	0.000
351	11/28/2017	15:09:45	0.000	0.000	0.000
352	11/28/2017	15:10:45	0.000	0.000	0.000
353	11/28/2017	15:11:45	0.000	0.000	0.000
354	11/28/2017	15:12:45	0.000	0.000	0.000
355	11/28/2017	15:13:45	0.000	0.000	0.000
356	11/28/2017	15:14:45	0.000	0.000	0.000
357	11/28/2017	15:15:45	0.000	0.000	0.000
358	11/28/2017	15:16:45	0.000	0.000	0.000
359	11/28/2017	15:17:45	0.000	0.000	0.000
360	11/28/2017	15:18:45	0.000	0.000	0.000
361	11/28/2017	15:19:45	0.000	0.000	0.000
362	11/28/2017	15:20:45	0.000	0.000	0.000
363	11/28/2017	15:21:45	0.000	0.000	0.000
364	11/28/2017	15:22:45	0.000	0.000	0.000
365	11/28/2017	15:23:45	0.000	0.000	0.000
366	11/28/2017	15:24:45	0.000	0.000	0.000
367	11/28/2017	15:25:45	0.000	0.000	0.000
368	11/28/2017	15:26:45	0.000	0.000	0.000
369	11/28/2017	15:27:45	0.000	0.000	0.000
370	11/28/2017	15:28:45	0.000	0.000	0.000
371	11/28/2017	15:29:45	0.000	0.000	0.000
372	11/28/2017	15:30:45	0.000	0.000	0.000
373	11/28/2017	15:31:45	0.000	0.000	0.000
374	11/28/2017	15:32:45	0.000	0.000	0.000
375	11/28/2017	15:33:45	0.000	0.000	0.000
376	11/28/2017	15:34:45	0.000	0.000	0.000
377	11/28/2017	15:35:45	0.000	0.000	0.000
378	11/28/2017	15:36:45	0.000	0.000	0.000
379	11/28/2017	15:37:45	0.000	0.000	0.000
380	11/28/2017	15:38:45	0.000	0.000	0.000
381	11/28/2017	15:39:45	0.000	0.000	0.000
382	11/28/2017	15:40:45	0.000	0.000	0.000
383	11/28/2017	15:41:45	0.000	0.000	0.000
384	11/28/2017	15:42:45	0.000	0.000	0.000
385	11/28/2017	15:43:45	0.000	0.000	0.000
386	11/28/2017	15:44:45	0.000	0.000	0.000
387	11/28/2017	15:45:45	0.000	0.000	0.000

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388	11/28/2017	15:46:45	0.000	0.000	0.000
389	11/28/2017	15:47:45	0.000	0.000	0.000
390	11/28/2017	15:48:45	0.000	0.000	0.000
391	11/28/2017	15:49:45	0.000	0.000	0.000
392	11/28/2017	15:50:45	0.000	0.000	0.000
393	11/28/2017	15:51:45	0.000	0.000	0.000
394	11/28/2017	15:52:45	0.000	0.000	0.000
395	11/28/2017	15:53:45	0.000	0.000	0.000
396	11/28/2017	15:54:45	0.000	0.000	0.000
397	11/28/2017	15:55:45	0.000	0.000	0.000
398	11/28/2017	15:56:45	0.000	0.000	0.000
399	11/28/2017	15:57:45	0.000	0.000	0.000
400	11/28/2017	15:58:45	0.000	0.000	0.000
401	11/28/2017	15:59:45	0.000	0.000	0.000
402	11/28/2017	16:00:45	0.000	0.000	0.000
403	11/28/2017	16:01:45	0.000	0.000	0.000
404	11/28/2017	16:02:45	0.000	0.000	0.000
405	11/28/2017	16:03:45	0.000	0.000	0.000
406	11/28/2017	16:04:45	0.000	0.000	0.000
407	11/28/2017	16:05:45	0.000	0.000	0.000
408	11/28/2017	16:06:45	0.000	0.000	0.000
409	11/28/2017	16:07:45	0.000	0.000	0.000
410	11/28/2017	16:08:45	0.000	0.000	0.000
411	11/28/2017	16:09:45	0.000	0.000	0.000
412	11/28/2017	16:10:45	0.000	0.000	0.000
413	11/28/2017	16:11:45	0.000	0.000	0.000
414	11/28/2017	16:12:45	0.000	0.000	0.000
415	11/28/2017	16:13:45	0.000	0.000	0.000
416	11/28/2017	16:14:45	0.000	0.000	0.000
417	11/28/2017	16:15:45	0.000	0.000	0.000
418	11/28/2017	16:16:45	0.000	0.000	0.000
419	11/28/2017	16:17:45	0.000	0.000	0.000
420	11/28/2017	16:18:45	0.000	0.000	0.000
421	11/28/2017	16:19:45	0.000	0.000	0.000
422	11/28/2017	16:20:45	0.000	0.000	0.000
423	11/28/2017	16:21:45	0.000	0.000	0.000
424	11/28/2017	16:22:45	0.000	0.000	0.000
425	11/28/2017	16:23:45	0.000	0.000	0.000
426	11/28/2017	16:24:45	0.000	0.000	0.000
427	11/28/2017	16:25:45	0.000	0.000	0.000
428	11/28/2017	16:26:45	0.000	0.000	0.000
429	11/28/2017	16:27:45	0.000	0.000	0.000
430	11/28/2017	16:28:45	0.000	0.000	0.000
431	11/28/2017	16:29:45	0.000	0.000	0.000
432	11/28/2017	16:30:45	0.000	0.000	0.000
433	11/28/2017	16:31:45	0.000	0.000	0.000
434	11/28/2017	16:32:45	0.000	0.000	0.000
435	11/28/2017	16:33:45	0.000	0.000	0.000

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436	11/28/2017	16:34:45	0.000	0.000	0.000
437	11/28/2017	16:35:45	0.000	0.000	0.000
438	11/28/2017	16:36:45	0.000	0.000	0.000
439	11/28/2017	16:37:45	0.000	0.000	0.000
440	11/28/2017	16:38:45	0.000	0.000	0.000
441	11/28/2017	16:39:45	0.000	0.000	0.000
442	11/28/2017	16:40:45	0.000	0.000	0.000
443	11/28/2017	16:41:45	0.000	0.000	0.000
444	11/28/2017	16:42:45	0.000	0.000	0.000
445	11/28/2017	16:43:45	0.000	0.000	0.000
446	11/28/2017	16:44:45	0.000	0.000	0.000
447	11/28/2017	16:45:45	0.000	0.000	0.000
448	11/28/2017	16:46:45	0.000	0.000	0.000
449	11/28/2017	16:47:45	0.000	0.000	0.000
450	11/28/2017	16:48:45	0.000	0.000	0.000
451	11/28/2017	16:49:45	0.000	0.000	0.000
452	11/28/2017	16:50:45	0.000	0.000	0.000
453	11/28/2017	16:51:45	0.000	0.000	0.000
454	11/28/2017	16:52:45	0.000	0.000	0.000
455	11/28/2017	16:53:45	0.000	0.000	0.000
456	11/28/2017	16:54:45	0.000	0.000	0.000
457	11/28/2017	16:55:45	0.000	0.000	0.000
458	11/28/2017	16:56:45	0.000	0.000	0.000
459	11/28/2017	16:57:45	0.000	0.000	0.000
460	11/28/2017	16:58:45	0.000	0.000	0.000
461	11/28/2017	16:59:45	0.000	0.000	0.000
462	11/28/2017	17:00:45	0.000	0.000	0.000
463	11/28/2017	17:01:45	0.000	0.000	0.000
464	11/28/2017	17:02:45	0.000	0.000	0.000
465	11/28/2017	17:03:45	0.000	0.000	0.000
466	11/28/2017	17:04:45	0.000	0.000	0.000
467	11/28/2017	17:05:45	0.000	0.000	0.000
468	11/28/2017	17:06:45	0.000	0.000	0.000
469	11/28/2017	17:07:45	0.000	0.000	0.000
470	11/28/2017	17:08:45	0.000	0.000	0.000
471	11/28/2017	17:09:45	0.000	0.000	0.000
472	11/28/2017	17:10:45	0.000	0.000	0.000
473	11/28/2017	17:11:45	0.000	0.000	0.000
474	11/28/2017	17:12:45	0.000	0.000	0.000
475	11/28/2017	17:13:45	0.000	0.000	0.000
476	11/28/2017	17:14:45	0.000	0.000	0.000
477	11/28/2017	17:15:45	0.000	0.000	0.000
478	11/28/2017	17:16:45	0.000	0.000	0.000
479	11/28/2017	17:17:45	0.000	0.000	0.000
480	11/28/2017	17:18:45	0.000	0.000	0.000
481	11/28/2017	17:19:45	0.000	0.000	0.000
482	11/28/2017	17:20:45	0.000	0.000	0.000
483	11/28/2017	17:21:45	0.000	0.000	0.000

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484	11/28/2017	17:22:45	0.000 0.000 0.000
485	11/28/2017	17:23:45	0.000 0.000 0.000
486	11/28/2017	17:24:45	0.000 0.000 0.000
487	11/28/2017	17:25:45	0.000 0.000 0.000
488	11/28/2017	17:26:45	0.000 0.000 0.000
489	11/28/2017	17:27:45	0.000 0.000 0.000
490	11/28/2017	17:28:45	0.000 0.000 0.000
491	11/28/2017	17:29:45	0.000 0.000 0.000
492	11/28/2017	17:30:45	0.000 0.000 0.000
493	11/28/2017	17:31:45	0.000 0.000 0.000
494	11/28/2017	17:32:45	0.000 0.000 0.000
495	11/28/2017	17:33:45	0.000 0.000 0.000
496	11/28/2017	17:34:45	0.000 0.000 0.000
497	11/28/2017	17:35:45	0.000 0.000 0.000
498	11/28/2017	17:36:45	0.000 0.000 0.000
499	11/28/2017	17:37:45	0.000 0.000 0.000
500	11/28/2017	17:38:45	0.000 0.000 0.000
501	11/28/2017	17:39:45	0.000 0.000 0.000
502	11/28/2017	17:40:45	0.000 0.000 0.000
Peak		0.000 0.000	0.000
Min		0.000 0.000	0.000
Average		0.000 0.000	0.000

=====

17/11/29 08:48

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID 00000001

Begin 11/29/2017 08:48:02

End 11/29/2017 16:49:56

Sample Period(s) 60

Number of Records 481

Sensor VOC(ppm)

Pine_24759_20180226

Span 100.000

Span 2 N/A

Low Alarm 50.000

High Alarm 100.000

Over Alarm 15000.000

STEL Alarm 25.000

TWA Alarm 10.000

Measurement Gas Isobutylene

Calibration Time 11/3/2017 08:06

Peak N/A

Min N/A

Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	11/29/2017 08:49:02	0.000	0.000	0.000	0.000
002	11/29/2017 08:50:02	0.000	0.000	0.000	0.000
003	11/29/2017 08:51:02	0.000	0.000	0.000	0.000
004	11/29/2017 08:52:02	0.000	0.000	0.000	0.000
005	11/29/2017 08:53:02	0.000	0.000	0.000	0.000
006	11/29/2017 08:54:02	0.000	0.000	0.000	0.000
007	11/29/2017 08:55:02	0.000	0.000	0.000	0.000
008	11/29/2017 08:56:02	0.000	0.000	0.000	0.000
009	11/29/2017 08:57:02	0.000	0.000	0.000	0.000
010	11/29/2017 08:58:02	0.000	0.000	0.000	0.000
011	11/29/2017 08:59:02	0.000	0.000	0.000	0.000
012	11/29/2017 09:00:02	0.000	0.000	0.000	0.000
013	11/29/2017 09:01:02	0.000	0.000	0.000	0.000
014	11/29/2017 09:02:02	0.000	0.000	0.000	0.000
015	11/29/2017 09:03:02	0.000	0.000	0.000	0.000
016	11/29/2017 09:04:02	0.000	0.000	0.000	0.000
017	11/29/2017 09:05:02	0.000	0.000	0.000	0.000
018	11/29/2017 09:06:02	0.000	0.000	0.000	0.000
019	11/29/2017 09:07:02	0.000	0.000	0.000	0.000
020	11/29/2017 09:08:02	0.000	0.000	0.000	0.000
021	11/29/2017 09:09:02	0.000	0.000	0.000	0.000
022	11/29/2017 09:10:02	0.000	0.000	0.000	0.000
023	11/29/2017 09:11:02	0.000	0.000	0.000	0.000
024	11/29/2017 09:12:02	0.000	0.000	0.000	0.000
025	11/29/2017 09:13:02	0.000	0.000	0.000	0.000
026	11/29/2017 09:14:02	0.000	0.000	0.000	0.000
027	11/29/2017 09:15:02	0.000	0.000	0.000	0.000
028	11/29/2017 09:16:02	0.000	0.000	0.000	0.000
029	11/29/2017 09:17:02	0.000	0.000	0.000	0.000
030	11/29/2017 09:18:02	0.000	0.000	0.000	0.000
031	11/29/2017 09:19:02	0.000	0.000	0.000	0.000

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

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080	11/29/2017	10:08:02	0.000	0.000	0.000
081	11/29/2017	10:09:02	0.000	0.000	0.000
082	11/29/2017	10:10:02	0.000	0.000	0.000
083	11/29/2017	10:11:02	0.000	0.000	0.000
084	11/29/2017	10:12:02	0.000	0.000	0.000
085	11/29/2017	10:13:02	0.000	0.000	0.000
086	11/29/2017	10:14:02	0.000	0.000	0.000
087	11/29/2017	10:15:02	0.000	0.000	0.000
088	11/29/2017	10:16:02	0.000	0.000	0.000
089	11/29/2017	10:17:02	0.000	0.000	0.000
090	11/29/2017	10:18:02	0.000	0.000	0.000
091	11/29/2017	10:19:02	0.000	0.000	0.000
092	11/29/2017	10:20:02	0.000	0.000	0.000
093	11/29/2017	10:21:02	0.000	0.000	0.000
094	11/29/2017	10:22:02	0.000	0.000	0.000
095	11/29/2017	10:23:02	0.000	0.000	0.000
096	11/29/2017	10:24:02	0.000	0.000	0.000
097	11/29/2017	10:25:02	0.000	0.000	0.000
098	11/29/2017	10:26:02	0.000	0.000	0.000
099	11/29/2017	10:27:02	0.000	0.000	0.000
100	11/29/2017	10:28:02	0.000	0.000	0.000
101	11/29/2017	10:29:02	0.000	0.000	0.000
102	11/29/2017	10:30:02	0.000	0.000	0.000
103	11/29/2017	10:31:02	0.000	0.000	0.000
104	11/29/2017	10:32:02	0.000	0.000	0.000
105	11/29/2017	10:33:02	0.000	0.000	0.000
106	11/29/2017	10:34:02	0.000	0.000	0.000
107	11/29/2017	10:35:02	0.000	0.000	0.000
108	11/29/2017	10:36:02	0.000	0.000	0.000
109	11/29/2017	10:37:02	0.000	0.000	0.000
110	11/29/2017	10:38:02	0.000	0.000	0.000
111	11/29/2017	10:39:02	0.000	0.000	0.000
112	11/29/2017	10:40:02	0.000	0.000	0.000
113	11/29/2017	10:41:02	0.000	0.000	0.000
114	11/29/2017	10:42:02	0.000	0.000	0.000
115	11/29/2017	10:43:02	0.000	0.000	0.000
116	11/29/2017	10:44:02	0.000	0.000	0.000
117	11/29/2017	10:45:02	0.000	0.000	0.000
118	11/29/2017	10:46:02	0.000	0.000	0.000
119	11/29/2017	10:47:02	0.000	0.000	0.000
120	11/29/2017	10:48:02	0.000	0.000	0.000
121	11/29/2017	10:49:02	0.000	0.000	0.000
122	11/29/2017	10:50:02	0.000	0.000	0.000
123	11/29/2017	10:51:02	0.000	0.000	0.000
124	11/29/2017	10:52:02	0.000	0.000	0.000
125	11/29/2017	10:53:02	0.000	0.000	0.000
126	11/29/2017	10:54:02	0.000	0.000	0.000
127	11/29/2017	10:55:02	0.000	0.000	0.000

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128	11/29/2017	10:56:02	0.000	0.000	0.000
129	11/29/2017	10:57:02	0.000	0.000	0.000
130	11/29/2017	10:58:02	0.000	0.000	0.000
131	11/29/2017	10:59:02	0.000	0.000	0.000
132	11/29/2017	11:00:02	0.000	0.000	0.000
133	11/29/2017	11:01:02	0.000	0.000	0.000
134	11/29/2017	11:02:02	0.000	0.000	0.000
135	11/29/2017	11:03:02	0.000	0.000	0.000
136	11/29/2017	11:04:02	0.000	0.000	0.000
137	11/29/2017	11:05:02	0.000	0.000	0.000
138	11/29/2017	11:06:02	0.000	0.000	0.000
139	11/29/2017	11:07:02	0.000	0.000	0.000
140	11/29/2017	11:08:02	0.000	0.000	0.000
141	11/29/2017	11:09:02	0.000	0.000	0.000
142	11/29/2017	11:10:02	0.000	0.000	0.000
143	11/29/2017	11:11:02	0.000	0.000	0.000
144	11/29/2017	11:12:02	0.000	0.000	0.000
145	11/29/2017	11:13:02	0.000	0.000	0.000
146	11/29/2017	11:14:02	0.000	0.000	0.000
147	11/29/2017	11:15:02	0.000	0.000	0.000
148	11/29/2017	11:16:02	0.000	0.000	0.000
149	11/29/2017	11:17:02	0.000	0.000	0.000
150	11/29/2017	11:18:02	0.000	0.000	0.000
151	11/29/2017	11:19:02	0.000	0.000	0.000
152	11/29/2017	11:20:02	0.000	0.000	0.000
153	11/29/2017	11:21:02	0.000	0.000	0.000
154	11/29/2017	11:22:02	0.000	0.000	0.000
155	11/29/2017	11:23:02	0.000	0.000	0.000
156	11/29/2017	11:24:02	0.000	0.000	0.000
157	11/29/2017	11:25:02	0.000	0.000	0.000
158	11/29/2017	11:26:02	0.000	0.000	0.000
159	11/29/2017	11:27:02	0.000	0.000	0.000
160	11/29/2017	11:28:02	0.000	0.000	0.000
161	11/29/2017	11:29:02	0.000	0.000	0.000
162	11/29/2017	11:30:02	0.000	0.000	0.000
163	11/29/2017	11:31:02	0.000	0.000	0.000
164	11/29/2017	11:32:02	0.000	0.000	0.000
165	11/29/2017	11:33:02	0.000	0.000	0.000
166	11/29/2017	11:34:02	0.000	0.000	0.000
167	11/29/2017	11:35:02	0.000	0.000	0.000
168	11/29/2017	11:36:02	0.000	0.000	0.000
169	11/29/2017	11:37:02	0.000	0.000	0.000
170	11/29/2017	11:38:02	0.000	0.000	0.000
171	11/29/2017	11:39:02	0.000	0.000	0.000
172	11/29/2017	11:40:02	0.000	0.000	0.000
173	11/29/2017	11:41:02	0.000	0.000	0.000
174	11/29/2017	11:42:02	0.000	0.000	0.000
175	11/29/2017	11:43:02	0.000	0.000	0.000

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176	11/29/2017	11:44:02	0.000	0.000	0.000
177	11/29/2017	11:45:02	0.000	0.000	0.000
178	11/29/2017	11:46:02	0.000	0.000	0.000
179	11/29/2017	11:47:02	0.000	0.000	0.000
180	11/29/2017	11:48:02	0.000	0.000	0.000
181	11/29/2017	11:49:02	0.000	0.000	0.000
182	11/29/2017	11:50:02	0.000	0.000	0.000
183	11/29/2017	11:51:02	0.000	0.000	0.000
184	11/29/2017	11:52:02	0.000	0.000	0.000
185	11/29/2017	11:53:02	0.000	0.000	0.000
186	11/29/2017	11:54:02	0.000	0.000	0.000
187	11/29/2017	11:55:02	0.000	0.000	0.000
188	11/29/2017	11:56:02	0.000	0.000	0.000
189	11/29/2017	11:57:02	0.000	0.000	0.000
190	11/29/2017	11:58:02	0.000	0.000	0.000
191	11/29/2017	11:59:02	0.000	0.000	0.000
192	11/29/2017	12:00:02	0.000	0.000	0.000
193	11/29/2017	12:01:02	0.000	0.000	0.000
194	11/29/2017	12:02:02	0.000	0.000	0.000
195	11/29/2017	12:03:02	0.000	0.000	0.000
196	11/29/2017	12:04:02	0.000	0.000	0.000
197	11/29/2017	12:05:02	0.000	0.000	0.000
198	11/29/2017	12:06:02	0.000	0.000	0.000
199	11/29/2017	12:07:02	0.000	0.000	0.000
200	11/29/2017	12:08:02	0.000	0.000	0.000
201	11/29/2017	12:09:02	0.000	0.000	0.000
202	11/29/2017	12:10:02	0.000	0.000	0.000
203	11/29/2017	12:11:02	0.000	0.000	0.000
204	11/29/2017	12:12:02	0.000	0.000	0.000
205	11/29/2017	12:13:02	0.000	0.000	0.000
206	11/29/2017	12:14:02	0.000	0.000	0.000
207	11/29/2017	12:15:02	0.000	0.000	0.000
208	11/29/2017	12:16:02	0.000	0.000	0.000
209	11/29/2017	12:17:02	0.000	0.000	0.000
210	11/29/2017	12:18:02	0.000	0.000	0.000
211	11/29/2017	12:19:02	0.000	0.000	0.000
212	11/29/2017	12:20:02	0.000	0.000	0.000
213	11/29/2017	12:21:02	0.000	0.000	0.000
214	11/29/2017	12:22:02	0.000	0.000	0.000
215	11/29/2017	12:23:02	0.000	0.000	0.000
216	11/29/2017	12:24:02	0.000	0.000	0.000
217	11/29/2017	12:25:02	0.000	0.000	0.000
218	11/29/2017	12:26:02	0.000	0.000	0.000
219	11/29/2017	12:27:02	0.000	0.000	0.000
220	11/29/2017	12:28:02	0.000	0.000	0.000
221	11/29/2017	12:29:02	0.000	0.000	0.000
222	11/29/2017	12:30:02	0.000	0.000	0.000
223	11/29/2017	12:31:02	0.000	0.000	0.000

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224	11/29/2017	12:32:02	0.000	0.000	0.000
225	11/29/2017	12:33:02	0.000	0.000	0.000
226	11/29/2017	12:34:02	0.000	0.000	0.000
227	11/29/2017	12:35:02	0.000	0.000	0.000
228	11/29/2017	12:36:02	0.000	0.000	0.000
229	11/29/2017	12:37:02	0.000	0.000	0.000
230	11/29/2017	12:38:02	0.000	0.000	0.000
231	11/29/2017	12:39:02	0.000	0.000	0.000
232	11/29/2017	12:40:02	0.000	0.000	0.000
233	11/29/2017	12:41:02	0.000	0.000	0.000
234	11/29/2017	12:42:02	0.000	0.000	0.000
235	11/29/2017	12:43:02	0.000	0.000	0.000
236	11/29/2017	12:44:02	0.000	0.000	0.000
237	11/29/2017	12:45:02	0.000	0.000	0.000
238	11/29/2017	12:46:02	0.000	0.000	0.000
239	11/29/2017	12:47:02	0.000	0.000	0.000
240	11/29/2017	12:48:02	0.000	0.000	0.000
241	11/29/2017	12:49:02	0.000	0.000	0.000
242	11/29/2017	12:50:02	0.000	0.000	0.000
243	11/29/2017	12:51:02	0.000	0.000	0.000
244	11/29/2017	12:52:02	0.000	0.000	0.000
245	11/29/2017	12:53:02	0.000	0.000	0.000
246	11/29/2017	12:54:02	0.000	0.000	0.000
247	11/29/2017	12:55:02	0.000	0.000	0.000
248	11/29/2017	12:56:02	0.000	0.000	0.000
249	11/29/2017	12:57:02	0.000	0.000	0.000
250	11/29/2017	12:58:02	0.000	0.000	0.000
251	11/29/2017	12:59:02	0.000	0.000	0.000
252	11/29/2017	13:00:02	0.000	0.000	0.000
253	11/29/2017	13:01:02	0.000	0.000	0.000
254	11/29/2017	13:02:02	0.000	0.000	0.000
255	11/29/2017	13:03:02	0.000	0.000	0.000
256	11/29/2017	13:04:02	0.000	0.000	0.000
257	11/29/2017	13:05:02	0.000	0.000	0.000
258	11/29/2017	13:06:02	0.000	0.000	0.000
259	11/29/2017	13:07:02	0.000	0.000	0.000
260	11/29/2017	13:08:02	0.000	0.000	0.000
261	11/29/2017	13:09:02	0.000	0.000	0.000
262	11/29/2017	13:10:02	0.000	0.000	0.000
263	11/29/2017	13:11:02	0.000	0.000	0.000
264	11/29/2017	13:12:02	0.000	0.000	0.000
265	11/29/2017	13:13:02	0.000	0.000	0.000
266	11/29/2017	13:14:02	0.000	0.000	0.000
267	11/29/2017	13:15:02	0.000	0.000	0.000
268	11/29/2017	13:16:02	0.000	0.000	0.000
269	11/29/2017	13:17:02	0.000	0.000	0.000
270	11/29/2017	13:18:02	0.000	0.000	0.000
271	11/29/2017	13:19:02	0.000	0.000	0.000

			Pine_24759_20180226		
272	11/29/2017	13:20:02	0.000	0.000	0.000
273	11/29/2017	13:21:02	0.000	0.000	0.000
274	11/29/2017	13:22:02	0.000	0.000	0.000
275	11/29/2017	13:23:02	0.000	0.000	0.000
276	11/29/2017	13:24:02	0.000	0.000	0.000
277	11/29/2017	13:25:02	0.000	0.000	0.000
278	11/29/2017	13:26:02	0.000	0.000	0.000
279	11/29/2017	13:27:02	0.000	0.000	0.000
280	11/29/2017	13:28:02	0.000	0.000	0.000
281	11/29/2017	13:29:02	0.000	0.000	0.000
282	11/29/2017	13:30:02	0.000	0.000	0.000
283	11/29/2017	13:31:02	0.000	0.000	0.000
284	11/29/2017	13:32:02	0.000	0.000	0.000
285	11/29/2017	13:33:02	0.000	0.000	0.000
286	11/29/2017	13:34:02	0.000	0.000	0.000
287	11/29/2017	13:35:02	0.000	0.000	0.000
288	11/29/2017	13:36:02	0.000	0.000	0.000
289	11/29/2017	13:37:02	0.000	0.000	0.000
290	11/29/2017	13:38:02	0.000	0.000	0.000
291	11/29/2017	13:39:02	0.000	0.000	0.000
292	11/29/2017	13:40:02	0.000	0.000	0.000
293	11/29/2017	13:41:02	0.000	0.000	0.000
294	11/29/2017	13:42:02	0.000	0.000	0.000
295	11/29/2017	13:43:02	0.000	0.000	0.000
296	11/29/2017	13:44:02	0.000	0.000	0.000
297	11/29/2017	13:45:02	0.000	0.000	0.000
298	11/29/2017	13:46:02	0.000	0.000	0.000
299	11/29/2017	13:47:02	0.000	0.000	0.000
300	11/29/2017	13:48:02	0.000	0.000	0.000
301	11/29/2017	13:49:02	0.000	0.000	0.000
302	11/29/2017	13:50:02	0.000	0.000	0.000
303	11/29/2017	13:51:02	0.000	0.000	0.000
304	11/29/2017	13:52:02	0.000	0.000	0.000
305	11/29/2017	13:53:02	0.000	0.000	0.000
306	11/29/2017	13:54:02	0.000	0.000	0.000
307	11/29/2017	13:55:02	0.000	0.000	0.000
308	11/29/2017	13:56:02	0.000	0.000	0.000
309	11/29/2017	13:57:02	0.000	0.000	0.000
310	11/29/2017	13:58:02	0.000	0.000	0.000
311	11/29/2017	13:59:02	0.000	0.000	0.000
312	11/29/2017	14:00:02	0.000	0.000	0.000
313	11/29/2017	14:01:02	0.000	0.011	0.176
314	11/29/2017	14:02:02	0.000	0.000	0.000
315	11/29/2017	14:03:02	0.000	0.000	0.000
316	11/29/2017	14:04:02	0.000	0.000	0.000
317	11/29/2017	14:05:02	0.000	0.000	0.000
318	11/29/2017	14:06:02	0.000	0.000	0.000
319	11/29/2017	14:07:02	0.000	0.000	0.000

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320	11/29/2017	14:08:02	0.000	0.000	0.000
321	11/29/2017	14:09:02	0.000	0.000	0.000
322	11/29/2017	14:10:02	0.000	0.000	0.000
323	11/29/2017	14:11:02	0.000	0.000	0.000
324	11/29/2017	14:12:02	0.000	0.000	0.000
325	11/29/2017	14:13:02	0.000	0.000	0.000
326	11/29/2017	14:14:02	0.000	0.000	0.000
327	11/29/2017	14:15:02	0.000	0.000	0.000
328	11/29/2017	14:16:02	0.000	0.000	0.000
329	11/29/2017	14:17:02	0.000	0.000	0.000
330	11/29/2017	14:18:02	0.000	0.000	0.000
331	11/29/2017	14:19:02	0.000	0.000	0.000
332	11/29/2017	14:20:02	0.000	0.000	0.000
333	11/29/2017	14:21:02	0.000	0.000	0.000
334	11/29/2017	14:22:02	0.000	0.000	0.000
335	11/29/2017	14:23:02	0.000	0.000	0.000
336	11/29/2017	14:24:02	0.000	0.000	0.000
337	11/29/2017	14:25:02	0.000	0.000	0.000
338	11/29/2017	14:26:02	0.000	0.000	0.000
339	11/29/2017	14:27:02	0.000	0.000	0.000
340	11/29/2017	14:28:02	0.000	0.000	0.000
341	11/29/2017	14:29:02	0.000	0.000	0.000
342	11/29/2017	14:30:02	0.000	0.000	0.000
343	11/29/2017	14:31:02	0.000	0.000	0.000
344	11/29/2017	14:32:02	0.000	0.000	0.000
345	11/29/2017	14:33:02	0.000	0.000	0.000
346	11/29/2017	14:34:02	0.000	0.000	0.000
347	11/29/2017	14:35:02	0.000	0.000	0.000
348	11/29/2017	14:36:02	0.000	0.000	0.000
349	11/29/2017	14:37:02	0.000	0.000	0.000
350	11/29/2017	14:38:02	0.000	0.000	0.000
351	11/29/2017	14:39:02	0.000	0.000	0.000
352	11/29/2017	14:40:02	0.000	0.000	0.000
353	11/29/2017	14:41:02	0.000	0.000	0.000
354	11/29/2017	14:42:02	0.000	0.000	0.000
355	11/29/2017	14:43:02	0.000	0.000	0.000
356	11/29/2017	14:44:02	0.000	0.000	0.000
357	11/29/2017	14:45:02	0.000	0.000	0.000
358	11/29/2017	14:46:02	0.000	0.000	0.000
359	11/29/2017	14:47:02	0.000	0.000	0.000
360	11/29/2017	14:48:02	0.000	0.000	0.000
361	11/29/2017	14:49:02	0.000	0.000	0.000
362	11/29/2017	14:50:02	0.000	0.000	0.000
363	11/29/2017	14:51:02	0.000	0.000	0.000
364	11/29/2017	14:52:02	0.000	0.000	0.000
365	11/29/2017	14:53:02	0.000	0.000	0.000
366	11/29/2017	14:54:02	0.000	0.000	0.000
367	11/29/2017	14:55:02	0.000	0.000	0.000

			Pine_24759_20180226		
368	11/29/2017	14:56:02	0.000	0.000	0.000
369	11/29/2017	14:57:02	0.000	0.000	0.000
370	11/29/2017	14:58:02	0.000	0.000	0.000
371	11/29/2017	14:59:02	0.000	0.000	0.000
372	11/29/2017	15:00:02	0.000	0.000	0.000
373	11/29/2017	15:01:02	0.000	0.000	0.000
374	11/29/2017	15:02:02	0.000	0.000	0.000
375	11/29/2017	15:03:02	0.000	0.000	0.000
376	11/29/2017	15:04:02	0.000	0.000	0.000
377	11/29/2017	15:05:02	0.000	0.000	0.000
378	11/29/2017	15:06:02	0.000	0.000	0.000
379	11/29/2017	15:07:02	0.000	0.000	0.000
380	11/29/2017	15:08:02	0.000	0.000	0.000
381	11/29/2017	15:09:02	0.000	0.000	0.000
382	11/29/2017	15:10:02	0.000	0.000	0.011
383	11/29/2017	15:11:02	0.000	0.000	0.000
384	11/29/2017	15:12:02	0.000	0.000	0.000
385	11/29/2017	15:13:02	0.000	0.000	0.000
386	11/29/2017	15:14:02	0.000	0.000	0.000
387	11/29/2017	15:15:02	0.000	0.000	0.000
388	11/29/2017	15:16:02	0.000	0.000	0.000
389	11/29/2017	15:17:02	0.000	0.000	0.000
390	11/29/2017	15:18:02	0.000	0.000	0.000
391	11/29/2017	15:19:02	0.000	0.000	0.000
392	11/29/2017	15:20:02	0.000	0.000	0.000
393	11/29/2017	15:21:02	0.000	0.000	0.000
394	11/29/2017	15:22:02	0.000	0.000	0.000
395	11/29/2017	15:23:02	0.000	0.000	0.000
396	11/29/2017	15:24:02	0.000	0.000	0.000
397	11/29/2017	15:25:02	0.000	0.000	0.000
398	11/29/2017	15:26:02	0.000	0.000	0.000
399	11/29/2017	15:27:02	0.000	0.000	0.000
400	11/29/2017	15:28:02	0.000	0.000	0.000
401	11/29/2017	15:29:02	0.000	0.000	0.000
402	11/29/2017	15:30:02	0.000	0.000	0.000
403	11/29/2017	15:31:02	0.000	0.000	0.000
404	11/29/2017	15:32:02	0.000	0.005	0.052
405	11/29/2017	15:33:02	0.000	0.000	0.000
406	11/29/2017	15:34:02	0.000	0.000	0.000
407	11/29/2017	15:35:02	0.000	0.000	0.000
408	11/29/2017	15:36:02	0.000	0.000	0.000
409	11/29/2017	15:37:02	0.000	0.000	0.000
410	11/29/2017	15:38:02	0.000	0.000	0.000
411	11/29/2017	15:39:02	0.000	0.000	0.000
412	11/29/2017	15:40:02	0.000	0.000	0.000
413	11/29/2017	15:41:02	0.000	0.000	0.000
414	11/29/2017	15:42:02	0.000	0.000	0.000
415	11/29/2017	15:43:02	0.000	0.000	0.000

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416	11/29/2017	15:44:02	0.000	0.000	0.000
417	11/29/2017	15:45:02	0.000	0.000	0.000
418	11/29/2017	15:46:02	0.000	0.000	0.000
419	11/29/2017	15:47:02	0.000	0.000	0.000
420	11/29/2017	15:48:02	0.000	0.000	0.000
421	11/29/2017	15:49:02	0.000	0.000	0.000
422	11/29/2017	15:50:02	0.000	0.000	0.000
423	11/29/2017	15:51:02	0.000	0.000	0.000
424	11/29/2017	15:52:02	0.000	0.000	0.000
425	11/29/2017	15:53:02	0.000	0.000	0.000
426	11/29/2017	15:54:02	0.000	0.000	0.000
427	11/29/2017	15:55:02	0.000	0.000	0.000
428	11/29/2017	15:56:02	0.000	0.000	0.000
429	11/29/2017	15:57:02	0.000	0.000	0.000
430	11/29/2017	15:58:02	0.000	0.000	0.000
431	11/29/2017	15:59:02	0.000	0.000	0.000
432	11/29/2017	16:00:02	0.000	0.000	0.000
433	11/29/2017	16:01:02	0.000	0.000	0.000
434	11/29/2017	16:02:02	0.000	0.000	0.000
435	11/29/2017	16:03:02	0.000	0.000	0.000
436	11/29/2017	16:04:02	0.000	0.000	0.000
437	11/29/2017	16:05:02	0.000	0.000	0.000
438	11/29/2017	16:06:02	0.000	0.000	0.000
439	11/29/2017	16:07:02	0.000	0.000	0.000
440	11/29/2017	16:08:02	0.000	0.000	0.000
441	11/29/2017	16:09:02	0.000	0.000	0.000
442	11/29/2017	16:10:02	0.000	0.000	0.000
443	11/29/2017	16:11:02	0.000	0.000	0.000
444	11/29/2017	16:12:02	0.000	0.000	0.000
445	11/29/2017	16:13:02	0.000	0.000	0.000
446	11/29/2017	16:14:02	0.000	0.000	0.000
447	11/29/2017	16:15:02	0.000	0.000	0.000
448	11/29/2017	16:16:02	0.000	0.000	0.000
449	11/29/2017	16:17:02	0.000	0.000	0.000
450	11/29/2017	16:18:02	0.000	0.000	0.000
451	11/29/2017	16:19:02	0.000	0.000	0.000
452	11/29/2017	16:20:02	0.000	0.000	0.000
453	11/29/2017	16:21:02	0.000	0.000	0.000
454	11/29/2017	16:22:02	0.000	0.000	0.000
455	11/29/2017	16:23:02	0.000	0.000	0.000
456	11/29/2017	16:24:02	0.000	0.000	0.000
457	11/29/2017	16:25:02	0.000	0.000	0.000
458	11/29/2017	16:26:02	0.000	0.000	0.000
459	11/29/2017	16:27:02	0.000	0.000	0.000
460	11/29/2017	16:28:02	0.000	0.000	0.000
461	11/29/2017	16:29:02	0.000	0.000	0.000
462	11/29/2017	16:30:02	0.000	0.000	0.000
463	11/29/2017	16:31:02	0.000	0.000	0.002

			Pine_24759_20180226		
464	11/29/2017	16:32:02	0.000	0.002	0.006
465	11/29/2017	16:33:02	0.000	0.005	0.014
466	11/29/2017	16:34:02	0.004	0.008	0.013
467	11/29/2017	16:35:02	0.008	0.017	0.027
468	11/29/2017	16:36:02	0.015	0.019	0.023
469	11/29/2017	16:37:02	0.010	0.015	0.023
470	11/29/2017	16:38:02	0.018	0.020	0.024
471	11/29/2017	16:39:02	0.021	0.025	0.029
472	11/29/2017	16:40:02	0.026	0.027	0.030
473	11/29/2017	16:41:02	0.026	0.029	0.033
474	11/29/2017	16:42:02	0.018	0.024	0.032
475	11/29/2017	16:43:02	0.021	0.024	0.026
476	11/29/2017	16:44:02	0.023	0.024	0.027
477	11/29/2017	16:45:02	0.023	0.025	0.029
478	11/29/2017	16:46:02	0.022	0.026	0.031
479	11/29/2017	16:47:02	0.025	0.028	0.030
480	11/29/2017	16:48:02	0.028	0.031	0.035
481	11/29/2017	16:49:02	0.032	0.036	0.045
Peak			0.032	0.036	0.176
Min			0.000	0.000	0.000
Average			0.001	0.001	0.001

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17/11/30 09:14

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-911219
Unit Firmware Ver	V1.20

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

Site ID	RAE00000
User ID	00000001

Begin	11/30/2017 09:14:49
End	11/30/2017 16:50:19
Sample Period(s)	60
Number of Records	455

Sensor	VOC(ppm)
Span	100.000

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Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	11/30/2017 09:15:49	0.000	0.007	0.034	
002	11/30/2017 09:16:49	0.000	0.000	0.000	
003	11/30/2017 09:17:49	0.000	0.000	0.000	
004	11/30/2017 09:18:49	0.000	0.000	0.000	
005	11/30/2017 09:19:49	0.000	0.000	0.000	
006	11/30/2017 09:20:49	0.000	0.000	0.000	
007	11/30/2017 09:21:49	0.000	0.000	0.000	
008	11/30/2017 09:22:49	0.000	0.000	0.000	
009	11/30/2017 09:23:49	0.000	0.000	0.000	
010	11/30/2017 09:24:49	0.000	0.000	0.000	
011	11/30/2017 09:25:49	0.000	0.000	0.000	
012	11/30/2017 09:26:49	0.000	0.000	0.000	
013	11/30/2017 09:27:49	0.000	0.000	0.000	
014	11/30/2017 09:28:49	0.000	0.000	0.000	
015	11/30/2017 09:29:49	0.000	0.000	0.000	
016	11/30/2017 09:30:49	0.000	0.000	0.000	
017	11/30/2017 09:31:49	0.000	0.000	0.000	
018	11/30/2017 09:32:49	0.000	0.000	0.000	
019	11/30/2017 09:33:49	0.000	0.000	0.000	
020	11/30/2017 09:34:49	0.000	0.000	0.000	
021	11/30/2017 09:35:49	0.000	0.000	0.000	
022	11/30/2017 09:36:49	0.000	0.000	0.000	
023	11/30/2017 09:37:49	0.000	0.000	0.000	
024	11/30/2017 09:38:49	0.000	0.000	0.000	
025	11/30/2017 09:39:49	0.000	0.000	0.000	
026	11/30/2017 09:40:49	0.000	0.000	0.000	
027	11/30/2017 09:41:49	0.000	0.000	0.000	
028	11/30/2017 09:42:49	0.000	0.000	0.000	
029	11/30/2017 09:43:49	0.000	0.000	0.000	
030	11/30/2017 09:44:49	0.000	0.000	0.000	
031	11/30/2017 09:45:49	0.000	0.000	0.000	
032	11/30/2017 09:46:49	0.000	0.000	0.000	

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033	11/30/2017 09:47:49	0.000	0.000	0.000
034	11/30/2017 09:48:49	0.000	0.000	0.000
035	11/30/2017 09:49:49	0.000	0.000	0.000
036	11/30/2017 09:50:49	0.000	0.000	0.000
037	11/30/2017 09:51:49	0.000	0.000	0.000
038	11/30/2017 09:52:49	0.000	0.000	0.000
039	11/30/2017 09:53:49	0.000	0.000	0.000
040	11/30/2017 09:54:49	0.000	0.000	0.000
041	11/30/2017 09:55:49	0.000	0.000	0.000
042	11/30/2017 09:56:49	0.000	0.000	0.000
043	11/30/2017 09:57:49	0.000	0.000	0.000
044	11/30/2017 09:58:49	0.000	0.000	0.000
045	11/30/2017 09:59:49	0.000	0.000	0.000
046	11/30/2017 10:00:49	0.000	0.000	0.000
047	11/30/2017 10:01:49	0.000	0.000	0.000
048	11/30/2017 10:02:49	0.000	0.000	0.000
049	11/30/2017 10:03:49	0.000	0.000	0.000
050	11/30/2017 10:04:49	0.000	0.000	0.000
051	11/30/2017 10:05:49	0.000	0.000	0.000
052	11/30/2017 10:06:49	0.000	0.000	0.000
053	11/30/2017 10:07:49	0.000	0.000	0.000
054	11/30/2017 10:08:49	0.000	0.000	0.000
055	11/30/2017 10:09:49	0.000	0.000	0.000
056	11/30/2017 10:10:49	0.000	0.000	0.000
057	11/30/2017 10:11:49	0.000	0.000	0.000
058	11/30/2017 10:12:49	0.000	0.000	0.000
059	11/30/2017 10:13:49	0.000	0.000	0.000
060	11/30/2017 10:14:49	0.000	0.000	0.000
061	11/30/2017 10:15:49	0.000	0.000	0.000
062	11/30/2017 10:16:49	0.000	0.000	0.000
063	11/30/2017 10:17:49	0.000	0.000	0.000
064	11/30/2017 10:18:49	0.000	0.000	0.000
065	11/30/2017 10:19:49	0.000	0.000	0.000
066	11/30/2017 10:20:49	0.000	0.000	0.000
067	11/30/2017 10:21:49	0.000	0.000	0.000
068	11/30/2017 10:22:49	0.000	0.000	0.000
069	11/30/2017 10:23:49	0.000	0.000	0.000
070	11/30/2017 10:24:49	0.000	0.000	0.000
071	11/30/2017 10:25:49	0.000	0.000	0.000
072	11/30/2017 10:26:49	0.000	0.000	0.000
073	11/30/2017 10:27:49	0.000	0.000	0.000
074	11/30/2017 10:28:49	0.000	0.000	0.000
075	11/30/2017 10:29:49	0.000	0.000	0.000
076	11/30/2017 10:30:49	0.000	0.000	0.000
077	11/30/2017 10:31:49	0.000	0.000	0.000
078	11/30/2017 10:32:49	0.000	0.000	0.000
079	11/30/2017 10:33:49	0.000	0.000	0.000
080	11/30/2017 10:34:49	0.000	0.000	0.000

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081	11/30/2017	10:35:49	0.000	0.000	0.000
082	11/30/2017	10:36:49	0.000	0.000	0.000
083	11/30/2017	10:37:49	0.000	0.000	0.000
084	11/30/2017	10:38:49	0.000	0.000	0.000
085	11/30/2017	10:39:49	0.000	0.000	0.000
086	11/30/2017	10:40:49	0.000	0.000	0.000
087	11/30/2017	10:41:49	0.000	0.000	0.000
088	11/30/2017	10:42:49	0.000	0.000	0.000
089	11/30/2017	10:43:49	0.000	0.000	0.000
090	11/30/2017	10:44:49	0.000	0.000	0.000
091	11/30/2017	10:45:49	0.000	0.000	0.000
092	11/30/2017	10:46:49	0.000	0.000	0.000
093	11/30/2017	10:47:49	0.000	0.000	0.000
094	11/30/2017	10:48:49	0.000	0.000	0.000
095	11/30/2017	10:49:49	0.000	0.000	0.000
096	11/30/2017	10:50:49	0.000	0.000	0.000
097	11/30/2017	10:51:49	0.000	0.000	0.000
098	11/30/2017	10:52:49	0.000	0.000	0.000
099	11/30/2017	10:53:49	0.000	0.000	0.000
100	11/30/2017	10:54:49	0.000	0.000	0.000
101	11/30/2017	10:55:49	0.000	0.000	0.000
102	11/30/2017	10:56:49	0.000	0.000	0.000
103	11/30/2017	10:57:49	0.000	0.000	0.000
104	11/30/2017	10:58:49	0.000	0.000	0.000
105	11/30/2017	10:59:49	0.000	0.000	0.000
106	11/30/2017	11:00:49	0.000	0.000	0.000
107	11/30/2017	11:01:49	0.000	0.000	0.000
108	11/30/2017	11:02:49	0.000	0.000	0.000
109	11/30/2017	11:03:49	0.000	0.000	0.000
110	11/30/2017	11:04:49	0.000	0.000	0.000
111	11/30/2017	11:05:49	0.000	0.000	0.000
112	11/30/2017	11:06:49	0.000	0.000	0.000
113	11/30/2017	11:07:49	0.000	0.000	0.000
114	11/30/2017	11:08:49	0.000	0.000	0.000
115	11/30/2017	11:09:49	0.000	0.000	0.000
116	11/30/2017	11:10:49	0.000	0.000	0.000
117	11/30/2017	11:11:49	0.000	0.000	0.000
118	11/30/2017	11:12:49	0.000	0.000	0.000
119	11/30/2017	11:13:49	0.000	0.000	0.000
120	11/30/2017	11:14:49	0.000	0.000	0.000
121	11/30/2017	11:15:49	0.000	0.000	0.000
122	11/30/2017	11:16:49	0.000	0.000	0.000
123	11/30/2017	11:17:49	0.000	0.000	0.000
124	11/30/2017	11:18:49	0.000	0.000	0.000
125	11/30/2017	11:19:49	0.000	0.000	0.000
126	11/30/2017	11:20:49	0.000	0.000	0.000
127	11/30/2017	11:21:49	0.000	0.000	0.000
128	11/30/2017	11:22:49	0.000	0.000	0.000

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129	11/30/2017	11:23:49	0.000	0.000	0.000
130	11/30/2017	11:24:49	0.000	0.000	0.000
131	11/30/2017	11:25:49	0.000	0.000	0.000
132	11/30/2017	11:26:49	0.000	0.000	0.000
133	11/30/2017	11:27:49	0.000	0.000	0.000
134	11/30/2017	11:28:49	0.000	0.000	0.000
135	11/30/2017	11:29:49	0.000	0.000	0.000
136	11/30/2017	11:30:49	0.000	0.000	0.000
137	11/30/2017	11:31:49	0.000	0.000	0.000
138	11/30/2017	11:32:49	0.000	0.000	0.000
139	11/30/2017	11:33:49	0.000	0.000	0.000
140	11/30/2017	11:34:49	0.000	0.000	0.000
141	11/30/2017	11:35:49	0.000	0.000	0.000
142	11/30/2017	11:36:49	0.000	0.000	0.000
143	11/30/2017	11:37:49	0.000	0.000	0.000
144	11/30/2017	11:38:49	0.000	0.000	0.000
145	11/30/2017	11:39:49	0.000	0.000	0.000
146	11/30/2017	11:40:49	0.000	0.000	0.000
147	11/30/2017	11:41:49	0.000	0.000	0.000
148	11/30/2017	11:42:49	0.000	0.000	0.000
149	11/30/2017	11:43:49	0.000	0.000	0.000
150	11/30/2017	11:44:49	0.000	0.000	0.000
151	11/30/2017	11:45:49	0.000	0.000	0.000
152	11/30/2017	11:46:49	0.000	0.000	0.000
153	11/30/2017	11:47:49	0.000	0.000	0.000
154	11/30/2017	11:48:49	0.000	0.000	0.000
155	11/30/2017	11:49:49	0.000	0.000	0.000
156	11/30/2017	11:50:49	0.000	0.000	0.000
157	11/30/2017	11:51:49	0.000	0.000	0.000
158	11/30/2017	11:52:49	0.000	0.000	0.000
159	11/30/2017	11:53:49	0.000	0.000	0.000
160	11/30/2017	11:54:49	0.000	0.000	0.000
161	11/30/2017	11:55:49	0.000	0.000	0.000
162	11/30/2017	11:56:49	0.000	0.000	0.000
163	11/30/2017	11:57:49	0.000	0.000	0.000
164	11/30/2017	11:58:49	0.000	0.000	0.000
165	11/30/2017	11:59:49	0.000	0.000	0.000
166	11/30/2017	12:00:49	0.000	0.000	0.000
167	11/30/2017	12:01:49	0.000	0.000	0.000
168	11/30/2017	12:02:49	0.000	0.000	0.000
169	11/30/2017	12:03:49	0.000	0.000	0.000
170	11/30/2017	12:04:49	0.000	0.000	0.000
171	11/30/2017	12:05:49	0.000	0.000	0.000
172	11/30/2017	12:06:49	0.000	0.000	0.000
173	11/30/2017	12:07:49	0.000	0.000	0.000
174	11/30/2017	12:08:49	0.000	0.000	0.000
175	11/30/2017	12:09:49	0.000	0.000	0.000
176	11/30/2017	12:10:49	0.000	0.000	0.000

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177	11/30/2017	12:11:49	0.000	0.000	0.000
178	11/30/2017	12:12:49	0.000	0.000	0.000
179	11/30/2017	12:13:49	0.000	0.000	0.000
180	11/30/2017	12:14:49	0.000	0.000	0.000
181	11/30/2017	12:15:49	0.000	0.000	0.000
182	11/30/2017	12:16:49	0.000	0.000	0.000
183	11/30/2017	12:17:49	0.000	0.000	0.000
184	11/30/2017	12:18:49	0.000	0.000	0.000
185	11/30/2017	12:19:49	0.000	0.000	0.000
186	11/30/2017	12:20:49	0.000	0.000	0.000
187	11/30/2017	12:21:49	0.000	0.000	0.000
188	11/30/2017	12:22:49	0.000	0.000	0.000
189	11/30/2017	12:23:49	0.000	0.000	0.000
190	11/30/2017	12:24:49	0.000	0.000	0.000
191	11/30/2017	12:25:49	0.000	0.000	0.000
192	11/30/2017	12:26:49	0.000	0.000	0.000
193	11/30/2017	12:27:49	0.000	0.000	0.000
194	11/30/2017	12:28:49	0.000	0.000	0.000
195	11/30/2017	12:29:49	0.000	0.000	0.000
196	11/30/2017	12:30:49	0.000	0.000	0.000
197	11/30/2017	12:31:49	0.000	0.000	0.000
198	11/30/2017	12:32:49	0.000	0.000	0.000
199	11/30/2017	12:33:49	0.000	0.000	0.000
200	11/30/2017	12:34:49	0.000	0.000	0.000
201	11/30/2017	12:35:49	0.000	0.000	0.000
202	11/30/2017	12:36:49	0.000	0.000	0.000
203	11/30/2017	12:37:49	0.000	0.000	0.000
204	11/30/2017	12:38:49	0.000	0.000	0.000
205	11/30/2017	12:39:49	0.000	0.000	0.000
206	11/30/2017	12:40:49	0.000	0.000	0.000
207	11/30/2017	12:41:49	0.000	0.000	0.000
208	11/30/2017	12:42:49	0.000	0.000	0.000
209	11/30/2017	12:43:49	0.000	0.000	0.000
210	11/30/2017	12:44:49	0.000	0.000	0.000
211	11/30/2017	12:45:49	0.000	0.000	0.000
212	11/30/2017	12:46:49	0.000	0.000	0.000
213	11/30/2017	12:47:49	0.000	0.000	0.000
214	11/30/2017	12:48:49	0.000	0.000	0.000
215	11/30/2017	12:49:49	0.000	0.000	0.000
216	11/30/2017	12:50:49	0.000	0.000	0.000
217	11/30/2017	12:51:49	0.000	0.000	0.000
218	11/30/2017	12:52:49	0.000	0.000	0.000
219	11/30/2017	12:53:49	0.000	0.000	0.000
220	11/30/2017	12:54:49	0.000	0.000	0.000
221	11/30/2017	12:55:49	0.000	0.000	0.000
222	11/30/2017	12:56:49	0.000	0.000	0.000
223	11/30/2017	12:57:49	0.000	0.000	0.000
224	11/30/2017	12:58:49	0.000	0.000	0.000

			Pine_24759_20180226		
225	11/30/2017	12:59:49	0.000	0.000	0.000
226	11/30/2017	13:00:49	0.000	0.000	0.000
227	11/30/2017	13:01:49	0.000	0.000	0.000
228	11/30/2017	13:02:49	0.000	0.000	0.000
229	11/30/2017	13:03:49	0.000	0.000	0.000
230	11/30/2017	13:04:49	0.000	0.000	0.000
231	11/30/2017	13:05:49	0.000	0.000	0.000
232	11/30/2017	13:06:49	0.000	0.000	0.000
233	11/30/2017	13:07:49	0.000	0.000	0.000
234	11/30/2017	13:08:49	0.000	0.000	0.000
235	11/30/2017	13:09:49	0.000	0.000	0.000
236	11/30/2017	13:10:49	0.000	0.000	0.000
237	11/30/2017	13:11:49	0.000	0.000	0.000
238	11/30/2017	13:12:49	0.000	0.000	0.000
239	11/30/2017	13:13:49	0.000	0.000	0.000
240	11/30/2017	13:14:49	0.000	0.000	0.000
241	11/30/2017	13:15:49	0.000	0.000	0.000
242	11/30/2017	13:16:49	0.000	0.000	0.000
243	11/30/2017	13:17:49	0.000	0.000	0.000
244	11/30/2017	13:18:49	0.000	0.000	0.000
245	11/30/2017	13:19:49	0.000	0.000	0.000
246	11/30/2017	13:20:49	0.000	0.000	0.000
247	11/30/2017	13:21:49	0.000	0.000	0.000
248	11/30/2017	13:22:49	0.000	0.000	0.000
249	11/30/2017	13:23:49	0.000	0.000	0.000
250	11/30/2017	13:24:49	0.000	0.000	0.000
251	11/30/2017	13:25:49	0.000	0.000	0.000
252	11/30/2017	13:26:49	0.000	0.000	0.000
253	11/30/2017	13:27:49	0.000	0.000	0.000
254	11/30/2017	13:28:49	0.000	0.000	0.000
255	11/30/2017	13:29:49	0.000	0.000	0.000
256	11/30/2017	13:30:49	0.000	0.000	0.000
257	11/30/2017	13:31:49	0.000	0.000	0.000
258	11/30/2017	13:32:49	0.000	0.000	0.000
259	11/30/2017	13:33:49	0.000	0.000	0.000
260	11/30/2017	13:34:49	0.000	0.000	0.000
261	11/30/2017	13:35:49	0.000	0.000	0.000
262	11/30/2017	13:36:49	0.000	0.000	0.000
263	11/30/2017	13:37:49	0.000	0.000	0.000
264	11/30/2017	13:38:49	0.000	0.000	0.000
265	11/30/2017	13:39:49	0.000	0.000	0.000
266	11/30/2017	13:40:49	0.000	0.000	0.000
267	11/30/2017	13:41:49	0.000	0.000	0.000
268	11/30/2017	13:42:49	0.000	0.000	0.000
269	11/30/2017	13:43:49	0.000	0.000	0.000
270	11/30/2017	13:44:49	0.000	0.000	0.000
271	11/30/2017	13:45:49	0.000	0.000	0.000
272	11/30/2017	13:46:49	0.000	0.000	0.000

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273	11/30/2017	13:47:49	0.000	0.000	0.000
274	11/30/2017	13:48:49	0.000	0.000	0.000
275	11/30/2017	13:49:49	0.000	0.000	0.000
276	11/30/2017	13:50:49	0.000	0.000	0.000
277	11/30/2017	13:51:49	0.000	0.000	0.000
278	11/30/2017	13:52:49	0.000	0.000	0.000
279	11/30/2017	13:53:49	0.000	0.000	0.000
280	11/30/2017	13:54:49	0.000	0.000	0.000
281	11/30/2017	13:55:49	0.000	0.000	0.000
282	11/30/2017	13:56:49	0.000	0.000	0.000
283	11/30/2017	13:57:49	0.000	0.000	0.000
284	11/30/2017	13:58:49	0.000	0.000	0.000
285	11/30/2017	13:59:49	0.000	0.000	0.000
286	11/30/2017	14:00:49	0.000	0.000	0.000
287	11/30/2017	14:01:49	0.000	0.000	0.000
288	11/30/2017	14:02:49	0.000	0.000	0.000
289	11/30/2017	14:03:49	0.000	0.000	0.000
290	11/30/2017	14:04:49	0.000	0.000	0.000
291	11/30/2017	14:05:49	0.000	0.000	0.000
292	11/30/2017	14:06:49	0.000	0.000	0.000
293	11/30/2017	14:07:49	0.000	0.000	0.000
294	11/30/2017	14:08:49	0.000	0.000	0.000
295	11/30/2017	14:09:49	0.000	0.000	0.000
296	11/30/2017	14:10:49	0.000	0.000	0.000
297	11/30/2017	14:11:49	0.000	0.000	0.000
298	11/30/2017	14:12:49	0.000	0.000	0.000
299	11/30/2017	14:13:49	0.000	0.000	0.000
300	11/30/2017	14:14:49	0.000	0.000	0.000
301	11/30/2017	14:15:49	0.000	0.000	0.000
302	11/30/2017	14:16:49	0.000	0.000	0.000
303	11/30/2017	14:17:49	0.000	0.000	0.000
304	11/30/2017	14:18:49	0.000	0.000	0.000
305	11/30/2017	14:19:49	0.000	0.000	0.000
306	11/30/2017	14:20:49	0.000	0.000	0.000
307	11/30/2017	14:21:49	0.000	0.000	0.000
308	11/30/2017	14:22:49	0.000	0.000	0.000
309	11/30/2017	14:23:49	0.000	0.000	0.000
310	11/30/2017	14:24:49	0.000	0.000	0.000
311	11/30/2017	14:25:49	0.000	0.000	0.000
312	11/30/2017	14:26:49	0.000	0.000	0.000
313	11/30/2017	14:27:49	0.000	0.000	0.000
314	11/30/2017	14:28:49	0.000	0.000	0.000
315	11/30/2017	14:29:49	0.000	0.000	0.000
316	11/30/2017	14:30:49	0.000	0.000	0.000
317	11/30/2017	14:31:49	0.000	0.000	0.000
318	11/30/2017	14:32:49	0.000	0.000	0.000
319	11/30/2017	14:33:49	0.000	0.000	0.000
320	11/30/2017	14:34:49	0.000	0.000	0.000

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321	11/30/2017	14:35:49	0.000	0.000	0.000
322	11/30/2017	14:36:49	0.000	0.000	0.000
323	11/30/2017	14:37:49	0.000	0.000	0.000
324	11/30/2017	14:38:49	0.000	0.000	0.000
325	11/30/2017	14:39:49	0.000	0.000	0.000
326	11/30/2017	14:40:49	0.000	0.000	0.000
327	11/30/2017	14:41:49	0.000	0.000	0.000
328	11/30/2017	14:42:49	0.000	0.000	0.000
329	11/30/2017	14:43:49	0.000	0.000	0.000
330	11/30/2017	14:44:49	0.000	0.000	0.000
331	11/30/2017	14:45:49	0.000	0.000	0.000
332	11/30/2017	14:46:49	0.000	0.000	0.000
333	11/30/2017	14:47:49	0.000	0.000	0.000
334	11/30/2017	14:48:49	0.000	0.000	0.000
335	11/30/2017	14:49:49	0.000	0.000	0.000
336	11/30/2017	14:50:49	0.000	0.000	0.000
337	11/30/2017	14:51:49	0.000	0.000	0.000
338	11/30/2017	14:52:49	0.000	0.000	0.000
339	11/30/2017	14:53:49	0.000	0.000	0.000
340	11/30/2017	14:54:49	0.000	0.000	0.000
341	11/30/2017	14:55:49	0.000	0.000	0.000
342	11/30/2017	14:56:49	0.000	0.000	0.000
343	11/30/2017	14:57:49	0.000	0.000	0.000
344	11/30/2017	14:58:49	0.000	0.000	0.000
345	11/30/2017	14:59:49	0.000	0.000	0.000
346	11/30/2017	15:00:49	0.000	0.000	0.000
347	11/30/2017	15:01:49	0.000	0.000	0.000
348	11/30/2017	15:02:49	0.000	0.000	0.000
349	11/30/2017	15:03:49	0.000	0.000	0.000
350	11/30/2017	15:04:49	0.000	0.000	0.000
351	11/30/2017	15:05:49	0.000	0.000	0.000
352	11/30/2017	15:06:49	0.000	0.000	0.000
353	11/30/2017	15:07:49	0.000	0.000	0.000
354	11/30/2017	15:08:49	0.000	0.000	0.000
355	11/30/2017	15:09:49	0.000	0.000	0.000
356	11/30/2017	15:10:49	0.000	0.000	0.000
357	11/30/2017	15:11:49	0.000	0.000	0.000
358	11/30/2017	15:12:49	0.000	0.000	0.000
359	11/30/2017	15:13:49	0.000	0.000	0.000
360	11/30/2017	15:14:49	0.000	0.000	0.000
361	11/30/2017	15:15:49	0.000	0.000	0.000
362	11/30/2017	15:16:49	0.000	0.000	0.000
363	11/30/2017	15:17:49	0.000	0.000	0.000
364	11/30/2017	15:18:49	0.000	0.000	0.000
365	11/30/2017	15:19:49	0.000	0.000	0.000
366	11/30/2017	15:20:49	0.000	0.000	0.000
367	11/30/2017	15:21:49	0.000	0.000	0.000
368	11/30/2017	15:22:49	0.000	0.000	0.000

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369	11/30/2017	15:23:49	0.000	0.000	0.000
370	11/30/2017	15:24:49	0.000	0.000	0.000
371	11/30/2017	15:25:49	0.000	0.000	0.000
372	11/30/2017	15:26:49	0.000	0.000	0.000
373	11/30/2017	15:27:49	0.000	0.000	0.000
374	11/30/2017	15:28:49	0.000	0.000	0.000
375	11/30/2017	15:29:49	0.000	0.000	0.000
376	11/30/2017	15:30:49	0.000	0.000	0.000
377	11/30/2017	15:31:49	0.000	0.000	0.000
378	11/30/2017	15:32:49	0.000	0.000	0.000
379	11/30/2017	15:33:49	0.000	0.000	0.000
380	11/30/2017	15:34:49	0.000	0.000	0.000
381	11/30/2017	15:35:49	0.000	0.000	0.000
382	11/30/2017	15:36:49	0.000	0.000	0.000
383	11/30/2017	15:37:49	0.000	0.000	0.000
384	11/30/2017	15:38:49	0.000	0.000	0.000
385	11/30/2017	15:39:49	0.000	0.000	0.000
386	11/30/2017	15:40:49	0.000	0.000	0.000
387	11/30/2017	15:41:49	0.000	0.000	0.000
388	11/30/2017	15:42:49	0.000	0.000	0.000
389	11/30/2017	15:43:49	0.000	0.000	0.000
390	11/30/2017	15:44:49	0.000	0.000	0.000
391	11/30/2017	15:45:49	0.000	0.000	0.000
392	11/30/2017	15:46:49	0.000	0.000	0.000
393	11/30/2017	15:47:49	0.000	0.000	0.000
394	11/30/2017	15:48:49	0.000	0.000	0.000
395	11/30/2017	15:49:49	0.000	0.000	0.000
396	11/30/2017	15:50:49	0.000	0.000	0.000
397	11/30/2017	15:51:49	0.000	0.000	0.000
398	11/30/2017	15:52:49	0.000	0.000	0.000
399	11/30/2017	15:53:49	0.000	0.000	0.000
400	11/30/2017	15:54:49	0.000	0.000	0.000
401	11/30/2017	15:55:49	0.000	0.000	0.000
402	11/30/2017	15:56:49	0.000	0.000	0.000
403	11/30/2017	15:57:49	0.000	0.000	0.000
404	11/30/2017	15:58:49	0.000	0.000	0.000
405	11/30/2017	15:59:49	0.000	0.000	0.000
406	11/30/2017	16:00:49	0.000	0.000	0.000
407	11/30/2017	16:01:49	0.000	0.000	0.000
408	11/30/2017	16:02:49	0.000	0.000	0.000
409	11/30/2017	16:03:49	0.000	0.000	0.000
410	11/30/2017	16:04:49	0.000	0.000	0.000
411	11/30/2017	16:05:49	0.000	0.000	0.000
412	11/30/2017	16:06:49	0.000	0.000	0.000
413	11/30/2017	16:07:49	0.000	0.000	0.000
414	11/30/2017	16:08:49	0.000	0.000	0.000
415	11/30/2017	16:09:49	0.000	0.000	0.000
416	11/30/2017	16:10:49	0.000	0.000	0.000

			Pine_24759_20180226		
417	11/30/2017	16:11:49	0.000	0.000	0.000
418	11/30/2017	16:12:49	0.000	0.000	0.000
419	11/30/2017	16:13:49	0.000	0.000	0.000
420	11/30/2017	16:14:49	0.000	0.000	0.000
421	11/30/2017	16:15:49	0.000	0.000	0.000
422	11/30/2017	16:16:49	0.000	0.000	0.000
423	11/30/2017	16:17:49	0.000	0.000	0.000
424	11/30/2017	16:18:49	0.000	0.000	0.000
425	11/30/2017	16:19:49	0.000	0.000	0.000
426	11/30/2017	16:20:49	0.000	0.000	0.000
427	11/30/2017	16:21:49	0.000	0.000	0.001
428	11/30/2017	16:22:49	0.000	0.000	0.000
429	11/30/2017	16:23:49	0.000	0.000	0.000
430	11/30/2017	16:24:49	0.000	0.000	0.000
431	11/30/2017	16:25:49	0.000	0.000	0.000
432	11/30/2017	16:26:49	0.000	0.000	0.000
433	11/30/2017	16:27:49	0.000	0.000	0.000
434	11/30/2017	16:28:49	0.000	0.000	0.000
435	11/30/2017	16:29:49	0.000	0.000	0.000
436	11/30/2017	16:30:49	0.000	0.000	0.000
437	11/30/2017	16:31:49	0.000	0.000	0.000
438	11/30/2017	16:32:49	0.000	0.000	0.000
439	11/30/2017	16:33:49	0.000	0.000	0.000
440	11/30/2017	16:34:49	0.000	0.000	0.000
441	11/30/2017	16:35:49	0.000	0.000	0.000
442	11/30/2017	16:36:49	0.000	0.000	0.000
443	11/30/2017	16:37:49	0.000	0.000	0.000
444	11/30/2017	16:38:49	0.000	0.000	0.000
445	11/30/2017	16:39:49	0.000	0.000	0.000
446	11/30/2017	16:40:49	0.000	0.000	0.000
447	11/30/2017	16:41:49	0.000	0.000	0.000
448	11/30/2017	16:42:49	0.000	0.000	0.000
449	11/30/2017	16:43:49	0.000	0.000	0.000
450	11/30/2017	16:44:49	0.000	0.000	0.000
451	11/30/2017	16:45:49	0.000	0.000	0.000
452	11/30/2017	16:46:49	0.000	0.000	0.000
453	11/30/2017	16:47:49	0.000	0.000	0.000
454	11/30/2017	16:48:49	0.000	0.002	0.010
455	11/30/2017	16:49:49	0.006	0.018	0.028
Peak		0.006	0.018	0.034	
Min		0.000	0.000	0.000	
Average		0.000	0.000	0.000	

17/12/01 07:58

Summary

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Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

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

Site ID RAE00000

User ID 00000001

Begin 12/1/2017 07:58:19
End 12/1/2017 13:36:43
Sample Period(s) 60
Number of Records 338

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	12/1/2017 07:59:19	0.000	0.000	0.000	0.005
002	12/1/2017 08:00:19	0.000	0.000	0.000	0.000
003	12/1/2017 08:01:19	0.000	0.001	0.001	0.006
004	12/1/2017 08:02:19	0.005	0.013	0.013	0.017
005	12/1/2017 08:03:19	0.006	0.008	0.008	0.011
006	12/1/2017 08:04:19	0.003	0.005	0.005	0.009
007	12/1/2017 08:05:19	0.003	0.004	0.004	0.006
008	12/1/2017 08:06:19	0.000	0.002	0.002	0.005
009	12/1/2017 08:07:19	0.002	0.004	0.004	0.007
010	12/1/2017 08:08:19	0.000	0.000	0.000	0.003
011	12/1/2017 08:09:19	0.000	0.000	0.000	0.001

			Pine_24759_20180226		
012	12/1/2017	08:10:19	0.000	0.000	0.000
013	12/1/2017	08:11:19	0.000	0.000	0.002
014	12/1/2017	08:12:19	0.000	0.000	0.002
015	12/1/2017	08:13:19	0.000	0.001	0.003
016	12/1/2017	08:14:19	0.000	0.002	0.008
017	12/1/2017	08:15:19	0.005	0.007	0.010
018	12/1/2017	08:16:19	0.006	0.008	0.012
019	12/1/2017	08:17:19	0.010	0.012	0.016
020	12/1/2017	08:18:19	0.010	0.012	0.015
021	12/1/2017	08:19:19	0.009	0.010	0.012
022	12/1/2017	08:20:19	0.009	0.012	0.016
023	12/1/2017	08:21:19	0.013	0.014	0.017
024	12/1/2017	08:22:19	0.015	0.017	0.019
025	12/1/2017	08:23:19	0.016	0.017	0.020
026	12/1/2017	08:24:19	0.017	0.019	0.023
027	12/1/2017	08:25:19	0.020	0.022	0.025
028	12/1/2017	08:26:19	0.022	0.025	0.028
029	12/1/2017	08:27:19	0.022	0.027	0.030
030	12/1/2017	08:28:19	0.026	0.029	0.033
031	12/1/2017	08:29:19	0.027	0.030	0.034
032	12/1/2017	08:30:19	0.026	0.029	0.032
033	12/1/2017	08:31:19	0.026	0.028	0.030
034	12/1/2017	08:32:19	0.024	0.026	0.028
035	12/1/2017	08:33:19	0.024	0.025	0.028
036	12/1/2017	08:34:19	0.027	0.029	0.033
037	12/1/2017	08:35:19	0.032	0.033	0.036
038	12/1/2017	08:36:19	0.033	0.037	0.041
039	12/1/2017	08:37:19	0.038	0.040	0.043
040	12/1/2017	08:38:19	0.039	0.042	0.045
041	12/1/2017	08:39:19	0.040	0.045	0.049
042	12/1/2017	08:40:19	0.045	0.046	0.049
043	12/1/2017	08:41:19	0.042	0.045	0.048
044	12/1/2017	08:42:19	0.043	0.045	0.048
045	12/1/2017	08:43:19	0.045	0.048	0.053
046	12/1/2017	08:44:19	0.047	0.049	0.052
047	12/1/2017	08:45:19	0.046	0.049	0.051
048	12/1/2017	08:46:19	0.038	0.044	0.047
049	12/1/2017	08:47:19	0.038	0.040	0.043
050	12/1/2017	08:48:19	0.037	0.041	0.044
051	12/1/2017	08:49:19	0.042	0.043	0.046
052	12/1/2017	08:50:19	0.041	0.045	0.049
053	12/1/2017	08:51:19	0.045	0.047	0.050
054	12/1/2017	08:52:19	0.048	0.050	0.053
055	12/1/2017	08:53:19	0.041	0.047	0.055
056	12/1/2017	08:54:19	0.032	0.037	0.045
057	12/1/2017	08:55:19	0.030	0.033	0.036
058	12/1/2017	08:56:19	0.026	0.030	0.034
059	12/1/2017	08:57:19	0.023	0.026	0.030

			Pine_24759_20180226		
060	12/1/2017 08:58:19	0.023	0.026	0.030	
061	12/1/2017 08:59:19	0.022	0.024	0.027	
062	12/1/2017 09:00:19	0.021	0.024	0.028	
063	12/1/2017 09:01:19	0.024	0.027	0.030	
064	12/1/2017 09:02:19	0.026	0.030	0.033	
065	12/1/2017 09:03:19	0.030	0.033	0.039	
066	12/1/2017 09:04:19	0.034	0.036	0.039	
067	12/1/2017 09:05:19	0.035	0.038	0.041	
068	12/1/2017 09:06:19	0.038	0.040	0.044	
069	12/1/2017 09:07:19	0.041	0.043	0.047	
070	12/1/2017 09:08:19	0.041	0.044	0.049	
071	12/1/2017 09:09:19	0.042	0.047	0.052	
072	12/1/2017 09:10:19	0.035	0.041	0.044	
073	12/1/2017 09:11:19	0.042	0.046	0.052	
074	12/1/2017 09:12:19	0.045	0.049	0.055	
075	12/1/2017 09:13:19	0.047	0.049	0.053	
076	12/1/2017 09:14:19	0.048	0.050	0.052	
077	12/1/2017 09:15:19	0.049	0.052	0.055	
078	12/1/2017 09:16:19	0.053	0.055	0.057	
079	12/1/2017 09:17:19	0.053	0.056	0.060	
080	12/1/2017 09:18:19	0.054	0.056	0.060	
081	12/1/2017 09:19:19	0.057	0.060	0.063	
082	12/1/2017 09:20:19	0.060	0.064	0.069	
083	12/1/2017 09:21:19	0.065	0.067	0.070	
084	12/1/2017 09:22:19	0.069	0.071	0.073	
085	12/1/2017 09:23:19	0.070	0.071	0.073	
086	12/1/2017 09:24:19	0.069	0.071	0.075	
087	12/1/2017 09:25:19	0.067	0.070	0.074	
088	12/1/2017 09:26:19	0.070	0.072	0.076	
089	12/1/2017 09:27:19	0.071	0.075	0.080	
090	12/1/2017 09:28:19	0.000	0.037	0.088	
091	12/1/2017 09:29:19	0.000	0.000	0.000	
092	12/1/2017 09:30:19	0.000	0.000	0.000	
093	12/1/2017 09:31:19	0.000	0.000	0.000	
094	12/1/2017 09:32:19	0.000	0.000	0.000	
095	12/1/2017 09:33:19	0.000	0.000	0.000	
096	12/1/2017 09:34:19	0.000	0.000	0.000	
097	12/1/2017 09:35:19	0.000	0.000	0.000	
098	12/1/2017 09:36:19	0.000	0.000	0.000	
099	12/1/2017 09:37:19	0.000	0.000	0.000	
100	12/1/2017 09:38:19	0.000	0.000	0.000	
101	12/1/2017 09:39:19	0.000	0.000	0.000	
102	12/1/2017 09:40:19	0.000	0.000	0.000	
103	12/1/2017 09:41:19	0.000	0.000	0.000	
104	12/1/2017 09:42:19	0.000	0.000	0.000	
105	12/1/2017 09:43:19	0.000	0.000	0.000	
106	12/1/2017 09:44:19	0.000	0.000	0.000	
107	12/1/2017 09:45:19	0.000	0.000	0.000	

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108	12/1/2017 09:46:19	0.000	0.000	0.000
109	12/1/2017 09:47:19	0.000	0.000	0.000
110	12/1/2017 09:48:19	0.000	0.000	0.000
111	12/1/2017 09:49:19	0.000	0.000	0.000
112	12/1/2017 09:50:19	0.000	0.000	0.000
113	12/1/2017 09:51:19	0.000	0.000	0.000
114	12/1/2017 09:52:19	0.000	0.000	0.000
115	12/1/2017 09:53:19	0.000	0.000	0.000
116	12/1/2017 09:54:19	0.000	0.000	0.000
117	12/1/2017 09:55:19	0.000	0.000	0.000
118	12/1/2017 09:56:19	0.000	0.000	0.000
119	12/1/2017 09:57:19	0.000	0.000	0.000
120	12/1/2017 09:58:19	0.000	0.000	0.000
121	12/1/2017 09:59:19	0.000	0.000	0.000
122	12/1/2017 10:00:19	0.000	0.000	0.000
123	12/1/2017 10:01:19	0.000	0.000	0.000
124	12/1/2017 10:02:19	0.000	0.000	0.000
125	12/1/2017 10:03:19	0.000	0.000	0.000
126	12/1/2017 10:04:19	0.000	0.000	0.000
127	12/1/2017 10:05:19	0.000	0.000	0.000
128	12/1/2017 10:06:19	0.000	0.000	0.000
129	12/1/2017 10:07:19	0.000	0.000	0.000
130	12/1/2017 10:08:19	0.000	0.000	0.000
131	12/1/2017 10:09:19	0.000	0.000	0.000
132	12/1/2017 10:10:19	0.000	0.000	0.000
133	12/1/2017 10:11:19	0.000	0.000	0.000
134	12/1/2017 10:12:19	0.000	0.000	0.000
135	12/1/2017 10:13:19	0.000	0.000	0.000
136	12/1/2017 10:14:19	0.000	0.000	0.000
137	12/1/2017 10:15:19	0.000	0.000	0.000
138	12/1/2017 10:16:19	0.000	0.000	0.000
139	12/1/2017 10:17:19	0.000	0.000	0.000
140	12/1/2017 10:18:19	0.000	0.000	0.000
141	12/1/2017 10:19:19	0.000	0.000	0.000
142	12/1/2017 10:20:19	0.000	0.000	0.000
143	12/1/2017 10:21:19	0.000	0.000	0.000
144	12/1/2017 10:22:19	0.000	0.000	0.000
145	12/1/2017 10:23:19	0.000	0.000	0.000
146	12/1/2017 10:24:19	0.000	0.000	0.000
147	12/1/2017 10:25:19	0.000	0.000	0.000
148	12/1/2017 10:26:19	0.000	0.000	0.000
149	12/1/2017 10:27:19	0.000	0.000	0.000
150	12/1/2017 10:28:19	0.000	0.000	0.000
151	12/1/2017 10:29:19	0.000	0.000	0.000
152	12/1/2017 10:30:19	0.000	0.000	0.000
153	12/1/2017 10:31:19	0.000	0.000	0.000
154	12/1/2017 10:32:19	0.000	0.000	0.000
155	12/1/2017 10:33:19	0.000	0.000	0.000

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156	12/1/2017	10:34:19	0.000	0.000	0.000
157	12/1/2017	10:35:19	0.000	0.000	0.000
158	12/1/2017	10:36:19	0.000	0.000	0.000
159	12/1/2017	10:37:19	0.000	0.000	0.000
160	12/1/2017	10:38:19	0.000	0.000	0.000
161	12/1/2017	10:39:19	0.000	0.000	0.000
162	12/1/2017	10:40:19	0.000	0.000	0.000
163	12/1/2017	10:41:19	0.000	0.000	0.000
164	12/1/2017	10:42:19	0.000	0.000	0.000
165	12/1/2017	10:43:19	0.000	0.000	0.000
166	12/1/2017	10:44:19	0.000	0.000	0.000
167	12/1/2017	10:45:19	0.000	0.000	0.000
168	12/1/2017	10:46:19	0.000	0.000	0.000
169	12/1/2017	10:47:19	0.000	0.000	0.000
170	12/1/2017	10:48:19	0.000	0.000	0.000
171	12/1/2017	10:49:19	0.000	0.000	0.000
172	12/1/2017	10:50:19	0.000	0.000	0.000
173	12/1/2017	10:51:19	0.000	0.000	0.000
174	12/1/2017	10:52:19	0.000	0.000	0.000
175	12/1/2017	10:53:19	0.000	0.000	0.000
176	12/1/2017	10:54:19	0.000	0.000	0.000
177	12/1/2017	10:55:19	0.000	0.000	0.000
178	12/1/2017	10:56:19	0.000	0.000	0.000
179	12/1/2017	10:57:19	0.000	0.000	0.000
180	12/1/2017	10:58:19	0.000	0.000	0.000
181	12/1/2017	10:59:19	0.000	0.000	0.000
182	12/1/2017	11:00:19	0.000	0.000	0.000
183	12/1/2017	11:01:19	0.000	0.000	0.000
184	12/1/2017	11:02:19	0.000	0.000	0.000
185	12/1/2017	11:03:19	0.000	0.000	0.000
186	12/1/2017	11:04:19	0.000	0.000	0.000
187	12/1/2017	11:05:19	0.000	0.000	0.000
188	12/1/2017	11:06:19	0.000	0.000	0.000
189	12/1/2017	11:07:19	0.000	0.000	0.000
190	12/1/2017	11:08:19	0.000	0.000	0.000
191	12/1/2017	11:09:19	0.000	0.000	0.000
192	12/1/2017	11:10:19	0.000	0.000	0.000
193	12/1/2017	11:11:19	0.000	0.000	0.000
194	12/1/2017	11:12:19	0.000	0.000	0.000
195	12/1/2017	11:13:19	0.000	0.000	0.000
196	12/1/2017	11:14:19	0.000	0.000	0.000
197	12/1/2017	11:15:19	0.000	0.000	0.000
198	12/1/2017	11:16:19	0.000	0.000	0.000
199	12/1/2017	11:17:19	0.000	0.000	0.000
200	12/1/2017	11:18:19	0.000	0.000	0.000
201	12/1/2017	11:19:19	0.000	0.000	0.000
202	12/1/2017	11:20:19	0.000	0.000	0.000
203	12/1/2017	11:21:19	0.000	0.000	0.000

			Pine_24759_20180226		
204	12/1/2017	11:22:19	0.000	0.000	0.000
205	12/1/2017	11:23:19	0.000	0.000	0.000
206	12/1/2017	11:24:19	0.000	0.000	0.000
207	12/1/2017	11:25:19	0.000	0.000	0.000
208	12/1/2017	11:26:19	0.000	0.000	0.000
209	12/1/2017	11:27:19	0.000	0.000	0.000
210	12/1/2017	11:28:19	0.000	0.000	0.000
211	12/1/2017	11:29:19	0.000	0.000	0.000
212	12/1/2017	11:30:19	0.000	0.000	0.000
213	12/1/2017	11:31:19	0.000	0.000	0.000
214	12/1/2017	11:32:19	0.000	0.000	0.000
215	12/1/2017	11:33:19	0.000	0.000	0.000
216	12/1/2017	11:34:19	0.000	0.000	0.000
217	12/1/2017	11:35:19	0.000	0.000	0.000
218	12/1/2017	11:36:19	0.000	0.000	0.000
219	12/1/2017	11:37:19	0.000	0.000	0.000
220	12/1/2017	11:38:19	0.000	0.000	0.000
221	12/1/2017	11:39:19	0.000	0.000	0.000
222	12/1/2017	11:40:19	0.000	0.000	0.000
223	12/1/2017	11:41:19	0.000	0.000	0.000
224	12/1/2017	11:42:19	0.000	0.000	0.000
225	12/1/2017	11:43:19	0.000	0.000	0.000
226	12/1/2017	11:44:19	0.000	0.000	0.000
227	12/1/2017	11:45:19	0.000	0.000	0.000
228	12/1/2017	11:46:19	0.000	0.000	0.000
229	12/1/2017	11:47:19	0.000	0.000	0.000
230	12/1/2017	11:48:19	0.000	0.000	0.000
231	12/1/2017	11:49:19	0.000	0.000	0.000
232	12/1/2017	11:50:19	0.000	0.000	0.000
233	12/1/2017	11:51:19	0.000	0.000	0.000
234	12/1/2017	11:52:19	0.000	0.000	0.000
235	12/1/2017	11:53:19	0.000	0.000	0.000
236	12/1/2017	11:54:19	0.000	0.000	0.000
237	12/1/2017	11:55:19	0.000	0.000	0.000
238	12/1/2017	11:56:19	0.000	0.000	0.000
239	12/1/2017	11:57:19	0.000	0.000	0.000
240	12/1/2017	11:58:19	0.000	0.000	0.000
241	12/1/2017	11:59:19	0.000	0.000	0.000
242	12/1/2017	12:00:19	0.000	0.000	0.000
243	12/1/2017	12:01:19	0.000	0.000	0.000
244	12/1/2017	12:02:19	0.000	0.000	0.000
245	12/1/2017	12:03:19	0.000	0.000	0.000
246	12/1/2017	12:04:19	0.000	0.000	0.000
247	12/1/2017	12:05:19	0.000	0.000	0.000
248	12/1/2017	12:06:19	0.000	0.000	0.000
249	12/1/2017	12:07:19	0.000	0.000	0.000
250	12/1/2017	12:08:19	0.000	0.000	0.000
251	12/1/2017	12:09:19	0.000	0.000	0.000

			Pine_24759_20180226		
252	12/1/2017	12:10:19	0.000	0.000	0.000
253	12/1/2017	12:11:19	0.000	0.000	0.000
254	12/1/2017	12:12:19	0.000	0.000	0.000
255	12/1/2017	12:13:19	0.000	0.000	0.000
256	12/1/2017	12:14:19	0.000	0.000	0.000
257	12/1/2017	12:15:19	0.000	0.000	0.000
258	12/1/2017	12:16:19	0.000	0.000	0.000
259	12/1/2017	12:17:19	0.000	0.000	0.000
260	12/1/2017	12:18:19	0.000	0.000	0.000
261	12/1/2017	12:19:19	0.000	0.000	0.000
262	12/1/2017	12:20:19	0.000	0.000	0.000
263	12/1/2017	12:21:19	0.000	0.000	0.000
264	12/1/2017	12:22:19	0.000	0.000	0.000
265	12/1/2017	12:23:19	0.000	0.000	0.000
266	12/1/2017	12:24:19	0.000	0.000	0.000
267	12/1/2017	12:25:19	0.000	0.000	0.000
268	12/1/2017	12:26:19	0.000	0.000	0.000
269	12/1/2017	12:27:19	0.000	0.000	0.000
270	12/1/2017	12:28:19	0.000	0.000	0.000
271	12/1/2017	12:29:19	0.000	0.000	0.000
272	12/1/2017	12:30:19	0.000	0.000	0.000
273	12/1/2017	12:31:19	0.000	0.000	0.000
274	12/1/2017	12:32:19	0.000	0.000	0.000
275	12/1/2017	12:33:19	0.000	0.000	0.000
276	12/1/2017	12:34:19	0.000	0.000	0.000
277	12/1/2017	12:35:19	0.000	0.000	0.000
278	12/1/2017	12:36:19	0.000	0.000	0.000
279	12/1/2017	12:37:19	0.000	0.000	0.000
280	12/1/2017	12:38:19	0.000	0.000	0.000
281	12/1/2017	12:39:19	0.000	0.000	0.000
282	12/1/2017	12:40:19	0.000	0.000	0.000
283	12/1/2017	12:41:19	0.000	0.000	0.000
284	12/1/2017	12:42:19	0.000	0.000	0.000
285	12/1/2017	12:43:19	0.000	0.000	0.000
286	12/1/2017	12:44:19	0.000	0.000	0.000
287	12/1/2017	12:45:19	0.000	0.000	0.000
288	12/1/2017	12:46:19	0.000	0.000	0.000
289	12/1/2017	12:47:19	0.000	0.000	0.000
290	12/1/2017	12:48:19	0.000	0.000	0.000
291	12/1/2017	12:49:19	0.000	0.000	0.000
292	12/1/2017	12:50:19	0.000	0.000	0.000
293	12/1/2017	12:51:19	0.000	0.000	0.000
294	12/1/2017	12:52:19	0.000	0.000	0.000
295	12/1/2017	12:53:19	0.000	0.000	0.000
296	12/1/2017	12:54:19	0.000	0.000	0.000
297	12/1/2017	12:55:19	0.000	0.000	0.000
298	12/1/2017	12:56:19	0.000	0.000	0.000
299	12/1/2017	12:57:19	0.000	0.000	0.000

				Pine_24759_20180226		
300	12/1/2017	12:58:19	0.000	0.000	0.000	
301	12/1/2017	12:59:19	0.000	0.000	0.000	
302	12/1/2017	13:00:19	0.000	0.000	0.000	
303	12/1/2017	13:01:19	0.000	0.000	0.000	
304	12/1/2017	13:02:19	0.000	0.000	0.000	
305	12/1/2017	13:03:19	0.000	0.000	0.000	
306	12/1/2017	13:04:19	0.000	0.000	0.000	
307	12/1/2017	13:05:19	0.000	0.000	0.000	
308	12/1/2017	13:06:19	0.000	0.000	0.000	
309	12/1/2017	13:07:19	0.000	0.000	0.000	
310	12/1/2017	13:08:19	0.000	0.000	0.000	
311	12/1/2017	13:09:19	0.000	0.000	0.000	
312	12/1/2017	13:10:19	0.000	0.000	0.000	
313	12/1/2017	13:11:19	0.000	0.000	0.000	
314	12/1/2017	13:12:19	0.000	0.000	0.000	
315	12/1/2017	13:13:19	0.000	0.000	0.000	
316	12/1/2017	13:14:19	0.000	0.000	0.000	
317	12/1/2017	13:15:19	0.000	0.000	0.000	
318	12/1/2017	13:16:19	0.000	0.000	0.000	
319	12/1/2017	13:17:19	0.000	0.000	0.001	
320	12/1/2017	13:18:19	0.000	0.014	0.031	
321	12/1/2017	13:19:19	0.015	0.027	0.037	
322	12/1/2017	13:20:19	0.025	0.038	0.049	
323	12/1/2017	13:21:19	0.047	0.057	0.067	
324	12/1/2017	13:22:19	0.064	0.077	0.099	
325	12/1/2017	13:23:19	0.097	0.108	0.117	
326	12/1/2017	13:24:19	0.116	0.133	0.150	
327	12/1/2017	13:25:19	0.138	0.145	0.153	
328	12/1/2017	13:26:19	0.146	0.154	0.163	
329	12/1/2017	13:27:19	0.160	0.168	0.175	
330	12/1/2017	13:28:19	0.175	0.180	0.187	
331	12/1/2017	13:29:19	0.186	0.191	0.199	
332	12/1/2017	13:30:19	0.197	0.203	0.209	
333	12/1/2017	13:31:19	0.205	0.214	0.228	
334	12/1/2017	13:32:19	0.227	0.232	0.241	
335	12/1/2017	13:33:19	0.228	0.239	0.246	
336	12/1/2017	13:34:19	0.237	0.241	0.246	
337	12/1/2017	13:35:19	0.241	0.250	0.256	
338	12/1/2017	13:36:19	0.252	0.255	0.257	
Peak		0.252	0.255	0.257		
Min		0.000	0.000	0.000		
Average		0.016	0.017	0.019		

=====

17/12/04 08:44

Summary

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Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

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

Site ID RAE00000

User ID 00000001

Begin 12/4/2017 08:44:20
End 12/4/2017 17:11:46
Sample Period(s) 60
Number of Records 507

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	12/4/2017 08:45:20	0.038	0.058	0.115	
002	12/4/2017 08:46:20	0.035	0.038	0.040	
003	12/4/2017 08:47:20	0.034	0.041	0.049	
004	12/4/2017 08:48:20	0.049	0.056	0.064	
005	12/4/2017 08:49:20	0.063	0.067	0.073	
006	12/4/2017 08:50:20	0.047	0.055	0.073	
007	12/4/2017 08:51:20	0.049	0.051	0.057	
008	12/4/2017 08:52:20	0.055	0.062	0.075	
009	12/4/2017 08:53:20	0.064	0.075	0.092	
010	12/4/2017 08:54:20	0.079	0.086	0.090	
011	12/4/2017 08:55:20	0.086	0.089	0.093	

			Pine_24759_20180226		
012	12/4/2017	08:56:20	0.092	0.095	0.097
013	12/4/2017	08:57:20	0.091	0.093	0.096
014	12/4/2017	08:58:20	0.092	0.096	0.100
015	12/4/2017	08:59:20	0.072	0.083	0.097
016	12/4/2017	09:00:20	0.054	0.061	0.070
017	12/4/2017	09:01:20	0.033	0.045	0.058
018	12/4/2017	09:02:20	0.030	0.032	0.036
019	12/4/2017	09:03:20	0.029	0.034	0.040
020	12/4/2017	09:04:20	0.039	0.047	0.057
021	12/4/2017	09:05:20	0.058	0.072	0.083
022	12/4/2017	09:06:20	0.082	0.088	0.097
023	12/4/2017	09:07:20	0.095	0.103	0.109
024	12/4/2017	09:08:20	0.000	0.055	0.107
025	12/4/2017	09:09:20	0.000	0.000	0.000
026	12/4/2017	09:10:20	0.000	0.000	0.000
027	12/4/2017	09:11:20	0.000	0.000	0.000
028	12/4/2017	09:12:20	0.000	0.000	0.000
029	12/4/2017	09:13:20	0.000	0.000	0.000
030	12/4/2017	09:14:20	0.000	0.000	0.000
031	12/4/2017	09:15:20	0.000	0.000	0.000
032	12/4/2017	09:16:20	0.000	0.000	0.000
033	12/4/2017	09:17:20	0.000	0.000	0.000
034	12/4/2017	09:18:20	0.000	0.000	0.000
035	12/4/2017	09:19:20	0.000	0.000	0.000
036	12/4/2017	09:20:20	0.000	0.000	0.000
037	12/4/2017	09:21:20	0.000	0.000	0.000
038	12/4/2017	09:22:20	0.000	0.000	0.000
039	12/4/2017	09:23:20	0.000	0.000	0.000
040	12/4/2017	09:24:20	0.000	0.000	0.000
041	12/4/2017	09:25:20	0.000	0.000	0.000
042	12/4/2017	09:26:20	0.000	0.000	0.000
043	12/4/2017	09:27:20	0.000	0.000	0.000
044	12/4/2017	09:28:20	0.000	0.000	0.000
045	12/4/2017	09:29:20	0.000	0.000	0.000
046	12/4/2017	09:30:20	0.000	0.000	0.000
047	12/4/2017	09:31:20	0.000	0.000	0.000
048	12/4/2017	09:32:20	0.000	0.000	0.000
049	12/4/2017	09:33:20	0.000	0.000	0.000
050	12/4/2017	09:34:20	0.000	0.000	0.000
051	12/4/2017	09:35:20	0.000	0.000	0.000
052	12/4/2017	09:36:20	0.000	0.000	0.000
053	12/4/2017	09:37:20	0.000	0.000	0.000
054	12/4/2017	09:38:20	0.000	0.000	0.000
055	12/4/2017	09:39:20	0.000	0.000	0.000
056	12/4/2017	09:40:20	0.000	0.000	0.000
057	12/4/2017	09:41:20	0.000	0.000	0.000
058	12/4/2017	09:42:20	0.000	0.000	0.000
059	12/4/2017	09:43:20	0.000	0.000	0.000

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060	12/4/2017 09:44:20	0.000	0.000	0.000
061	12/4/2017 09:45:20	0.000	0.000	0.000
062	12/4/2017 09:46:20	0.000	0.000	0.000
063	12/4/2017 09:47:20	0.000	0.000	0.000
064	12/4/2017 09:48:20	0.000	0.000	0.000
065	12/4/2017 09:49:20	0.000	0.000	0.000
066	12/4/2017 09:50:20	0.000	0.000	0.000
067	12/4/2017 09:51:20	0.000	0.000	0.000
068	12/4/2017 09:52:20	0.000	0.000	0.000
069	12/4/2017 09:53:20	0.000	0.000	0.000
070	12/4/2017 09:54:20	0.000	0.000	0.000
071	12/4/2017 09:55:20	0.000	0.000	0.000
072	12/4/2017 09:56:20	0.000	0.000	0.000
073	12/4/2017 09:57:20	0.000	0.000	0.000
074	12/4/2017 09:58:20	0.000	0.000	0.000
075	12/4/2017 09:59:20	0.000	0.000	0.000
076	12/4/2017 10:00:20	0.000	0.000	0.000
077	12/4/2017 10:01:20	0.000	0.000	0.000
078	12/4/2017 10:02:20	0.000	0.000	0.000
079	12/4/2017 10:03:20	0.000	0.000	0.000
080	12/4/2017 10:04:20	0.000	0.000	0.000
081	12/4/2017 10:05:20	0.000	0.000	0.000
082	12/4/2017 10:06:20	0.000	0.000	0.000
083	12/4/2017 10:07:20	0.000	0.000	0.000
084	12/4/2017 10:08:20	0.000	0.000	0.000
085	12/4/2017 10:09:20	0.000	0.000	0.000
086	12/4/2017 10:10:20	0.000	0.000	0.000
087	12/4/2017 10:11:20	0.000	0.000	0.000
088	12/4/2017 10:12:20	0.000	0.000	0.000
089	12/4/2017 10:13:20	0.000	0.000	0.000
090	12/4/2017 10:14:20	0.000	0.000	0.000
091	12/4/2017 10:15:20	0.000	0.000	0.000
092	12/4/2017 10:16:20	0.000	0.000	0.000
093	12/4/2017 10:17:20	0.000	0.000	0.000
094	12/4/2017 10:18:20	0.000	0.000	0.000
095	12/4/2017 10:19:20	0.000	0.000	0.000
096	12/4/2017 10:20:20	0.000	0.000	0.000
097	12/4/2017 10:21:20	0.000	0.000	0.000
098	12/4/2017 10:22:20	0.000	0.000	0.000
099	12/4/2017 10:23:20	0.000	0.000	0.000
100	12/4/2017 10:24:20	0.000	0.000	0.000
101	12/4/2017 10:25:20	0.000	0.000	0.000
102	12/4/2017 10:26:20	0.000	0.000	0.000
103	12/4/2017 10:27:20	0.000	0.000	0.000
104	12/4/2017 10:28:20	0.000	0.000	0.000
105	12/4/2017 10:29:20	0.000	0.000	0.000
106	12/4/2017 10:30:20	0.000	0.000	0.000
107	12/4/2017 10:31:20	0.000	0.000	0.000

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108	12/4/2017	10:32:20	0.000	0.000	0.000
109	12/4/2017	10:33:20	0.000	0.000	0.000
110	12/4/2017	10:34:20	0.000	0.000	0.000
111	12/4/2017	10:35:20	0.000	0.000	0.000
112	12/4/2017	10:36:20	0.000	0.000	0.000
113	12/4/2017	10:37:20	0.000	0.000	0.000
114	12/4/2017	10:38:20	0.000	0.000	0.000
115	12/4/2017	10:39:20	0.000	0.000	0.000
116	12/4/2017	10:40:20	0.000	0.000	0.000
117	12/4/2017	10:41:20	0.000	0.000	0.000
118	12/4/2017	10:42:20	0.000	0.000	0.000
119	12/4/2017	10:43:20	0.000	0.000	0.000
120	12/4/2017	10:44:20	0.000	0.000	0.000
121	12/4/2017	10:45:20	0.000	0.000	0.000
122	12/4/2017	10:46:20	0.000	0.000	0.000
123	12/4/2017	10:47:20	0.000	0.000	0.000
124	12/4/2017	10:48:20	0.000	0.000	0.000
125	12/4/2017	10:49:20	0.000	0.000	0.000
126	12/4/2017	10:50:20	0.000	0.000	0.000
127	12/4/2017	10:51:20	0.000	0.000	0.000
128	12/4/2017	10:52:20	0.000	0.000	0.000
129	12/4/2017	10:53:20	0.000	0.000	0.000
130	12/4/2017	10:54:20	0.000	0.000	0.000
131	12/4/2017	10:55:20	0.000	0.000	0.000
132	12/4/2017	10:56:20	0.000	0.000	0.000
133	12/4/2017	10:57:20	0.000	0.000	0.000
134	12/4/2017	10:58:20	0.000	0.000	0.000
135	12/4/2017	10:59:20	0.000	0.000	0.000
136	12/4/2017	11:00:20	0.000	0.000	0.000
137	12/4/2017	11:01:20	0.000	0.000	0.000
138	12/4/2017	11:02:20	0.000	0.000	0.000
139	12/4/2017	11:03:20	0.000	0.000	0.000
140	12/4/2017	11:04:20	0.000	0.000	0.000
141	12/4/2017	11:05:20	0.000	0.000	0.000
142	12/4/2017	11:06:20	0.000	0.000	0.000
143	12/4/2017	11:07:20	0.000	0.000	0.000
144	12/4/2017	11:08:20	0.000	0.000	0.000
145	12/4/2017	11:09:20	0.000	0.000	0.000
146	12/4/2017	11:10:20	0.000	0.000	0.000
147	12/4/2017	11:11:20	0.000	0.000	0.000
148	12/4/2017	11:12:20	0.000	0.000	0.000
149	12/4/2017	11:13:20	0.000	0.000	0.000
150	12/4/2017	11:14:20	0.000	0.000	0.000
151	12/4/2017	11:15:20	0.000	0.000	0.000
152	12/4/2017	11:16:20	0.000	0.000	0.000
153	12/4/2017	11:17:20	0.000	0.000	0.000
154	12/4/2017	11:18:20	0.000	0.000	0.000
155	12/4/2017	11:19:20	0.000	0.000	0.000

			Pine_24759_20180226		
156	12/4/2017	11:20:20	0.000	0.000	0.000
157	12/4/2017	11:21:20	0.000	0.000	0.000
158	12/4/2017	11:22:20	0.000	0.000	0.000
159	12/4/2017	11:23:20	0.000	0.000	0.000
160	12/4/2017	11:24:20	0.000	0.000	0.000
161	12/4/2017	11:25:20	0.000	0.000	0.000
162	12/4/2017	11:26:20	0.000	0.000	0.000
163	12/4/2017	11:27:20	0.000	0.000	0.000
164	12/4/2017	11:28:20	0.000	0.000	0.000
165	12/4/2017	11:29:20	0.000	0.000	0.000
166	12/4/2017	11:30:20	0.000	0.000	0.000
167	12/4/2017	11:31:20	0.000	0.000	0.000
168	12/4/2017	11:32:20	0.000	0.000	0.000
169	12/4/2017	11:33:20	0.000	0.000	0.000
170	12/4/2017	11:34:20	0.000	0.000	0.000
171	12/4/2017	11:35:20	0.000	0.000	0.000
172	12/4/2017	11:36:20	0.000	0.000	0.000
173	12/4/2017	11:37:20	0.000	0.000	0.000
174	12/4/2017	11:38:20	0.000	0.000	0.000
175	12/4/2017	11:39:20	0.000	0.000	0.000
176	12/4/2017	11:40:20	0.000	0.000	0.000
177	12/4/2017	11:41:20	0.000	0.000	0.000
178	12/4/2017	11:42:20	0.000	0.000	0.000
179	12/4/2017	11:43:20	0.000	0.000	0.000
180	12/4/2017	11:44:20	0.000	0.000	0.000
181	12/4/2017	11:45:20	0.000	0.000	0.000
182	12/4/2017	11:46:20	0.000	0.000	0.000
183	12/4/2017	11:47:20	0.000	0.000	0.000
184	12/4/2017	11:48:20	0.000	0.000	0.000
185	12/4/2017	11:49:20	0.000	0.000	0.000
186	12/4/2017	11:50:20	0.000	0.000	0.000
187	12/4/2017	11:51:20	0.000	0.000	0.000
188	12/4/2017	11:52:20	0.000	0.000	0.000
189	12/4/2017	11:53:20	0.000	0.000	0.000
190	12/4/2017	11:54:20	0.000	0.000	0.000
191	12/4/2017	11:55:20	0.000	0.000	0.000
192	12/4/2017	11:56:20	0.000	0.000	0.000
193	12/4/2017	11:57:20	0.000	0.000	0.000
194	12/4/2017	11:58:20	0.000	0.000	0.000
195	12/4/2017	11:59:20	0.000	0.000	0.000
196	12/4/2017	12:00:20	0.000	0.000	0.000
197	12/4/2017	12:01:20	0.000	0.000	0.000
198	12/4/2017	12:02:20	0.000	0.000	0.000
199	12/4/2017	12:03:20	0.000	0.000	0.000
200	12/4/2017	12:04:20	0.000	0.000	0.000
201	12/4/2017	12:05:20	0.000	0.000	0.000
202	12/4/2017	12:06:20	0.000	0.000	0.000
203	12/4/2017	12:07:20	0.000	0.000	0.000

			Pine_24759_20180226		
204	12/4/2017	12:08:20	0.000	0.000	0.000
205	12/4/2017	12:09:20	0.000	0.000	0.000
206	12/4/2017	12:10:20	0.000	0.000	0.000
207	12/4/2017	12:11:20	0.000	0.000	0.000
208	12/4/2017	12:12:20	0.000	0.000	0.000
209	12/4/2017	12:13:20	0.000	0.000	0.000
210	12/4/2017	12:14:20	0.000	0.000	0.000
211	12/4/2017	12:15:20	0.000	0.000	0.000
212	12/4/2017	12:16:20	0.000	0.000	0.000
213	12/4/2017	12:17:20	0.000	0.000	0.000
214	12/4/2017	12:18:20	0.000	0.000	0.000
215	12/4/2017	12:19:20	0.000	0.000	0.000
216	12/4/2017	12:20:20	0.000	0.000	0.000
217	12/4/2017	12:21:20	0.000	0.000	0.000
218	12/4/2017	12:22:20	0.000	0.000	0.000
219	12/4/2017	12:23:20	0.000	0.000	0.000
220	12/4/2017	12:24:20	0.000	0.000	0.000
221	12/4/2017	12:25:20	0.000	0.000	0.000
222	12/4/2017	12:26:20	0.000	0.000	0.000
223	12/4/2017	12:27:20	0.000	0.000	0.000
224	12/4/2017	12:28:20	0.000	0.000	0.000
225	12/4/2017	12:29:20	0.000	0.000	0.000
226	12/4/2017	12:30:20	0.000	0.000	0.000
227	12/4/2017	12:31:20	0.000	0.000	0.000
228	12/4/2017	12:32:20	0.000	0.000	0.000
229	12/4/2017	12:33:20	0.000	0.000	0.000
230	12/4/2017	12:34:20	0.000	0.000	0.000
231	12/4/2017	12:35:20	0.000	0.000	0.000
232	12/4/2017	12:36:20	0.000	0.000	0.000
233	12/4/2017	12:37:20	0.000	0.000	0.000
234	12/4/2017	12:38:20	0.000	0.000	0.000
235	12/4/2017	12:39:20	0.000	0.000	0.000
236	12/4/2017	12:40:20	0.000	0.000	0.000
237	12/4/2017	12:41:20	0.000	0.000	0.000
238	12/4/2017	12:42:20	0.000	0.000	0.000
239	12/4/2017	12:43:20	0.000	0.000	0.000
240	12/4/2017	12:44:20	0.000	0.000	0.000
241	12/4/2017	12:45:20	0.000	0.000	0.000
242	12/4/2017	12:46:20	0.000	0.000	0.000
243	12/4/2017	12:47:20	0.000	0.000	0.000
244	12/4/2017	12:48:20	0.000	0.000	0.000
245	12/4/2017	12:49:20	0.000	0.000	0.000
246	12/4/2017	12:50:20	0.000	0.000	0.000
247	12/4/2017	12:51:20	0.000	0.000	0.000
248	12/4/2017	12:52:20	0.000	0.000	0.000
249	12/4/2017	12:53:20	0.000	0.000	0.000
250	12/4/2017	12:54:20	0.000	0.000	0.000
251	12/4/2017	12:55:20	0.000	0.000	0.000

			Pine_24759_20180226		
252	12/4/2017	12:56:20	0.000	0.000	0.000
253	12/4/2017	12:57:20	0.000	0.000	0.000
254	12/4/2017	12:58:20	0.000	0.000	0.000
255	12/4/2017	12:59:20	0.000	0.000	0.000
256	12/4/2017	13:00:20	0.000	0.000	0.000
257	12/4/2017	13:01:20	0.000	0.000	0.000
258	12/4/2017	13:02:20	0.000	0.000	0.000
259	12/4/2017	13:03:20	0.000	0.000	0.000
260	12/4/2017	13:04:20	0.000	0.000	0.000
261	12/4/2017	13:05:20	0.000	0.000	0.000
262	12/4/2017	13:06:20	0.000	0.000	0.000
263	12/4/2017	13:07:20	0.000	0.000	0.000
264	12/4/2017	13:08:20	0.000	0.000	0.000
265	12/4/2017	13:09:20	0.000	0.000	0.000
266	12/4/2017	13:10:20	0.000	0.000	0.000
267	12/4/2017	13:11:20	0.000	0.000	0.000
268	12/4/2017	13:12:20	0.000	0.000	0.000
269	12/4/2017	13:13:20	0.000	0.000	0.000
270	12/4/2017	13:14:20	0.000	0.000	0.000
271	12/4/2017	13:15:20	0.000	0.000	0.000
272	12/4/2017	13:16:20	0.000	0.000	0.000
273	12/4/2017	13:17:20	0.000	0.000	0.000
274	12/4/2017	13:18:20	0.000	0.000	0.000
275	12/4/2017	13:19:20	0.000	0.000	0.000
276	12/4/2017	13:20:20	0.000	0.000	0.000
277	12/4/2017	13:21:20	0.000	0.000	0.000
278	12/4/2017	13:22:20	0.000	0.000	0.000
279	12/4/2017	13:23:20	0.000	0.000	0.000
280	12/4/2017	13:24:20	0.000	0.000	0.000
281	12/4/2017	13:25:20	0.000	0.000	0.000
282	12/4/2017	13:26:20	0.000	0.000	0.000
283	12/4/2017	13:27:20	0.000	0.000	0.000
284	12/4/2017	13:28:20	0.000	0.000	0.000
285	12/4/2017	13:29:20	0.000	0.000	0.000
286	12/4/2017	13:30:20	0.000	0.000	0.000
287	12/4/2017	13:31:20	0.000	0.000	0.000
288	12/4/2017	13:32:20	0.000	0.000	0.000
289	12/4/2017	13:33:20	0.000	0.000	0.000
290	12/4/2017	13:34:20	0.000	0.000	0.000
291	12/4/2017	13:35:20	0.000	0.000	0.000
292	12/4/2017	13:36:20	0.000	0.000	0.000
293	12/4/2017	13:37:20	0.000	0.000	0.000
294	12/4/2017	13:38:20	0.000	0.000	0.000
295	12/4/2017	13:39:20	0.000	0.000	0.000
296	12/4/2017	13:40:20	0.000	0.000	0.000
297	12/4/2017	13:41:20	0.000	0.000	0.000
298	12/4/2017	13:42:20	0.000	0.000	0.000
299	12/4/2017	13:43:20	0.000	0.000	0.000

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300	12/4/2017	13:44:20	0.000	0.000	0.000
301	12/4/2017	13:45:20	0.000	0.000	0.000
302	12/4/2017	13:46:20	0.000	0.000	0.000
303	12/4/2017	13:47:20	0.000	0.000	0.000
304	12/4/2017	13:48:20	0.000	0.000	0.000
305	12/4/2017	13:49:20	0.000	0.000	0.000
306	12/4/2017	13:50:20	0.000	0.000	0.000
307	12/4/2017	13:51:20	0.000	0.000	0.000
308	12/4/2017	13:52:20	0.000	0.000	0.000
309	12/4/2017	13:53:20	0.000	0.000	0.000
310	12/4/2017	13:54:20	0.000	0.000	0.000
311	12/4/2017	13:55:20	0.000	0.000	0.000
312	12/4/2017	13:56:20	0.000	0.000	0.000
313	12/4/2017	13:57:20	0.000	0.000	0.000
314	12/4/2017	13:58:20	0.000	0.000	0.000
315	12/4/2017	13:59:20	0.000	0.000	0.000
316	12/4/2017	14:00:20	0.000	0.000	0.000
317	12/4/2017	14:01:20	0.000	0.000	0.000
318	12/4/2017	14:02:20	0.000	0.000	0.000
319	12/4/2017	14:03:20	0.000	0.000	0.000
320	12/4/2017	14:04:20	0.000	0.000	0.000
321	12/4/2017	14:05:20	0.000	0.000	0.000
322	12/4/2017	14:06:20	0.000	0.000	0.000
323	12/4/2017	14:07:20	0.000	0.000	0.000
324	12/4/2017	14:08:20	0.000	0.000	0.000
325	12/4/2017	14:09:20	0.000	0.000	0.000
326	12/4/2017	14:10:20	0.000	0.000	0.000
327	12/4/2017	14:11:20	0.000	0.000	0.000
328	12/4/2017	14:12:20	0.000	0.000	0.000
329	12/4/2017	14:13:20	0.000	0.000	0.000
330	12/4/2017	14:14:20	0.000	0.000	0.000
331	12/4/2017	14:15:20	0.000	0.000	0.000
332	12/4/2017	14:16:20	0.000	0.000	0.000
333	12/4/2017	14:17:20	0.000	0.000	0.000
334	12/4/2017	14:18:20	0.000	0.000	0.000
335	12/4/2017	14:19:20	0.000	0.000	0.000
336	12/4/2017	14:20:20	0.000	0.000	0.000
337	12/4/2017	14:21:20	0.000	0.000	0.000
338	12/4/2017	14:22:20	0.000	0.000	0.000
339	12/4/2017	14:23:20	0.000	0.000	0.000
340	12/4/2017	14:24:20	0.000	0.000	0.000
341	12/4/2017	14:25:20	0.000	0.000	0.000
342	12/4/2017	14:26:20	0.000	0.000	0.000
343	12/4/2017	14:27:20	0.000	0.000	0.000
344	12/4/2017	14:28:20	0.000	0.000	0.000
345	12/4/2017	14:29:20	0.000	0.000	0.000
346	12/4/2017	14:30:20	0.000	0.000	0.000
347	12/4/2017	14:31:20	0.000	0.000	0.000

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348	12/4/2017	14:32:20	0.000	0.000	0.000
349	12/4/2017	14:33:20	0.000	0.000	0.000
350	12/4/2017	14:34:20	0.000	0.000	0.000
351	12/4/2017	14:35:20	0.000	0.000	0.000
352	12/4/2017	14:36:20	0.000	0.000	0.000
353	12/4/2017	14:37:20	0.000	0.000	0.000
354	12/4/2017	14:38:20	0.000	0.000	0.000
355	12/4/2017	14:39:20	0.000	0.000	0.000
356	12/4/2017	14:40:20	0.000	0.000	0.000
357	12/4/2017	14:41:20	0.000	0.000	0.000
358	12/4/2017	14:42:20	0.000	0.000	0.000
359	12/4/2017	14:43:20	0.000	0.000	0.000
360	12/4/2017	14:44:20	0.000	0.000	0.000
361	12/4/2017	14:45:20	0.000	0.000	0.000
362	12/4/2017	14:46:20	0.000	0.000	0.000
363	12/4/2017	14:47:20	0.000	0.000	0.000
364	12/4/2017	14:48:20	0.000	0.000	0.000
365	12/4/2017	14:49:20	0.000	0.000	0.000
366	12/4/2017	14:50:20	0.000	0.000	0.000
367	12/4/2017	14:51:20	0.000	0.000	0.000
368	12/4/2017	14:52:20	0.000	0.000	0.000
369	12/4/2017	14:53:20	0.000	0.000	0.000
370	12/4/2017	14:54:20	0.000	0.000	0.000
371	12/4/2017	14:55:20	0.000	0.000	0.000
372	12/4/2017	14:56:20	0.000	0.000	0.000
373	12/4/2017	14:57:20	0.000	0.000	0.000
374	12/4/2017	14:58:20	0.000	0.000	0.000
375	12/4/2017	14:59:20	0.000	0.000	0.000
376	12/4/2017	15:00:20	0.000	0.000	0.000
377	12/4/2017	15:01:20	0.000	0.000	0.000
378	12/4/2017	15:02:20	0.000	0.000	0.000
379	12/4/2017	15:03:20	0.000	0.000	0.000
380	12/4/2017	15:04:20	0.000	0.000	0.000
381	12/4/2017	15:05:20	0.000	0.000	0.000
382	12/4/2017	15:06:20	0.000	0.000	0.000
383	12/4/2017	15:07:20	0.000	0.000	0.000
384	12/4/2017	15:08:20	0.000	0.000	0.000
385	12/4/2017	15:09:20	0.000	0.000	0.000
386	12/4/2017	15:10:20	0.000	0.000	0.000
387	12/4/2017	15:11:20	0.000	0.000	0.000
388	12/4/2017	15:12:20	0.000	0.000	0.000
389	12/4/2017	15:13:20	0.000	0.000	0.000
390	12/4/2017	15:14:20	0.000	0.000	0.000
391	12/4/2017	15:15:20	0.000	0.000	0.000
392	12/4/2017	15:16:20	0.000	0.000	0.000
393	12/4/2017	15:17:20	0.000	0.000	0.000
394	12/4/2017	15:18:20	0.000	0.000	0.000
395	12/4/2017	15:19:20	0.000	0.000	0.000

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396	12/4/2017	15:20:20	0.000	0.000	0.000
397	12/4/2017	15:21:20	0.000	0.000	0.000
398	12/4/2017	15:22:20	0.000	0.000	0.000
399	12/4/2017	15:23:20	0.000	0.000	0.000
400	12/4/2017	15:24:20	0.000	0.000	0.000
401	12/4/2017	15:25:20	0.000	0.000	0.000
402	12/4/2017	15:26:20	0.000	0.000	0.000
403	12/4/2017	15:27:20	0.000	0.000	0.000
404	12/4/2017	15:28:20	0.000	0.000	0.000
405	12/4/2017	15:29:20	0.000	0.000	0.000
406	12/4/2017	15:30:20	0.000	0.000	0.000
407	12/4/2017	15:31:20	0.000	0.000	0.000
408	12/4/2017	15:32:20	0.000	0.000	0.000
409	12/4/2017	15:33:20	0.000	0.000	0.000
410	12/4/2017	15:34:20	0.000	0.000	0.000
411	12/4/2017	15:35:20	0.000	0.000	0.000
412	12/4/2017	15:36:20	0.000	0.000	0.000
413	12/4/2017	15:37:20	0.000	0.000	0.000
414	12/4/2017	15:38:20	0.000	0.000	0.000
415	12/4/2017	15:39:20	0.000	0.000	0.000
416	12/4/2017	15:40:20	0.000	0.000	0.000
417	12/4/2017	15:41:20	0.000	0.000	0.000
418	12/4/2017	15:42:20	0.000	0.000	0.000
419	12/4/2017	15:43:20	0.000	0.000	0.000
420	12/4/2017	15:44:20	0.000	0.000	0.000
421	12/4/2017	15:45:20	0.000	0.000	0.000
422	12/4/2017	15:46:20	0.000	0.000	0.000
423	12/4/2017	15:47:20	0.000	0.000	0.000
424	12/4/2017	15:48:20	0.000	0.000	0.000
425	12/4/2017	15:49:20	0.000	0.000	0.000
426	12/4/2017	15:50:20	0.000	0.000	0.000
427	12/4/2017	15:51:20	0.000	0.000	0.000
428	12/4/2017	15:52:20	0.000	0.000	0.000
429	12/4/2017	15:53:20	0.000	0.000	0.000
430	12/4/2017	15:54:20	0.000	0.000	0.000
431	12/4/2017	15:55:20	0.000	0.000	0.000
432	12/4/2017	15:56:20	0.000	0.000	0.000
433	12/4/2017	15:57:20	0.000	0.000	0.000
434	12/4/2017	15:58:20	0.000	0.000	0.000
435	12/4/2017	15:59:20	0.000	0.000	0.000
436	12/4/2017	16:00:20	0.000	0.000	0.000
437	12/4/2017	16:01:20	0.000	0.000	0.000
438	12/4/2017	16:02:20	0.000	0.000	0.000
439	12/4/2017	16:03:20	0.000	0.000	0.000
440	12/4/2017	16:04:20	0.000	0.000	0.000
441	12/4/2017	16:05:20	0.000	0.000	0.000
442	12/4/2017	16:06:20	0.000	0.000	0.000
443	12/4/2017	16:07:20	0.000	0.000	0.000

			Pine_24759_20180226		
444	12/4/2017	16:08:20	0.000	0.000	0.000
445	12/4/2017	16:09:20	0.000	0.000	0.000
446	12/4/2017	16:10:20	0.000	0.000	0.000
447	12/4/2017	16:11:20	0.000	0.000	0.000
448	12/4/2017	16:12:20	0.000	0.000	0.000
449	12/4/2017	16:13:20	0.000	0.000	0.000
450	12/4/2017	16:14:20	0.000	0.000	0.000
451	12/4/2017	16:15:20	0.000	0.000	0.000
452	12/4/2017	16:16:20	0.000	0.000	0.000
453	12/4/2017	16:17:20	0.000	0.000	0.003
454	12/4/2017	16:18:20	0.000	0.007	0.047
455	12/4/2017	16:19:20	0.000	0.000	0.000
456	12/4/2017	16:20:20	0.000	0.000	0.000
457	12/4/2017	16:21:20	0.000	0.000	0.000
458	12/4/2017	16:22:20	0.000	0.000	0.000
459	12/4/2017	16:23:20	0.000	0.000	0.000
460	12/4/2017	16:24:20	0.000	0.000	0.000
461	12/4/2017	16:25:20	0.000	0.000	0.000
462	12/4/2017	16:26:20	0.000	0.000	0.000
463	12/4/2017	16:27:20	0.000	0.000	0.000
464	12/4/2017	16:28:20	0.000	0.000	0.000
465	12/4/2017	16:29:20	0.000	0.000	0.000
466	12/4/2017	16:30:20	0.000	0.000	0.000
467	12/4/2017	16:31:20	0.000	0.014	0.190
468	12/4/2017	16:32:20	0.000	0.003	0.115
469	12/4/2017	16:33:20	0.000	0.000	0.000
470	12/4/2017	16:34:20	0.000	0.000	0.000
471	12/4/2017	16:35:20	0.000	0.000	0.000
472	12/4/2017	16:36:20	0.000	0.000	0.000
473	12/4/2017	16:37:20	0.000	0.000	0.000
474	12/4/2017	16:38:20	0.000	0.000	0.000
475	12/4/2017	16:39:20	0.000	0.000	0.000
476	12/4/2017	16:40:20	0.000	0.000	0.000
477	12/4/2017	16:41:20	0.000	0.000	0.000
478	12/4/2017	16:42:20	0.000	0.000	0.000
479	12/4/2017	16:43:20	0.000	0.000	0.000
480	12/4/2017	16:44:20	0.000	0.000	0.000
481	12/4/2017	16:45:20	0.000	0.000	0.000
482	12/4/2017	16:46:20	0.000	0.000	0.024
483	12/4/2017	16:47:20	0.000	0.001	0.031
484	12/4/2017	16:48:20	0.000	0.000	0.000
485	12/4/2017	16:49:20	0.000	0.000	0.000
486	12/4/2017	16:50:20	0.000	0.000	0.000
487	12/4/2017	16:51:20	0.000	0.000	0.000
488	12/4/2017	16:52:20	0.000	0.000	0.000
489	12/4/2017	16:53:20	0.000	0.000	0.000
490	12/4/2017	16:54:20	0.000	0.000	0.000
491	12/4/2017	16:55:20	0.000	0.000	0.000

			Pine_24759_20180226		
492	12/4/2017	16:56:20	0.000	0.000	0.000
493	12/4/2017	16:57:20	0.000	0.000	0.000
494	12/4/2017	16:58:20	0.000	0.000	0.000
495	12/4/2017	16:59:20	0.000	0.000	0.000
496	12/4/2017	17:00:20	0.000	0.000	0.000
497	12/4/2017	17:01:20	0.000	0.000	0.000
498	12/4/2017	17:02:20	0.000	0.000	0.000
499	12/4/2017	17:03:20	0.000	0.000	0.000
500	12/4/2017	17:04:20	0.000	0.000	0.000
501	12/4/2017	17:05:20	0.000	0.000	0.000
502	12/4/2017	17:06:20	0.000	0.000	0.000
503	12/4/2017	17:07:20	0.000	0.000	0.000
504	12/4/2017	17:08:20	0.000	0.000	0.000
505	12/4/2017	17:09:20	0.000	0.000	0.000
506	12/4/2017	17:10:20	0.000	0.000	0.000
507	12/4/2017	17:11:20	0.000	0.000	0.000
Peak		0.095	0.103	0.190	
Min		0.000	0.000	0.000	
Average		0.003	0.003	0.004	

=====

17/12/05 08:56

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID 00000001

Begin 12/5/2017 08:56:01

End 12/5/2017 16:52:10

Sample Period(s) 60

Number of Records 476

Sensor VOC(ppm)

Span 100.000

Span 2 N/A

Low Alarm 50.000

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High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	12/5/2017 08:57:01	0.000	0.000	0.000	0.000
002	12/5/2017 08:58:01	0.000	0.000	0.000	0.000
003	12/5/2017 08:59:01	0.000	0.000	0.000	0.000
004	12/5/2017 09:00:01	0.000	0.000	0.000	0.000
005	12/5/2017 09:01:01	0.000	0.000	0.000	0.000
006	12/5/2017 09:02:01	0.000	0.000	0.000	0.000
007	12/5/2017 09:03:01	0.000	0.000	0.000	0.000
008	12/5/2017 09:04:01	0.000	0.000	0.000	0.000
009	12/5/2017 09:05:01	0.000	0.000	0.000	0.000
010	12/5/2017 09:06:01	0.000	0.000	0.000	0.000
011	12/5/2017 09:07:01	0.000	0.000	0.000	0.000
012	12/5/2017 09:08:01	0.000	0.000	0.000	0.000
013	12/5/2017 09:09:01	0.000	0.000	0.000	0.000
014	12/5/2017 09:10:01	0.000	0.000	0.000	0.000
015	12/5/2017 09:11:01	0.000	0.000	0.000	0.000
016	12/5/2017 09:12:01	0.000	0.000	0.000	0.000
017	12/5/2017 09:13:01	0.000	0.000	0.000	0.000
018	12/5/2017 09:14:01	0.000	0.000	0.000	0.000
019	12/5/2017 09:15:01	0.000	0.000	0.000	0.000
020	12/5/2017 09:16:01	0.000	0.000	0.000	0.000
021	12/5/2017 09:17:01	0.000	0.000	0.000	0.000
022	12/5/2017 09:18:01	0.000	0.000	0.000	0.000
023	12/5/2017 09:19:01	0.000	0.000	0.000	0.000
024	12/5/2017 09:20:01	0.000	0.000	0.000	0.000
025	12/5/2017 09:21:01	0.000	0.000	0.000	0.000
026	12/5/2017 09:22:01	0.000	0.000	0.000	0.000
027	12/5/2017 09:23:01	0.000	0.000	0.000	0.000
028	12/5/2017 09:24:01	0.000	0.000	0.000	0.000
029	12/5/2017 09:25:01	0.000	0.000	0.000	0.000
030	12/5/2017 09:26:01	0.000	0.000	0.000	0.000
031	12/5/2017 09:27:01	0.000	0.000	0.000	0.000
032	12/5/2017 09:28:01	0.000	0.000	0.000	0.000
033	12/5/2017 09:29:01	0.000	0.000	0.000	0.000
034	12/5/2017 09:30:01	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
035	12/5/2017	09:31:01	0.000	0.000	0.000
036	12/5/2017	09:32:01	0.000	0.000	0.000
037	12/5/2017	09:33:01	0.000	0.000	0.000
038	12/5/2017	09:34:01	0.000	0.000	0.000
039	12/5/2017	09:35:01	0.000	0.000	0.000
040	12/5/2017	09:36:01	0.000	0.000	0.000
041	12/5/2017	09:37:01	0.000	0.000	0.000
042	12/5/2017	09:38:01	0.000	0.029	0.443
043	12/5/2017	09:39:01	0.000	0.000	0.000
044	12/5/2017	09:40:01	0.000	0.000	0.000
045	12/5/2017	09:41:01	0.000	0.000	0.000
046	12/5/2017	09:42:01	0.000	0.000	0.000
047	12/5/2017	09:43:01	0.000	0.000	0.000
048	12/5/2017	09:44:01	0.000	0.000	0.000
049	12/5/2017	09:45:01	0.000	0.000	0.000
050	12/5/2017	09:46:01	0.000	0.000	0.000
051	12/5/2017	09:47:01	0.000	0.000	0.000
052	12/5/2017	09:48:01	0.000	0.000	0.000
053	12/5/2017	09:49:01	0.000	0.000	0.000
054	12/5/2017	09:50:01	0.000	0.000	0.000
055	12/5/2017	09:51:01	0.000	0.000	0.000
056	12/5/2017	09:52:01	0.000	0.000	0.000
057	12/5/2017	09:53:01	0.000	0.000	0.000
058	12/5/2017	09:54:01	0.000	0.000	0.000
059	12/5/2017	09:55:01	0.000	0.000	0.000
060	12/5/2017	09:56:01	0.000	0.000	0.000
061	12/5/2017	09:57:01	0.000	0.000	0.000
062	12/5/2017	09:58:01	0.000	0.000	0.000
063	12/5/2017	09:59:01	0.000	0.000	0.000
064	12/5/2017	10:00:01	0.000	0.000	0.000
065	12/5/2017	10:01:01	0.000	0.000	0.000
066	12/5/2017	10:02:01	0.000	0.000	0.000
067	12/5/2017	10:03:01	0.000	0.000	0.000
068	12/5/2017	10:04:01	0.000	0.000	0.000
069	12/5/2017	10:05:01	0.000	0.000	0.000
070	12/5/2017	10:06:01	0.000	0.000	0.000
071	12/5/2017	10:07:01	0.000	0.000	0.000
072	12/5/2017	10:08:01	0.000	0.000	0.000
073	12/5/2017	10:09:01	0.000	0.000	0.000
074	12/5/2017	10:10:01	0.000	0.000	0.000
075	12/5/2017	10:11:01	0.000	0.000	0.000
076	12/5/2017	10:12:01	0.000	0.000	0.000
077	12/5/2017	10:13:01	0.000	0.000	0.000
078	12/5/2017	10:14:01	0.000	0.000	0.000
079	12/5/2017	10:15:01	0.000	0.000	0.000
080	12/5/2017	10:16:01	0.000	0.000	0.000
081	12/5/2017	10:17:01	0.000	0.000	0.000
082	12/5/2017	10:18:01	0.000	0.000	0.000

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083	12/5/2017 10:19:01	0.000	0.000	0.000
084	12/5/2017 10:20:01	0.000	0.000	0.000
085	12/5/2017 10:21:01	0.000	0.000	0.000
086	12/5/2017 10:22:01	0.000	0.000	0.000
087	12/5/2017 10:23:01	0.000	0.000	0.000
088	12/5/2017 10:24:01	0.000	0.000	0.000
089	12/5/2017 10:25:01	0.000	0.000	0.000
090	12/5/2017 10:26:01	0.000	0.000	0.000
091	12/5/2017 10:27:01	0.000	0.000	0.000
092	12/5/2017 10:28:01	0.000	0.000	0.000
093	12/5/2017 10:29:01	0.000	0.000	0.000
094	12/5/2017 10:30:01	0.000	0.000	0.000
095	12/5/2017 10:31:01	0.000	0.000	0.000
096	12/5/2017 10:32:01	0.000	0.000	0.000
097	12/5/2017 10:33:01	0.000	0.000	0.000
098	12/5/2017 10:34:01	0.000	0.000	0.000
099	12/5/2017 10:35:01	0.000	0.000	0.000
100	12/5/2017 10:36:01	0.000	0.000	0.000
101	12/5/2017 10:37:01	0.000	0.000	0.000
102	12/5/2017 10:38:01	0.000	0.000	0.000
103	12/5/2017 10:39:01	0.000	0.000	0.000
104	12/5/2017 10:40:01	0.000	0.000	0.000
105	12/5/2017 10:41:01	0.000	0.000	0.000
106	12/5/2017 10:42:01	0.000	0.000	0.000
107	12/5/2017 10:43:01	0.000	0.000	0.000
108	12/5/2017 10:44:01	0.000	0.000	0.000
109	12/5/2017 10:45:01	0.000	0.000	0.000
110	12/5/2017 10:46:01	0.000	0.000	0.000
111	12/5/2017 10:47:01	0.000	0.000	0.000
112	12/5/2017 10:48:01	0.000	0.000	0.000
113	12/5/2017 10:49:01	0.000	0.000	0.000
114	12/5/2017 10:50:01	0.000	0.000	0.000
115	12/5/2017 10:51:01	0.000	0.000	0.000
116	12/5/2017 10:52:01	0.000	0.000	0.000
117	12/5/2017 10:53:01	0.000	0.000	0.000
118	12/5/2017 10:54:01	0.000	0.000	0.000
119	12/5/2017 10:55:01	0.000	0.000	0.000
120	12/5/2017 10:56:01	0.000	0.000	0.000
121	12/5/2017 10:57:01	0.000	0.000	0.000
122	12/5/2017 10:58:01	0.000	0.000	0.000
123	12/5/2017 10:59:01	0.000	0.000	0.000
124	12/5/2017 11:00:01	0.000	0.000	0.000
125	12/5/2017 11:01:01	0.000	0.000	0.000
126	12/5/2017 11:02:01	0.000	0.000	0.000
127	12/5/2017 11:03:01	0.000	0.000	0.000
128	12/5/2017 11:04:01	0.000	0.000	0.000
129	12/5/2017 11:05:01	0.000	0.000	0.000
130	12/5/2017 11:06:01	0.000	0.000	0.000

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131	12/5/2017	11:07:01	0.000	0.000	0.000
132	12/5/2017	11:08:01	0.000	0.000	0.000
133	12/5/2017	11:09:01	0.000	0.000	0.000
134	12/5/2017	11:10:01	0.000	0.000	0.000
135	12/5/2017	11:11:01	0.000	0.000	0.000
136	12/5/2017	11:12:01	0.000	0.000	0.000
137	12/5/2017	11:13:01	0.000	0.000	0.000
138	12/5/2017	11:14:01	0.000	0.000	0.000
139	12/5/2017	11:15:01	0.000	0.000	0.000
140	12/5/2017	11:16:01	0.000	0.000	0.000
141	12/5/2017	11:17:01	0.000	0.000	0.000
142	12/5/2017	11:18:01	0.000	0.000	0.000
143	12/5/2017	11:19:01	0.000	0.000	0.000
144	12/5/2017	11:20:01	0.000	0.000	0.000
145	12/5/2017	11:21:01	0.000	0.000	0.000
146	12/5/2017	11:22:01	0.000	0.000	0.000
147	12/5/2017	11:23:01	0.000	0.000	0.000
148	12/5/2017	11:24:01	0.000	0.000	0.000
149	12/5/2017	11:25:01	0.000	0.000	0.000
150	12/5/2017	11:26:01	0.000	0.000	0.000
151	12/5/2017	11:27:01	0.000	0.000	0.000
152	12/5/2017	11:28:01	0.000	0.000	0.000
153	12/5/2017	11:29:01	0.000	0.000	0.000
154	12/5/2017	11:30:01	0.000	0.000	0.000
155	12/5/2017	11:31:01	0.000	0.000	0.000
156	12/5/2017	11:32:01	0.000	0.000	0.000
157	12/5/2017	11:33:01	0.000	0.000	0.000
158	12/5/2017	11:34:01	0.000	0.000	0.000
159	12/5/2017	11:35:01	0.000	0.000	0.000
160	12/5/2017	11:36:01	0.000	0.000	0.000
161	12/5/2017	11:37:01	0.000	0.000	0.000
162	12/5/2017	11:38:01	0.000	0.000	0.000
163	12/5/2017	11:39:01	0.000	0.000	0.000
164	12/5/2017	11:40:01	0.000	0.000	0.000
165	12/5/2017	11:41:01	0.000	0.000	0.000
166	12/5/2017	11:42:01	0.000	0.000	0.000
167	12/5/2017	11:43:01	0.000	0.000	0.000
168	12/5/2017	11:44:01	0.000	0.000	0.000
169	12/5/2017	11:45:01	0.000	0.000	0.000
170	12/5/2017	11:46:01	0.000	0.000	0.000
171	12/5/2017	11:47:01	0.000	0.000	0.000
172	12/5/2017	11:48:01	0.000	0.000	0.000
173	12/5/2017	11:49:01	0.000	0.000	0.000
174	12/5/2017	11:50:01	0.000	0.000	0.000
175	12/5/2017	11:51:01	0.000	0.000	0.000
176	12/5/2017	11:52:01	0.000	0.000	0.000
177	12/5/2017	11:53:01	0.000	0.000	0.000
178	12/5/2017	11:54:01	0.000	0.000	0.000

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179	12/5/2017	11:55:01	0.000	0.000	0.000
180	12/5/2017	11:56:01	0.000	0.000	0.000
181	12/5/2017	11:57:01	0.000	0.000	0.000
182	12/5/2017	11:58:01	0.000	0.000	0.000
183	12/5/2017	11:59:01	0.000	0.000	0.000
184	12/5/2017	12:00:01	0.000	0.000	0.000
185	12/5/2017	12:01:01	0.000	0.000	0.000
186	12/5/2017	12:02:01	0.000	0.000	0.000
187	12/5/2017	12:03:01	0.000	0.000	0.000
188	12/5/2017	12:04:01	0.000	0.000	0.000
189	12/5/2017	12:05:01	0.000	0.000	0.000
190	12/5/2017	12:06:01	0.000	0.000	0.000
191	12/5/2017	12:07:01	0.000	0.000	0.000
192	12/5/2017	12:08:01	0.000	0.000	0.000
193	12/5/2017	12:09:01	0.000	0.000	0.000
194	12/5/2017	12:10:01	0.000	0.000	0.000
195	12/5/2017	12:11:01	0.000	0.000	0.000
196	12/5/2017	12:12:01	0.000	0.000	0.000
197	12/5/2017	12:13:01	0.000	0.000	0.000
198	12/5/2017	12:14:01	0.000	0.000	0.000
199	12/5/2017	12:15:01	0.000	0.000	0.000
200	12/5/2017	12:16:01	0.000	0.000	0.000
201	12/5/2017	12:17:01	0.000	0.000	0.000
202	12/5/2017	12:18:01	0.000	0.000	0.000
203	12/5/2017	12:19:01	0.000	0.000	0.000
204	12/5/2017	12:20:01	0.000	0.000	0.000
205	12/5/2017	12:21:01	0.000	0.000	0.000
206	12/5/2017	12:22:01	0.000	0.000	0.000
207	12/5/2017	12:23:01	0.000	0.000	0.000
208	12/5/2017	12:24:01	0.000	0.000	0.000
209	12/5/2017	12:25:01	0.000	0.000	0.000
210	12/5/2017	12:26:01	0.000	0.000	0.000
211	12/5/2017	12:27:01	0.000	0.000	0.000
212	12/5/2017	12:28:01	0.000	0.000	0.000
213	12/5/2017	12:29:01	0.000	0.000	0.000
214	12/5/2017	12:30:01	0.000	0.000	0.000
215	12/5/2017	12:31:01	0.000	0.000	0.000
216	12/5/2017	12:32:01	0.000	0.000	0.000
217	12/5/2017	12:33:01	0.000	0.000	0.000
218	12/5/2017	12:34:01	0.000	0.000	0.000
219	12/5/2017	12:35:01	0.000	0.000	0.000
220	12/5/2017	12:36:01	0.000	0.000	0.000
221	12/5/2017	12:37:01	0.000	0.000	0.000
222	12/5/2017	12:38:01	0.000	0.000	0.000
223	12/5/2017	12:39:01	0.000	0.000	0.000
224	12/5/2017	12:40:01	0.000	0.000	0.000
225	12/5/2017	12:41:01	0.000	0.000	0.000
226	12/5/2017	12:42:01	0.000	0.000	0.000

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227	12/5/2017	12:43:01	0.000	0.000	0.000
228	12/5/2017	12:44:01	0.000	0.000	0.000
229	12/5/2017	12:45:01	0.000	0.000	0.000
230	12/5/2017	12:46:01	0.000	0.000	0.000
231	12/5/2017	12:47:01	0.000	0.000	0.000
232	12/5/2017	12:48:01	0.000	0.000	0.000
233	12/5/2017	12:49:01	0.000	0.000	0.000
234	12/5/2017	12:50:01	0.000	0.000	0.000
235	12/5/2017	12:51:01	0.000	0.000	0.000
236	12/5/2017	12:52:01	0.000	0.000	0.000
237	12/5/2017	12:53:01	0.000	0.000	0.000
238	12/5/2017	12:54:01	0.000	0.000	0.000
239	12/5/2017	12:55:01	0.000	0.000	0.000
240	12/5/2017	12:56:01	0.000	0.000	0.000
241	12/5/2017	12:57:01	0.000	0.000	0.000
242	12/5/2017	12:58:01	0.000	0.000	0.000
243	12/5/2017	12:59:01	0.000	0.000	0.000
244	12/5/2017	13:00:01	0.000	0.000	0.000
245	12/5/2017	13:01:01	0.000	0.035	0.447
246	12/5/2017	13:02:01	0.000	0.000	0.000
247	12/5/2017	13:03:01	0.000	0.000	0.000
248	12/5/2017	13:04:01	0.000	0.000	0.000
249	12/5/2017	13:05:01	0.000	0.000	0.000
250	12/5/2017	13:06:01	0.000	0.000	0.000
251	12/5/2017	13:07:01	0.000	0.000	0.000
252	12/5/2017	13:08:01	0.000	0.000	0.000
253	12/5/2017	13:09:01	0.000	0.000	0.000
254	12/5/2017	13:10:01	0.000	0.000	0.000
255	12/5/2017	13:11:01	0.000	0.000	0.000
256	12/5/2017	13:12:01	0.000	0.000	0.000
257	12/5/2017	13:13:01	0.000	0.000	0.000
258	12/5/2017	13:14:01	0.000	0.000	0.000
259	12/5/2017	13:15:01	0.000	0.000	0.000
260	12/5/2017	13:16:01	0.000	0.000	0.000
261	12/5/2017	13:17:01	0.000	0.000	0.000
262	12/5/2017	13:18:01	0.000	0.000	0.000
263	12/5/2017	13:19:01	0.000	0.000	0.000
264	12/5/2017	13:20:01	0.000	0.000	0.000
265	12/5/2017	13:21:01	0.000	0.000	0.000
266	12/5/2017	13:22:01	0.000	0.000	0.000
267	12/5/2017	13:23:01	0.000	0.000	0.000
268	12/5/2017	13:24:01	0.000	0.000	0.000
269	12/5/2017	13:25:01	0.000	0.000	0.000
270	12/5/2017	13:26:01	0.000	0.000	0.000
271	12/5/2017	13:27:01	0.000	0.000	0.000
272	12/5/2017	13:28:01	0.000	0.000	0.000
273	12/5/2017	13:29:01	0.000	0.000	0.000
274	12/5/2017	13:30:01	0.000	0.000	0.000

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275	12/5/2017	13:31:01	0.000	0.000	0.000
276	12/5/2017	13:32:01	0.000	0.000	0.000
277	12/5/2017	13:33:01	0.000	0.000	0.000
278	12/5/2017	13:34:01	0.000	0.000	0.000
279	12/5/2017	13:35:01	0.000	0.000	0.000
280	12/5/2017	13:36:01	0.000	0.000	0.000
281	12/5/2017	13:37:01	0.000	0.000	0.000
282	12/5/2017	13:38:01	0.000	0.000	0.000
283	12/5/2017	13:39:01	0.000	0.000	0.000
284	12/5/2017	13:40:01	0.000	0.000	0.000
285	12/5/2017	13:41:01	0.000	0.000	0.000
286	12/5/2017	13:42:01	0.000	0.000	0.000
287	12/5/2017	13:43:01	0.000	0.000	0.000
288	12/5/2017	13:44:01	0.000	0.000	0.000
289	12/5/2017	13:45:01	0.000	0.000	0.000
290	12/5/2017	13:46:01	0.000	0.000	0.000
291	12/5/2017	13:47:01	0.000	0.000	0.000
292	12/5/2017	13:48:01	0.000	0.000	0.000
293	12/5/2017	13:49:01	0.000	0.000	0.000
294	12/5/2017	13:50:01	0.000	0.000	0.000
295	12/5/2017	13:51:01	0.000	0.000	0.000
296	12/5/2017	13:52:01	0.000	0.000	0.000
297	12/5/2017	13:53:01	0.000	0.000	0.000
298	12/5/2017	13:54:01	0.000	0.000	0.000
299	12/5/2017	13:55:01	0.000	0.000	0.000
300	12/5/2017	13:56:01	0.000	0.000	0.000
301	12/5/2017	13:57:01	0.000	0.000	0.000
302	12/5/2017	13:58:01	0.000	0.000	0.000
303	12/5/2017	13:59:01	0.000	0.000	0.000
304	12/5/2017	14:00:01	0.000	0.000	0.000
305	12/5/2017	14:01:01	0.000	0.000	0.000
306	12/5/2017	14:02:01	0.000	0.000	0.000
307	12/5/2017	14:03:01	0.000	0.000	0.000
308	12/5/2017	14:04:01	0.000	0.000	0.000
309	12/5/2017	14:05:01	0.000	0.000	0.000
310	12/5/2017	14:06:01	0.000	0.000	0.000
311	12/5/2017	14:07:01	0.000	0.000	0.000
312	12/5/2017	14:08:01	0.000	0.000	0.000
313	12/5/2017	14:09:01	0.000	0.000	0.000
314	12/5/2017	14:10:01	0.000	0.000	0.000
315	12/5/2017	14:11:01	0.000	0.000	0.000
316	12/5/2017	14:12:01	0.000	0.000	0.000
317	12/5/2017	14:13:01	0.000	0.000	0.000
318	12/5/2017	14:14:01	0.000	0.000	0.000
319	12/5/2017	14:15:01	0.000	0.000	0.000
320	12/5/2017	14:16:01	0.000	0.000	0.000
321	12/5/2017	14:17:01	0.000	0.000	0.000
322	12/5/2017	14:18:01	0.000	0.000	0.000

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323	12/5/2017	14:19:01	0.000	0.000	0.000
324	12/5/2017	14:20:01	0.000	0.000	0.000
325	12/5/2017	14:21:01	0.000	0.000	0.000
326	12/5/2017	14:22:01	0.000	0.000	0.000
327	12/5/2017	14:23:01	0.000	0.000	0.000
328	12/5/2017	14:24:01	0.000	0.000	0.000
329	12/5/2017	14:25:01	0.000	0.000	0.000
330	12/5/2017	14:26:01	0.000	0.000	0.000
331	12/5/2017	14:27:01	0.000	0.000	0.000
332	12/5/2017	14:28:01	0.000	0.000	0.000
333	12/5/2017	14:29:01	0.000	0.000	0.000
334	12/5/2017	14:30:01	0.000	0.000	0.000
335	12/5/2017	14:31:01	0.000	0.000	0.000
336	12/5/2017	14:32:01	0.000	0.000	0.000
337	12/5/2017	14:33:01	0.000	0.000	0.000
338	12/5/2017	14:34:01	0.000	0.000	0.000
339	12/5/2017	14:35:01	0.000	0.000	0.000
340	12/5/2017	14:36:01	0.000	0.000	0.000
341	12/5/2017	14:37:01	0.000	0.000	0.000
342	12/5/2017	14:38:01	0.000	0.000	0.000
343	12/5/2017	14:39:01	0.000	0.000	0.000
344	12/5/2017	14:40:01	0.000	0.000	0.000
345	12/5/2017	14:41:01	0.000	0.000	0.000
346	12/5/2017	14:42:01	0.000	0.000	0.000
347	12/5/2017	14:43:01	0.000	0.000	0.000
348	12/5/2017	14:44:01	0.000	0.000	0.000
349	12/5/2017	14:45:01	0.000	0.000	0.000
350	12/5/2017	14:46:01	0.000	0.000	0.000
351	12/5/2017	14:47:01	0.000	0.000	0.000
352	12/5/2017	14:48:01	0.000	0.000	0.000
353	12/5/2017	14:49:01	0.000	0.000	0.000
354	12/5/2017	14:50:01	0.000	0.000	0.000
355	12/5/2017	14:51:01	0.000	0.000	0.000
356	12/5/2017	14:52:01	0.000	0.000	0.000
357	12/5/2017	14:53:01	0.000	0.000	0.000
358	12/5/2017	14:54:01	0.000	0.000	0.000
359	12/5/2017	14:55:01	0.000	0.000	0.000
360	12/5/2017	14:56:01	0.000	0.000	0.000
361	12/5/2017	14:57:01	0.000	0.000	0.000
362	12/5/2017	14:58:01	0.000	0.000	0.000
363	12/5/2017	14:59:01	0.000	0.000	0.000
364	12/5/2017	15:00:01	0.000	0.000	0.000
365	12/5/2017	15:01:01	0.000	0.000	0.000
366	12/5/2017	15:02:01	0.000	0.000	0.000
367	12/5/2017	15:03:01	0.000	0.000	0.000
368	12/5/2017	15:04:01	0.000	0.000	0.000
369	12/5/2017	15:05:01	0.000	0.000	0.000
370	12/5/2017	15:06:01	0.000	0.000	0.000

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371	12/5/2017	15:07:01	0.000	0.000	0.000
372	12/5/2017	15:08:01	0.000	0.000	0.000
373	12/5/2017	15:09:01	0.000	0.000	0.000
374	12/5/2017	15:10:01	0.000	0.000	0.000
375	12/5/2017	15:11:01	0.000	0.000	0.000
376	12/5/2017	15:12:01	0.000	0.000	0.000
377	12/5/2017	15:13:01	0.000	0.000	0.000
378	12/5/2017	15:14:01	0.000	0.000	0.000
379	12/5/2017	15:15:01	0.000	0.000	0.000
380	12/5/2017	15:16:01	0.000	0.000	0.000
381	12/5/2017	15:17:01	0.000	0.000	0.000
382	12/5/2017	15:18:01	0.000	0.000	0.000
383	12/5/2017	15:19:01	0.000	0.000	0.000
384	12/5/2017	15:20:01	0.000	0.000	0.000
385	12/5/2017	15:21:01	0.000	0.000	0.000
386	12/5/2017	15:22:01	0.000	0.000	0.000
387	12/5/2017	15:23:01	0.000	0.000	0.000
388	12/5/2017	15:24:01	0.000	0.000	0.000
389	12/5/2017	15:25:01	0.000	0.000	0.000
390	12/5/2017	15:26:01	0.000	0.000	0.000
391	12/5/2017	15:27:01	0.000	0.000	0.000
392	12/5/2017	15:28:01	0.000	0.000	0.000
393	12/5/2017	15:29:01	0.000	0.000	0.000
394	12/5/2017	15:30:01	0.000	0.000	0.000
395	12/5/2017	15:31:01	0.000	0.000	0.000
396	12/5/2017	15:32:01	0.000	0.000	0.000
397	12/5/2017	15:33:01	0.000	0.000	0.000
398	12/5/2017	15:34:01	0.000	0.000	0.000
399	12/5/2017	15:35:01	0.000	0.000	0.000
400	12/5/2017	15:36:01	0.000	0.000	0.000
401	12/5/2017	15:37:01	0.000	0.000	0.000
402	12/5/2017	15:38:01	0.000	0.000	0.000
403	12/5/2017	15:39:01	0.000	0.000	0.000
404	12/5/2017	15:40:01	0.000	0.000	0.000
405	12/5/2017	15:41:01	0.000	0.000	0.000
406	12/5/2017	15:42:01	0.000	0.000	0.000
407	12/5/2017	15:43:01	0.000	0.000	0.000
408	12/5/2017	15:44:01	0.000	0.000	0.000
409	12/5/2017	15:45:01	0.000	0.000	0.000
410	12/5/2017	15:46:01	0.000	0.000	0.000
411	12/5/2017	15:47:01	0.000	0.000	0.000
412	12/5/2017	15:48:01	0.000	0.000	0.000
413	12/5/2017	15:49:01	0.000	0.000	0.000
414	12/5/2017	15:50:01	0.000	0.000	0.000
415	12/5/2017	15:51:01	0.000	0.000	0.000
416	12/5/2017	15:52:01	0.000	0.000	0.000
417	12/5/2017	15:53:01	0.000	0.000	0.000
418	12/5/2017	15:54:01	0.000	0.000	0.000

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419	12/5/2017	15:55:01	0.000	0.000	0.000
420	12/5/2017	15:56:01	0.000	0.000	0.000
421	12/5/2017	15:57:01	0.000	0.000	0.000
422	12/5/2017	15:58:01	0.000	0.000	0.000
423	12/5/2017	15:59:01	0.000	0.000	0.000
424	12/5/2017	16:00:01	0.000	0.000	0.000
425	12/5/2017	16:01:01	0.000	0.000	0.000
426	12/5/2017	16:02:01	0.000	0.000	0.000
427	12/5/2017	16:03:01	0.000	0.000	0.000
428	12/5/2017	16:04:01	0.000	0.000	0.000
429	12/5/2017	16:05:01	0.000	0.000	0.000
430	12/5/2017	16:06:01	0.000	0.000	0.000
431	12/5/2017	16:07:01	0.000	0.000	0.000
432	12/5/2017	16:08:01	0.000	0.000	0.000
433	12/5/2017	16:09:01	0.000	0.000	0.000
434	12/5/2017	16:10:01	0.000	0.000	0.000
435	12/5/2017	16:11:01	0.000	0.000	0.000
436	12/5/2017	16:12:01	0.000	0.000	0.000
437	12/5/2017	16:13:01	0.000	0.000	0.000
438	12/5/2017	16:14:01	0.000	0.000	0.000
439	12/5/2017	16:15:01	0.000	0.000	0.000
440	12/5/2017	16:16:01	0.000	0.000	0.000
441	12/5/2017	16:17:01	0.000	0.000	0.000
442	12/5/2017	16:18:01	0.000	0.000	0.000
443	12/5/2017	16:19:01	0.000	0.000	0.000
444	12/5/2017	16:20:01	0.000	0.000	0.000
445	12/5/2017	16:21:01	0.000	0.000	0.000
446	12/5/2017	16:22:01	0.000	0.000	0.000
447	12/5/2017	16:23:01	0.000	0.000	0.000
448	12/5/2017	16:24:01	0.000	0.000	0.000
449	12/5/2017	16:25:01	0.000	0.000	0.000
450	12/5/2017	16:26:01	0.000	0.000	0.000
451	12/5/2017	16:27:01	0.000	0.000	0.000
452	12/5/2017	16:28:01	0.000	0.000	0.000
453	12/5/2017	16:29:01	0.000	0.000	0.000
454	12/5/2017	16:30:01	0.000	0.000	0.000
455	12/5/2017	16:31:01	0.000	0.000	0.000
456	12/5/2017	16:32:01	0.000	0.000	0.000
457	12/5/2017	16:33:01	0.000	0.000	0.000
458	12/5/2017	16:34:01	0.000	0.000	0.000
459	12/5/2017	16:35:01	0.000	0.000	0.000
460	12/5/2017	16:36:01	0.000	0.000	0.000
461	12/5/2017	16:37:01	0.000	0.000	0.000
462	12/5/2017	16:38:01	0.000	0.000	0.000
463	12/5/2017	16:39:01	0.000	0.000	0.000
464	12/5/2017	16:40:01	0.000	0.000	0.000
465	12/5/2017	16:41:01	0.000	0.000	0.000
466	12/5/2017	16:42:01	0.000	0.000	0.000

Pine_24759_20180226					
467	12/5/2017	16:43:01	0.000	0.000	0.000
468	12/5/2017	16:44:01	0.000	0.000	0.000
469	12/5/2017	16:45:01	0.000	0.000	0.000
470	12/5/2017	16:46:01	0.000	0.000	0.000
471	12/5/2017	16:47:01	0.000	0.000	0.000
472	12/5/2017	16:48:01	0.000	0.000	0.000
473	12/5/2017	16:49:01	0.000	0.000	0.000
474	12/5/2017	16:50:01	0.000	0.000	0.000
475	12/5/2017	16:51:01	0.000	0.000	0.001
476	12/5/2017	16:52:01	0.000	0.000	0.005
Peak		0.000	0.035	0.447	
Min		0.000	0.000	0.000	
Average		0.000	0.000	0.002	

=====
17/12/06 08:48

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Battery Low

Site ID RAE00000
User ID 00000001

Begin 12/6/2017 08:48:57
End 12/6/2017 15:01:05
Sample Period(s) 60
Number of Records 372

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06

Pine_24759_20180226

Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	12/6/2017 08:49:57	0.000	0.000	0.000	0.000
002	12/6/2017 08:50:57	0.000	0.000	0.000	0.000
003	12/6/2017 08:51:57	0.000	0.000	0.000	0.000
004	12/6/2017 08:52:57	0.000	0.000	0.000	0.000
005	12/6/2017 08:53:57	0.000	0.000	0.000	0.000
006	12/6/2017 08:54:57	0.000	0.000	0.000	0.000
007	12/6/2017 08:55:57	0.000	0.000	0.000	0.000
008	12/6/2017 08:56:57	0.000	0.000	0.000	0.000
009	12/6/2017 08:57:57	0.000	0.000	0.000	0.000
010	12/6/2017 08:58:57	0.000	0.000	0.000	0.000
011	12/6/2017 08:59:57	0.000	0.000	0.000	0.000
012	12/6/2017 09:00:57	0.000	0.000	0.000	0.000
013	12/6/2017 09:01:57	0.000	0.000	0.000	0.000
014	12/6/2017 09:02:57	0.000	0.000	0.000	0.000
015	12/6/2017 09:03:57	0.000	0.000	0.000	0.000
016	12/6/2017 09:04:57	0.000	0.000	0.000	0.000
017	12/6/2017 09:05:57	0.000	0.000	0.000	0.000
018	12/6/2017 09:06:57	0.000	0.000	0.000	0.000
019	12/6/2017 09:07:57	0.000	0.000	0.000	0.000
020	12/6/2017 09:08:57	0.000	0.000	0.000	0.000
021	12/6/2017 09:09:57	0.000	0.000	0.000	0.000
022	12/6/2017 09:10:57	0.000	0.000	0.000	0.000
023	12/6/2017 09:11:57	0.000	0.000	0.000	0.000
024	12/6/2017 09:12:57	0.000	0.000	0.000	0.000
025	12/6/2017 09:13:57	0.000	0.000	0.000	0.000
026	12/6/2017 09:14:57	0.000	0.000	0.000	0.000
027	12/6/2017 09:15:57	0.000	0.000	0.000	0.000
028	12/6/2017 09:16:57	0.000	0.000	0.000	0.000
029	12/6/2017 09:17:57	0.000	0.000	0.000	0.000
030	12/6/2017 09:18:57	0.000	0.000	0.000	0.000
031	12/6/2017 09:19:57	0.000	0.000	0.000	0.000
032	12/6/2017 09:20:57	0.000	0.000	0.000	0.000
033	12/6/2017 09:21:57	0.000	0.000	0.000	0.000
034	12/6/2017 09:22:57	0.000	0.000	0.000	0.000
035	12/6/2017 09:23:57	0.000	0.000	0.000	0.000
036	12/6/2017 09:24:57	0.000	0.000	0.000	0.000
037	12/6/2017 09:25:57	0.000	0.000	0.000	0.000
038	12/6/2017 09:26:57	0.000	0.000	0.000	0.000
039	12/6/2017 09:27:57	0.000	0.000	0.000	0.000
040	12/6/2017 09:28:57	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
041	12/6/2017	09:29:57	0.000	0.000	0.000
042	12/6/2017	09:30:57	0.000	0.000	0.000
043	12/6/2017	09:31:57	0.000	0.000	0.000
044	12/6/2017	09:32:57	0.000	0.000	0.000
045	12/6/2017	09:33:57	0.000	0.000	0.000
046	12/6/2017	09:34:57	0.000	0.000	0.000
047	12/6/2017	09:35:57	0.000	0.000	0.000
048	12/6/2017	09:36:57	0.000	0.000	0.000
049	12/6/2017	09:37:57	0.000	0.000	0.000
050	12/6/2017	09:38:57	0.000	0.000	0.000
051	12/6/2017	09:39:57	0.000	0.000	0.000
052	12/6/2017	09:40:57	0.000	0.000	0.000
053	12/6/2017	09:41:57	0.000	0.000	0.000
054	12/6/2017	09:42:57	0.000	0.000	0.000
055	12/6/2017	09:43:57	0.000	0.000	0.000
056	12/6/2017	09:44:57	0.000	0.000	0.000
057	12/6/2017	09:45:57	0.000	0.000	0.000
058	12/6/2017	09:46:57	0.000	0.000	0.000
059	12/6/2017	09:47:57	0.000	0.000	0.000
060	12/6/2017	09:48:57	0.000	0.000	0.000
061	12/6/2017	09:49:57	0.000	0.000	0.000
062	12/6/2017	09:50:57	0.000	0.000	0.000
063	12/6/2017	09:51:57	0.000	0.000	0.000
064	12/6/2017	09:52:57	0.000	0.000	0.000
065	12/6/2017	09:53:57	0.000	0.000	0.000
066	12/6/2017	09:54:57	0.000	0.000	0.000
067	12/6/2017	09:55:57	0.000	0.000	0.000
068	12/6/2017	09:56:57	0.000	0.000	0.000
069	12/6/2017	09:57:57	0.000	0.000	0.000
070	12/6/2017	09:58:57	0.000	0.000	0.000
071	12/6/2017	09:59:57	0.000	0.000	0.000
072	12/6/2017	10:00:57	0.000	0.000	0.000
073	12/6/2017	10:01:57	0.000	0.000	0.000
074	12/6/2017	10:02:57	0.000	0.000	0.000
075	12/6/2017	10:03:57	0.000	0.000	0.000
076	12/6/2017	10:04:57	0.000	0.000	0.000
077	12/6/2017	10:05:57	0.000	0.000	0.000
078	12/6/2017	10:06:57	0.000	0.000	0.000
079	12/6/2017	10:07:57	0.000	0.000	0.000
080	12/6/2017	10:08:57	0.000	0.000	0.000
081	12/6/2017	10:09:57	0.000	0.000	0.000
082	12/6/2017	10:10:57	0.000	0.000	0.000
083	12/6/2017	10:11:57	0.000	0.000	0.000
084	12/6/2017	10:12:57	0.000	0.000	0.000
085	12/6/2017	10:13:57	0.000	0.000	0.000
086	12/6/2017	10:14:57	0.000	0.000	0.000
087	12/6/2017	10:15:57	0.000	0.000	0.000
088	12/6/2017	10:16:57	0.000	0.000	0.000

			Pine_24759_20180226		
089	12/6/2017	10:17:57	0.000	0.000	0.000
090	12/6/2017	10:18:57	0.000	0.000	0.000
091	12/6/2017	10:19:57	0.000	0.000	0.000
092	12/6/2017	10:20:57	0.000	0.000	0.000
093	12/6/2017	10:21:57	0.000	0.000	0.000
094	12/6/2017	10:22:57	0.000	0.000	0.000
095	12/6/2017	10:23:57	0.000	0.000	0.000
096	12/6/2017	10:24:57	0.000	0.000	0.000
097	12/6/2017	10:25:57	0.000	0.000	0.000
098	12/6/2017	10:26:57	0.000	0.000	0.000
099	12/6/2017	10:27:57	0.000	0.000	0.000
100	12/6/2017	10:28:57	0.000	0.000	0.000
101	12/6/2017	10:29:57	0.000	0.000	0.000
102	12/6/2017	10:30:57	0.000	0.000	0.000
103	12/6/2017	10:31:57	0.000	0.000	0.000
104	12/6/2017	10:32:57	0.000	0.000	0.000
105	12/6/2017	10:33:57	0.000	0.000	0.000
106	12/6/2017	10:34:57	0.000	0.000	0.000
107	12/6/2017	10:35:57	0.000	0.000	0.000
108	12/6/2017	10:36:57	0.000	0.000	0.000
109	12/6/2017	10:37:57	0.000	0.000	0.000
110	12/6/2017	10:38:57	0.000	0.000	0.000
111	12/6/2017	10:39:57	0.000	0.000	0.000
112	12/6/2017	10:40:57	0.000	0.000	0.000
113	12/6/2017	10:41:57	0.000	0.000	0.000
114	12/6/2017	10:42:57	0.000	0.000	0.000
115	12/6/2017	10:43:57	0.000	0.000	0.000
116	12/6/2017	10:44:57	0.000	0.000	0.000
117	12/6/2017	10:45:57	0.000	0.000	0.000
118	12/6/2017	10:46:57	0.000	0.000	0.000
119	12/6/2017	10:47:57	0.000	0.000	0.000
120	12/6/2017	10:48:57	0.000	0.000	0.000
121	12/6/2017	10:49:57	0.000	0.000	0.000
122	12/6/2017	10:50:57	0.000	0.000	0.000
123	12/6/2017	10:51:57	0.000	0.000	0.000
124	12/6/2017	10:52:57	0.000	0.000	0.000
125	12/6/2017	10:53:57	0.000	0.000	0.000
126	12/6/2017	10:54:57	0.000	0.000	0.000
127	12/6/2017	10:55:57	0.000	0.000	0.000
128	12/6/2017	10:56:57	0.000	0.000	0.000
129	12/6/2017	10:57:57	0.000	0.000	0.000
130	12/6/2017	10:58:57	0.000	0.000	0.000
131	12/6/2017	10:59:57	0.000	0.000	0.000
132	12/6/2017	11:00:57	0.000	0.000	0.000
133	12/6/2017	11:01:57	0.000	0.000	0.000
134	12/6/2017	11:02:57	0.000	0.000	0.000
135	12/6/2017	11:03:57	0.000	0.000	0.000
136	12/6/2017	11:04:57	0.000	0.000	0.000

			Pine_24759_20180226		
137	12/6/2017	11:05:57	0.000	0.000	0.000
138	12/6/2017	11:06:57	0.000	0.000	0.000
139	12/6/2017	11:07:57	0.000	0.000	0.000
140	12/6/2017	11:08:57	0.000	0.000	0.000
141	12/6/2017	11:09:57	0.000	0.000	0.000
142	12/6/2017	11:10:57	0.000	0.000	0.000
143	12/6/2017	11:11:57	0.000	0.000	0.000
144	12/6/2017	11:12:57	0.000	0.000	0.000
145	12/6/2017	11:13:57	0.000	0.000	0.000
146	12/6/2017	11:14:57	0.000	0.000	0.000
147	12/6/2017	11:15:57	0.000	0.000	0.000
148	12/6/2017	11:16:57	0.000	0.000	0.000
149	12/6/2017	11:17:57	0.000	0.000	0.000
150	12/6/2017	11:18:57	0.000	0.000	0.000
151	12/6/2017	11:19:57	0.000	0.000	0.000
152	12/6/2017	11:20:57	0.000	0.000	0.000
153	12/6/2017	11:21:57	0.000	0.000	0.000
154	12/6/2017	11:22:57	0.000	0.000	0.000
155	12/6/2017	11:23:57	0.000	0.000	0.000
156	12/6/2017	11:24:57	0.000	0.000	0.000
157	12/6/2017	11:25:57	0.000	0.000	0.000
158	12/6/2017	11:26:57	0.000	0.000	0.000
159	12/6/2017	11:27:57	0.000	0.000	0.000
160	12/6/2017	11:28:57	0.000	0.000	0.000
161	12/6/2017	11:29:57	0.000	0.000	0.000
162	12/6/2017	11:30:57	0.000	0.000	0.000
163	12/6/2017	11:31:57	0.000	0.000	0.000
164	12/6/2017	11:32:57	0.000	0.000	0.000
165	12/6/2017	11:33:57	0.000	0.000	0.000
166	12/6/2017	11:34:57	0.000	0.000	0.000
167	12/6/2017	11:35:57	0.000	0.000	0.000
168	12/6/2017	11:36:57	0.000	0.000	0.000
169	12/6/2017	11:37:57	0.000	0.000	0.000
170	12/6/2017	11:38:57	0.000	0.000	0.000
171	12/6/2017	11:39:57	0.000	0.000	0.000
172	12/6/2017	11:40:57	0.000	0.000	0.000
173	12/6/2017	11:41:57	0.000	0.000	0.000
174	12/6/2017	11:42:57	0.000	0.000	0.000
175	12/6/2017	11:43:57	0.000	0.000	0.000
176	12/6/2017	11:44:57	0.000	0.000	0.000
177	12/6/2017	11:45:57	0.000	0.000	0.000
178	12/6/2017	11:46:57	0.000	0.000	0.000
179	12/6/2017	11:47:57	0.000	0.000	0.000
180	12/6/2017	11:48:57	0.000	0.000	0.000
181	12/6/2017	11:49:57	0.000	0.000	0.000
182	12/6/2017	11:50:57	0.000	0.000	0.000
183	12/6/2017	11:51:57	0.000	0.000	0.000
184	12/6/2017	11:52:57	0.000	0.000	0.000

			Pine_24759_20180226		
185	12/6/2017	11:53:57	0.000	0.000	0.000
186	12/6/2017	11:54:57	0.000	0.000	0.000
187	12/6/2017	11:55:57	0.000	0.000	0.000
188	12/6/2017	11:56:57	0.000	0.000	0.000
189	12/6/2017	11:57:57	0.000	0.000	0.000
190	12/6/2017	11:58:57	0.000	0.000	0.000
191	12/6/2017	11:59:57	0.000	0.000	0.000
192	12/6/2017	12:00:57	0.000	0.000	0.000
193	12/6/2017	12:01:57	0.000	0.000	0.000
194	12/6/2017	12:02:57	0.000	0.000	0.000
195	12/6/2017	12:03:57	0.000	0.000	0.000
196	12/6/2017	12:04:57	0.000	0.000	0.000
197	12/6/2017	12:05:57	0.000	0.000	0.000
198	12/6/2017	12:06:57	0.000	0.000	0.000
199	12/6/2017	12:07:57	0.000	0.000	0.000
200	12/6/2017	12:08:57	0.000	0.000	0.000
201	12/6/2017	12:09:57	0.000	0.000	0.000
202	12/6/2017	12:10:57	0.000	0.000	0.000
203	12/6/2017	12:11:57	0.000	0.000	0.000
204	12/6/2017	12:12:57	0.000	0.000	0.000
205	12/6/2017	12:13:57	0.000	0.000	0.000
206	12/6/2017	12:14:57	0.000	0.000	0.000
207	12/6/2017	12:15:57	0.000	0.000	0.000
208	12/6/2017	12:16:57	0.000	0.000	0.000
209	12/6/2017	12:17:57	0.000	0.000	0.000
210	12/6/2017	12:18:57	0.000	0.000	0.000
211	12/6/2017	12:19:57	0.000	0.000	0.000
212	12/6/2017	12:20:57	0.000	0.000	0.000
213	12/6/2017	12:21:57	0.000	0.000	0.000
214	12/6/2017	12:22:57	0.000	0.000	0.000
215	12/6/2017	12:23:57	0.000	0.000	0.000
216	12/6/2017	12:24:57	0.000	0.000	0.000
217	12/6/2017	12:25:57	0.000	0.000	0.000
218	12/6/2017	12:26:57	0.000	0.000	0.000
219	12/6/2017	12:27:57	0.000	0.004	0.072
220	12/6/2017	12:28:57	0.000	0.000	0.000
221	12/6/2017	12:29:57	0.000	0.000	0.000
222	12/6/2017	12:30:57	0.000	0.000	0.000
223	12/6/2017	12:31:57	0.000	0.000	0.000
224	12/6/2017	12:32:57	0.000	0.000	0.000
225	12/6/2017	12:33:57	0.000	0.000	0.000
226	12/6/2017	12:34:57	0.000	0.000	0.000
227	12/6/2017	12:35:57	0.000	0.000	0.000
228	12/6/2017	12:36:57	0.000	0.000	0.000
229	12/6/2017	12:37:57	0.000	0.000	0.000
230	12/6/2017	12:38:57	0.000	0.000	0.000
231	12/6/2017	12:39:57	0.000	0.000	0.000
232	12/6/2017	12:40:57	0.000	0.000	0.000

			Pine_24759_20180226		
233	12/6/2017	12:41:57	0.000	0.000	0.000
234	12/6/2017	12:42:57	0.000	0.000	0.000
235	12/6/2017	12:43:57	0.000	0.000	0.000
236	12/6/2017	12:44:57	0.000	0.000	0.000
237	12/6/2017	12:45:57	0.000	0.000	0.000
238	12/6/2017	12:46:57	0.000	0.000	0.000
239	12/6/2017	12:47:57	0.000	0.000	0.000
240	12/6/2017	12:48:57	0.000	0.000	0.000
241	12/6/2017	12:49:57	0.000	0.000	0.000
242	12/6/2017	12:50:57	0.000	0.000	0.000
243	12/6/2017	12:51:57	0.000	0.000	0.000
244	12/6/2017	12:52:57	0.000	0.000	0.000
245	12/6/2017	12:53:57	0.000	0.000	0.000
246	12/6/2017	12:54:57	0.000	0.000	0.000
247	12/6/2017	12:55:57	0.000	0.000	0.000
248	12/6/2017	12:56:57	0.000	0.000	0.000
249	12/6/2017	12:57:57	0.000	0.000	0.000
250	12/6/2017	12:58:57	0.000	0.000	0.000
251	12/6/2017	12:59:57	0.000	0.000	0.000
252	12/6/2017	13:00:57	0.000	0.000	0.000
253	12/6/2017	13:01:57	0.000	0.000	0.000
254	12/6/2017	13:02:57	0.000	0.000	0.000
255	12/6/2017	13:03:57	0.000	0.000	0.000
256	12/6/2017	13:04:57	0.000	0.000	0.000
257	12/6/2017	13:05:57	0.000	0.000	0.000
258	12/6/2017	13:06:57	0.000	0.000	0.000
259	12/6/2017	13:07:57	0.000	0.000	0.000
260	12/6/2017	13:08:57	0.000	0.000	0.000
261	12/6/2017	13:09:57	0.000	0.000	0.000
262	12/6/2017	13:10:57	0.000	0.000	0.000
263	12/6/2017	13:11:57	0.000	0.000	0.000
264	12/6/2017	13:12:57	0.000	0.000	0.000
265	12/6/2017	13:13:57	0.000	0.000	0.000
266	12/6/2017	13:14:57	0.000	0.000	0.000
267	12/6/2017	13:15:57	0.000	0.000	0.000
268	12/6/2017	13:16:57	0.000	0.000	0.000
269	12/6/2017	13:17:57	0.000	0.000	0.000
270	12/6/2017	13:18:57	0.000	0.000	0.000
271	12/6/2017	13:19:57	0.000	0.000	0.000
272	12/6/2017	13:20:57	0.000	0.000	0.000
273	12/6/2017	13:21:57	0.000	0.000	0.000
274	12/6/2017	13:22:57	0.000	0.000	0.000
275	12/6/2017	13:23:57	0.000	0.000	0.000
276	12/6/2017	13:24:57	0.000	0.000	0.000
277	12/6/2017	13:25:57	0.000	0.000	0.000
278	12/6/2017	13:26:57	0.000	0.000	0.000
279	12/6/2017	13:27:57	0.000	0.000	0.000
280	12/6/2017	13:28:57	0.000	0.000	0.000

			Pine_24759_20180226		
281	12/6/2017	13:29:57	0.000	0.000	0.000
282	12/6/2017	13:30:57	0.000	0.000	0.000
283	12/6/2017	13:31:57	0.000	0.000	0.000
284	12/6/2017	13:32:57	0.000	0.000	0.000
285	12/6/2017	13:33:57	0.000	0.000	0.000
286	12/6/2017	13:34:57	0.000	0.000	0.000
287	12/6/2017	13:35:57	0.000	0.000	0.000
288	12/6/2017	13:36:57	0.000	0.000	0.000
289	12/6/2017	13:37:57	0.000	0.000	0.000
290	12/6/2017	13:38:57	0.000	0.000	0.000
291	12/6/2017	13:39:57	0.000	0.000	0.000
292	12/6/2017	13:40:57	0.000	0.000	0.000
293	12/6/2017	13:41:57	0.000	0.000	0.000
294	12/6/2017	13:42:57	0.000	0.000	0.000
295	12/6/2017	13:43:57	0.000	0.000	0.000
296	12/6/2017	13:44:57	0.000	0.000	0.000
297	12/6/2017	13:45:57	0.000	0.000	0.000
298	12/6/2017	13:46:57	0.000	0.000	0.000
299	12/6/2017	13:47:57	0.000	0.000	0.000
300	12/6/2017	13:48:57	0.000	0.010	0.066
301	12/6/2017	13:49:57	0.000	0.000	0.000
302	12/6/2017	13:50:57	0.000	0.000	0.000
303	12/6/2017	13:51:57	0.000	0.000	0.000
304	12/6/2017	13:52:57	0.000	0.000	0.000
305	12/6/2017	13:53:57	0.000	0.011	0.062
306	12/6/2017	13:54:57	0.000	0.000	0.000
307	12/6/2017	13:55:57	0.000	0.000	0.000
308	12/6/2017	13:56:57	0.000	0.000	0.000
309	12/6/2017	13:57:57	0.000	0.000	0.000
310	12/6/2017	13:58:57	0.000	0.000	0.000
311	12/6/2017	13:59:57	0.000	0.000	0.000
312	12/6/2017	14:00:57	0.000	0.000	0.000
313	12/6/2017	14:01:57	0.000	0.000	0.000
314	12/6/2017	14:02:57	0.000	0.000	0.000
315	12/6/2017	14:03:57	0.000	0.000	0.000
316	12/6/2017	14:04:57	0.000	0.000	0.000
317	12/6/2017	14:05:57	0.000	0.000	0.000
318	12/6/2017	14:06:57	0.000	0.000	0.000
319	12/6/2017	14:07:57	0.000	0.000	0.000
320	12/6/2017	14:08:57	0.000	0.000	0.000
321	12/6/2017	14:09:57	0.000	0.000	0.000
322	12/6/2017	14:10:57	0.000	0.000	0.000
323	12/6/2017	14:11:57	0.000	0.000	0.000
324	12/6/2017	14:12:57	0.000	0.000	0.000
325	12/6/2017	14:13:57	0.000	0.000	0.000
326	12/6/2017	14:14:57	0.000	0.000	0.000
327	12/6/2017	14:15:57	0.000	0.000	0.000
328	12/6/2017	14:16:57	0.000	0.000	0.000

			Pine_24759_20180226		
329	12/6/2017	14:17:57	0.000	0.000	0.000
330	12/6/2017	14:18:57	0.000	0.000	0.000
331	12/6/2017	14:19:57	0.000	0.000	0.000
332	12/6/2017	14:20:57	0.000	0.000	0.000
333	12/6/2017	14:21:57	0.000	0.000	0.000
334	12/6/2017	14:22:57	0.000	0.000	0.000
335	12/6/2017	14:23:57	0.000	0.000	0.000
336	12/6/2017	14:24:57	0.000	0.000	0.000
337	12/6/2017	14:25:57	0.000	0.000	0.000
338	12/6/2017	14:26:57	0.000	0.000	0.000
339	12/6/2017	14:27:57	0.000	0.000	0.000
340	12/6/2017	14:28:57	0.000	0.000	0.000
341	12/6/2017	14:29:57	0.000	0.000	0.000
342	12/6/2017	14:30:57	0.000	0.000	0.000
343	12/6/2017	14:31:57	0.000	0.000	0.000
344	12/6/2017	14:32:57	0.000	0.000	0.000
345	12/6/2017	14:33:57	0.000	0.000	0.000
346	12/6/2017	14:34:57	0.000	0.000	0.000
347	12/6/2017	14:35:57	0.000	0.000	0.000
348	12/6/2017	14:36:57	0.000	0.000	0.000
349	12/6/2017	14:37:57	0.000	0.000	0.000
350	12/6/2017	14:38:57	0.000	0.000	0.000
351	12/6/2017	14:39:57	0.000	0.000	0.000
352	12/6/2017	14:40:57	0.000	0.000	0.000
353	12/6/2017	14:41:57	0.000	0.000	0.000
354	12/6/2017	14:42:57	0.000	0.000	0.000
355	12/6/2017	14:43:57	0.000	0.000	0.000
356	12/6/2017	14:44:57	0.000	0.000	0.000
357	12/6/2017	14:45:57	0.000	0.000	0.000
358	12/6/2017	14:46:57	0.000	0.000	0.000
359	12/6/2017	14:47:57	0.000	0.000	0.000
360	12/6/2017	14:48:57	0.000	0.000	0.000
361	12/6/2017	14:49:57	0.000	0.000	0.000
362	12/6/2017	14:50:57	0.000	0.000	0.000
363	12/6/2017	14:51:57	0.000	0.000	0.000
364	12/6/2017	14:52:57	0.000	0.000	0.000
365	12/6/2017	14:53:57	0.000	0.000	0.000
366	12/6/2017	14:54:57	0.000	0.000	0.000
367	12/6/2017	14:55:57	0.000	0.000	0.000
368	12/6/2017	14:56:57	0.000	0.000	0.000
369	12/6/2017	14:57:57	0.000	0.000	0.000
370	12/6/2017	14:58:57	0.000	0.000	0.000
371	12/6/2017	14:59:57	0.000	0.000	0.000
372	12/6/2017	15:00:57	0.000	0.000	0.000
Peak		0.000 0.011	0.072		
Min		0.000 0.000	0.000		
Average		0.000 0.000	0.001		

=====
17/12/06 16:53

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin 12/6/2017 16:53:42
End 12/6/2017 16:53:51
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06

Datalog

0 record.

=====
17/12/07 08:54

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

```

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

```

```

Site ID RAE00000
User ID 00000001
-----

```

```

Begin   12/7/2017 08:54:30
End     12/7/2017 16:07:41
Sample Period(s)      60
Number of Records     433
-----

```

```

Sensor VOC(ppm)
Span    100.000
Span 2   N/A
Low Alarm      50.000
High Alarm     100.000
Over Alarm     15000.000
STEL Alarm     25.000
TWA Alarm      10.000
Measurement Gas Isobutylene
Calibration Time      11/3/2017 08:06
Peak      N/A
Min       N/A
Average   N/A

```

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	12/7/2017 08:55:30	0.000	0.000	0.000	0.000
002	12/7/2017 08:56:30	0.000	0.000	0.000	0.000
003	12/7/2017 08:57:30	0.000	0.000	0.000	0.000
004	12/7/2017 08:58:30	0.000	0.000	0.000	0.000
005	12/7/2017 08:59:30	0.000	0.000	0.000	0.000
006	12/7/2017 09:00:30	0.000	0.000	0.000	0.000
007	12/7/2017 09:01:30	0.000	0.000	0.000	0.000
008	12/7/2017 09:02:30	0.000	0.000	0.000	0.000
009	12/7/2017 09:03:30	0.000	0.002	0.035	0.035
010	12/7/2017 09:04:30	0.000	0.000	0.000	0.000
011	12/7/2017 09:05:30	0.000	0.000	0.000	0.000
012	12/7/2017 09:06:30	0.000	0.000	0.000	0.000
013	12/7/2017 09:07:30	0.000	0.000	0.000	0.000
014	12/7/2017 09:08:30	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
015	12/7/2017	09:09:30	0.000	0.000	0.000
016	12/7/2017	09:10:30	0.000	0.000	0.000
017	12/7/2017	09:11:30	0.000	0.000	0.000
018	12/7/2017	09:12:30	0.000	0.000	0.000
019	12/7/2017	09:13:30	0.000	0.000	0.000
020	12/7/2017	09:14:30	0.000	0.000	0.000
021	12/7/2017	09:15:30	0.000	0.000	0.000
022	12/7/2017	09:16:30	0.000	0.000	0.000
023	12/7/2017	09:17:30	0.000	0.000	0.000
024	12/7/2017	09:18:30	0.000	0.000	0.000
025	12/7/2017	09:19:30	0.000	0.000	0.000
026	12/7/2017	09:20:30	0.000	0.000	0.000
027	12/7/2017	09:21:30	0.000	0.000	0.000
028	12/7/2017	09:22:30	0.000	0.000	0.000
029	12/7/2017	09:23:30	0.000	0.000	0.000
030	12/7/2017	09:24:30	0.000	0.000	0.000
031	12/7/2017	09:25:30	0.000	0.000	0.000
032	12/7/2017	09:26:30	0.000	0.000	0.000
033	12/7/2017	09:27:30	0.000	0.000	0.000
034	12/7/2017	09:28:30	0.000	0.000	0.000
035	12/7/2017	09:29:30	0.000	0.000	0.000
036	12/7/2017	09:30:30	0.000	0.000	0.000
037	12/7/2017	09:31:30	0.000	0.000	0.000
038	12/7/2017	09:32:30	0.000	0.000	0.000
039	12/7/2017	09:33:30	0.000	0.000	0.000
040	12/7/2017	09:34:30	0.000	0.000	0.000
041	12/7/2017	09:35:30	0.000	0.000	0.000
042	12/7/2017	09:36:30	0.000	0.000	0.000
043	12/7/2017	09:37:30	0.000	0.000	0.000
044	12/7/2017	09:38:30	0.000	0.000	0.000
045	12/7/2017	09:39:30	0.000	0.000	0.000
046	12/7/2017	09:40:30	0.000	0.000	0.000
047	12/7/2017	09:41:30	0.000	0.000	0.000
048	12/7/2017	09:42:30	0.000	0.000	0.000
049	12/7/2017	09:43:30	0.000	0.000	0.000
050	12/7/2017	09:44:30	0.000	0.000	0.000
051	12/7/2017	09:45:30	0.000	0.000	0.000
052	12/7/2017	09:46:30	0.000	0.000	0.000
053	12/7/2017	09:47:30	0.000	0.000	0.000
054	12/7/2017	09:48:30	0.000	0.000	0.000
055	12/7/2017	09:49:30	0.000	0.000	0.000
056	12/7/2017	09:50:30	0.000	0.000	0.000
057	12/7/2017	09:51:30	0.000	0.000	0.000
058	12/7/2017	09:52:30	0.000	0.000	0.000
059	12/7/2017	09:53:30	0.000	0.000	0.000
060	12/7/2017	09:54:30	0.000	0.000	0.000
061	12/7/2017	09:55:30	0.000	0.000	0.000
062	12/7/2017	09:56:30	0.000	0.000	0.000

Pine_24759_20180226

063	12/7/2017 09:57:30	0.000	0.000	0.000
064	12/7/2017 09:58:30	0.000	0.000	0.000
065	12/7/2017 09:59:30	0.000	0.000	0.000
066	12/7/2017 10:00:30	0.000	0.000	0.000
067	12/7/2017 10:01:30	0.000	0.000	0.000
068	12/7/2017 10:02:30	0.000	0.000	0.000
069	12/7/2017 10:03:30	0.000	0.000	0.000
070	12/7/2017 10:04:30	0.000	0.000	0.000
071	12/7/2017 10:05:30	0.000	0.000	0.000
072	12/7/2017 10:06:30	0.000	0.000	0.000
073	12/7/2017 10:07:30	0.000	0.000	0.000
074	12/7/2017 10:08:30	0.000	0.000	0.000
075	12/7/2017 10:09:30	0.000	0.000	0.000
076	12/7/2017 10:10:30	0.000	0.000	0.000
077	12/7/2017 10:11:30	0.000	0.000	0.000
078	12/7/2017 10:12:30	0.000	0.000	0.000
079	12/7/2017 10:13:30	0.000	0.000	0.000
080	12/7/2017 10:14:30	0.000	0.000	0.000
081	12/7/2017 10:15:30	0.000	0.000	0.000
082	12/7/2017 10:16:30	0.000	0.000	0.000
083	12/7/2017 10:17:30	0.000	0.000	0.000
084	12/7/2017 10:18:30	0.000	0.000	0.000
085	12/7/2017 10:19:30	0.000	0.000	0.000
086	12/7/2017 10:20:30	0.000	0.000	0.000
087	12/7/2017 10:21:30	0.000	0.000	0.000
088	12/7/2017 10:22:30	0.000	0.000	0.000
089	12/7/2017 10:23:30	0.000	0.000	0.000
090	12/7/2017 10:24:30	0.000	0.000	0.000
091	12/7/2017 10:25:30	0.000	0.000	0.000
092	12/7/2017 10:26:30	0.000	0.000	0.000
093	12/7/2017 10:27:30	0.000	0.000	0.000
094	12/7/2017 10:28:30	0.000	0.000	0.000
095	12/7/2017 10:29:30	0.000	0.000	0.000
096	12/7/2017 10:30:30	0.000	0.000	0.000
097	12/7/2017 10:31:30	0.000	0.000	0.000
098	12/7/2017 10:32:30	0.000	0.000	0.000
099	12/7/2017 10:33:30	0.000	0.000	0.000
100	12/7/2017 10:34:30	0.000	0.000	0.000
101	12/7/2017 10:35:30	0.000	0.000	0.000
102	12/7/2017 10:36:30	0.000	0.000	0.000
103	12/7/2017 10:37:30	0.000	0.000	0.000
104	12/7/2017 10:38:30	0.000	0.000	0.000
105	12/7/2017 10:39:30	0.000	0.000	0.000
106	12/7/2017 10:40:30	0.000	0.000	0.000
107	12/7/2017 10:41:30	0.000	0.000	0.000
108	12/7/2017 10:42:30	0.000	0.000	0.000
109	12/7/2017 10:43:30	0.000	0.000	0.000
110	12/7/2017 10:44:30	0.000	0.000	0.000

Pine_24759_20180226

111	12/7/2017 10:45:30	0.000	0.000	0.000
112	12/7/2017 10:46:30	0.000	0.000	0.000
113	12/7/2017 10:47:30	0.000	0.000	0.000
114	12/7/2017 10:48:30	0.000	0.000	0.000
115	12/7/2017 10:49:30	0.000	0.000	0.000
116	12/7/2017 10:50:30	0.000	0.000	0.000
117	12/7/2017 10:51:30	0.000	0.000	0.000
118	12/7/2017 10:52:30	0.000	0.000	0.000
119	12/7/2017 10:53:30	0.000	0.000	0.000
120	12/7/2017 10:54:30	0.000	0.000	0.000
121	12/7/2017 10:55:30	0.000	0.000	0.000
122	12/7/2017 10:56:30	0.000	0.000	0.000
123	12/7/2017 10:57:30	0.000	0.000	0.000
124	12/7/2017 10:58:30	0.000	0.000	0.000
125	12/7/2017 10:59:30	0.000	0.000	0.000
126	12/7/2017 11:00:30	0.000	0.000	0.000
127	12/7/2017 11:01:30	0.000	0.000	0.000
128	12/7/2017 11:02:30	0.000	0.000	0.000
129	12/7/2017 11:03:30	0.000	0.000	0.000
130	12/7/2017 11:04:30	0.000	0.000	0.000
131	12/7/2017 11:05:30	0.000	0.000	0.000
132	12/7/2017 11:06:30	0.000	0.000	0.000
133	12/7/2017 11:07:30	0.000	0.000	0.000
134	12/7/2017 11:08:30	0.000	0.000	0.000
135	12/7/2017 11:09:30	0.000	0.000	0.000
136	12/7/2017 11:10:30	0.000	0.000	0.000
137	12/7/2017 11:11:30	0.000	0.000	0.000
138	12/7/2017 11:12:30	0.000	0.000	0.000
139	12/7/2017 11:13:30	0.000	0.000	0.000
140	12/7/2017 11:14:30	0.000	0.000	0.000
141	12/7/2017 11:15:30	0.000	0.000	0.000
142	12/7/2017 11:16:30	0.000	0.000	0.000
143	12/7/2017 11:17:30	0.000	0.000	0.000
144	12/7/2017 11:18:30	0.000	0.000	0.000
145	12/7/2017 11:19:30	0.000	0.000	0.000
146	12/7/2017 11:20:30	0.000	0.000	0.000
147	12/7/2017 11:21:30	0.000	0.000	0.000
148	12/7/2017 11:22:30	0.000	0.000	0.000
149	12/7/2017 11:23:30	0.000	0.000	0.000
150	12/7/2017 11:24:30	0.000	0.000	0.000
151	12/7/2017 11:25:30	0.000	0.000	0.000
152	12/7/2017 11:26:30	0.000	0.000	0.000
153	12/7/2017 11:27:30	0.000	0.000	0.000
154	12/7/2017 11:28:30	0.000	0.000	0.000
155	12/7/2017 11:29:30	0.000	0.000	0.000
156	12/7/2017 11:30:30	0.000	0.000	0.000
157	12/7/2017 11:31:30	0.000	0.000	0.000
158	12/7/2017 11:32:30	0.000	0.000	0.000

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159	12/7/2017	11:33:30	0.000	0.000	0.000
160	12/7/2017	11:34:30	0.000	0.000	0.000
161	12/7/2017	11:35:30	0.000	0.000	0.000
162	12/7/2017	11:36:30	0.000	0.000	0.000
163	12/7/2017	11:37:30	0.000	0.000	0.000
164	12/7/2017	11:38:30	0.000	0.000	0.000
165	12/7/2017	11:39:30	0.000	0.000	0.000
166	12/7/2017	11:40:30	0.000	0.000	0.000
167	12/7/2017	11:41:30	0.000	0.000	0.000
168	12/7/2017	11:42:30	0.000	0.000	0.000
169	12/7/2017	11:43:30	0.000	0.000	0.000
170	12/7/2017	11:44:30	0.000	0.000	0.000
171	12/7/2017	11:45:30	0.000	0.000	0.000
172	12/7/2017	11:46:30	0.000	0.000	0.000
173	12/7/2017	11:47:30	0.000	0.000	0.000
174	12/7/2017	11:48:30	0.000	0.000	0.000
175	12/7/2017	11:49:30	0.000	0.000	0.000
176	12/7/2017	11:50:30	0.000	0.000	0.000
177	12/7/2017	11:51:30	0.000	0.012	0.077
178	12/7/2017	11:52:30	0.000	0.000	0.005
179	12/7/2017	11:53:30	0.000	0.000	0.000
180	12/7/2017	11:54:30	0.000	0.000	0.000
181	12/7/2017	11:55:30	0.000	0.000	0.000
182	12/7/2017	11:56:30	0.000	0.000	0.000
183	12/7/2017	11:57:30	0.000	0.000	0.000
184	12/7/2017	11:58:30	0.000	0.000	0.000
185	12/7/2017	11:59:30	0.000	0.000	0.000
186	12/7/2017	12:00:30	0.000	0.000	0.000
187	12/7/2017	12:01:30	0.000	0.000	0.000
188	12/7/2017	12:02:30	0.000	0.000	0.000
189	12/7/2017	12:03:30	0.000	0.000	0.000
190	12/7/2017	12:04:30	0.000	0.000	0.000
191	12/7/2017	12:05:30	0.000	0.000	0.000
192	12/7/2017	12:06:30	0.000	0.000	0.000
193	12/7/2017	12:07:30	0.000	0.000	0.000
194	12/7/2017	12:08:30	0.000	0.000	0.000
195	12/7/2017	12:09:30	0.000	0.000	0.000
196	12/7/2017	12:10:30	0.000	0.000	0.000
197	12/7/2017	12:11:30	0.000	0.000	0.000
198	12/7/2017	12:12:30	0.000	0.000	0.000
199	12/7/2017	12:13:30	0.000	0.000	0.000
200	12/7/2017	12:14:30	0.000	0.000	0.000
201	12/7/2017	12:15:30	0.000	0.000	0.000
202	12/7/2017	12:16:30	0.000	0.000	0.000
203	12/7/2017	12:17:30	0.000	0.000	0.000
204	12/7/2017	12:18:30	0.000	0.000	0.000
205	12/7/2017	12:19:30	0.000	0.000	0.000
206	12/7/2017	12:20:30	0.000	0.000	0.000

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207	12/7/2017	12:21:30	0.000	0.000	0.000
208	12/7/2017	12:22:30	0.000	0.000	0.000
209	12/7/2017	12:23:30	0.000	0.000	0.000
210	12/7/2017	12:24:30	0.000	0.000	0.000
211	12/7/2017	12:25:30	0.000	0.000	0.000
212	12/7/2017	12:26:30	0.000	0.000	0.000
213	12/7/2017	12:27:30	0.000	0.000	0.000
214	12/7/2017	12:28:30	0.000	0.000	0.000
215	12/7/2017	12:29:30	0.000	0.000	0.000
216	12/7/2017	12:30:30	0.000	0.000	0.000
217	12/7/2017	12:31:30	0.000	0.000	0.000
218	12/7/2017	12:32:30	0.000	0.000	0.000
219	12/7/2017	12:33:30	0.000	0.000	0.000
220	12/7/2017	12:34:30	0.000	0.000	0.000
221	12/7/2017	12:35:30	0.000	0.000	0.000
222	12/7/2017	12:36:30	0.000	0.000	0.000
223	12/7/2017	12:37:30	0.000	0.000	0.000
224	12/7/2017	12:38:30	0.000	0.000	0.000
225	12/7/2017	12:39:30	0.000	0.000	0.000
226	12/7/2017	12:40:30	0.000	0.000	0.000
227	12/7/2017	12:41:30	0.000	0.000	0.000
228	12/7/2017	12:42:30	0.000	0.000	0.000
229	12/7/2017	12:43:30	0.000	0.000	0.000
230	12/7/2017	12:44:30	0.000	0.000	0.000
231	12/7/2017	12:45:30	0.000	0.000	0.000
232	12/7/2017	12:46:30	0.000	0.000	0.000
233	12/7/2017	12:47:30	0.000	0.000	0.000
234	12/7/2017	12:48:30	0.000	0.000	0.000
235	12/7/2017	12:49:30	0.000	0.000	0.000
236	12/7/2017	12:50:30	0.000	0.000	0.000
237	12/7/2017	12:51:30	0.000	0.000	0.000
238	12/7/2017	12:52:30	0.000	0.000	0.000
239	12/7/2017	12:53:30	0.000	0.000	0.000
240	12/7/2017	12:54:30	0.000	0.000	0.000
241	12/7/2017	12:55:30	0.000	0.000	0.000
242	12/7/2017	12:56:30	0.000	0.000	0.000
243	12/7/2017	12:57:30	0.000	0.000	0.000
244	12/7/2017	12:58:30	0.000	0.000	0.000
245	12/7/2017	12:59:30	0.000	0.000	0.000
246	12/7/2017	13:00:30	0.000	0.000	0.000
247	12/7/2017	13:01:30	0.000	0.000	0.000
248	12/7/2017	13:02:30	0.000	0.000	0.000
249	12/7/2017	13:03:30	0.000	0.000	0.000
250	12/7/2017	13:04:30	0.000	0.000	0.000
251	12/7/2017	13:05:30	0.000	0.000	0.000
252	12/7/2017	13:06:30	0.000	0.000	0.000
253	12/7/2017	13:07:30	0.000	0.000	0.000
254	12/7/2017	13:08:30	0.000	0.000	0.000

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255	12/7/2017	13:09:30	0.000	0.000	0.000
256	12/7/2017	13:10:30	0.000	0.000	0.000
257	12/7/2017	13:11:30	0.000	0.000	0.000
258	12/7/2017	13:12:30	0.000	0.000	0.000
259	12/7/2017	13:13:30	0.000	0.000	0.000
260	12/7/2017	13:14:30	0.000	0.000	0.000
261	12/7/2017	13:15:30	0.000	0.000	0.000
262	12/7/2017	13:16:30	0.000	0.000	0.000
263	12/7/2017	13:17:30	0.000	0.000	0.000
264	12/7/2017	13:18:30	0.000	0.000	0.000
265	12/7/2017	13:19:30	0.000	0.000	0.000
266	12/7/2017	13:20:30	0.000	0.000	0.000
267	12/7/2017	13:21:30	0.000	0.000	0.000
268	12/7/2017	13:22:30	0.000	0.000	0.000
269	12/7/2017	13:23:30	0.000	0.000	0.000
270	12/7/2017	13:24:30	0.000	0.000	0.000
271	12/7/2017	13:25:30	0.000	0.000	0.000
272	12/7/2017	13:26:30	0.000	0.000	0.000
273	12/7/2017	13:27:30	0.000	0.000	0.000
274	12/7/2017	13:28:30	0.000	0.000	0.000
275	12/7/2017	13:29:30	0.000	0.000	0.000
276	12/7/2017	13:30:30	0.000	0.000	0.000
277	12/7/2017	13:31:30	0.000	0.000	0.000
278	12/7/2017	13:32:30	0.000	0.000	0.000
279	12/7/2017	13:33:30	0.000	0.000	0.000
280	12/7/2017	13:34:30	0.000	0.000	0.000
281	12/7/2017	13:35:30	0.000	0.000	0.000
282	12/7/2017	13:36:30	0.000	0.000	0.000
283	12/7/2017	13:37:30	0.000	0.000	0.000
284	12/7/2017	13:38:30	0.000	0.000	0.000
285	12/7/2017	13:39:30	0.000	0.000	0.000
286	12/7/2017	13:40:30	0.000	0.000	0.000
287	12/7/2017	13:41:30	0.000	0.000	0.000
288	12/7/2017	13:42:30	0.000	0.000	0.000
289	12/7/2017	13:43:30	0.000	0.000	0.000
290	12/7/2017	13:44:30	0.000	0.000	0.000
291	12/7/2017	13:45:30	0.000	0.000	0.000
292	12/7/2017	13:46:30	0.000	0.000	0.000
293	12/7/2017	13:47:30	0.000	0.000	0.000
294	12/7/2017	13:48:30	0.000	0.000	0.000
295	12/7/2017	13:49:30	0.000	0.000	0.000
296	12/7/2017	13:50:30	0.000	0.000	0.000
297	12/7/2017	13:51:30	0.000	0.000	0.000
298	12/7/2017	13:52:30	0.000	0.000	0.000
299	12/7/2017	13:53:30	0.000	0.000	0.000
300	12/7/2017	13:54:30	0.000	0.000	0.000
301	12/7/2017	13:55:30	0.000	0.000	0.000
302	12/7/2017	13:56:30	0.000	0.000	0.000

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303	12/7/2017	13:57:30	0.000	0.000	0.000
304	12/7/2017	13:58:30	0.000	0.000	0.000
305	12/7/2017	13:59:30	0.000	0.000	0.000
306	12/7/2017	14:00:30	0.000	0.000	0.000
307	12/7/2017	14:01:30	0.000	0.000	0.000
308	12/7/2017	14:02:30	0.000	0.000	0.000
309	12/7/2017	14:03:30	0.000	0.000	0.000
310	12/7/2017	14:04:30	0.000	0.000	0.000
311	12/7/2017	14:05:30	0.000	0.000	0.000
312	12/7/2017	14:06:30	0.000	0.000	0.000
313	12/7/2017	14:07:30	0.000	0.000	0.000
314	12/7/2017	14:08:30	0.000	0.000	0.000
315	12/7/2017	14:09:30	0.000	0.000	0.000
316	12/7/2017	14:10:30	0.000	0.000	0.000
317	12/7/2017	14:11:30	0.000	0.000	0.000
318	12/7/2017	14:12:30	0.000	0.000	0.000
319	12/7/2017	14:13:30	0.000	0.000	0.000
320	12/7/2017	14:14:30	0.000	0.000	0.000
321	12/7/2017	14:15:30	0.000	0.000	0.000
322	12/7/2017	14:16:30	0.000	0.000	0.000
323	12/7/2017	14:17:30	0.000	0.000	0.000
324	12/7/2017	14:18:30	0.000	0.000	0.000
325	12/7/2017	14:19:30	0.000	0.000	0.000
326	12/7/2017	14:20:30	0.000	0.000	0.000
327	12/7/2017	14:21:30	0.000	0.000	0.000
328	12/7/2017	14:22:30	0.000	0.000	0.000
329	12/7/2017	14:23:30	0.000	0.000	0.000
330	12/7/2017	14:24:30	0.000	0.000	0.000
331	12/7/2017	14:25:30	0.000	0.000	0.000
332	12/7/2017	14:26:30	0.000	0.000	0.000
333	12/7/2017	14:27:30	0.000	0.000	0.000
334	12/7/2017	14:28:30	0.000	0.000	0.000
335	12/7/2017	14:29:30	0.000	0.000	0.000
336	12/7/2017	14:30:30	0.000	0.000	0.000
337	12/7/2017	14:31:30	0.000	0.000	0.000
338	12/7/2017	14:32:30	0.000	0.000	0.000
339	12/7/2017	14:33:30	0.000	0.000	0.000
340	12/7/2017	14:34:30	0.000	0.000	0.000
341	12/7/2017	14:35:30	0.000	0.000	0.000
342	12/7/2017	14:36:30	0.000	0.000	0.000
343	12/7/2017	14:37:30	0.000	0.000	0.000
344	12/7/2017	14:38:30	0.000	0.000	0.000
345	12/7/2017	14:39:30	0.000	0.000	0.000
346	12/7/2017	14:40:30	0.000	0.000	0.000
347	12/7/2017	14:41:30	0.000	0.000	0.000
348	12/7/2017	14:42:30	0.000	0.000	0.000
349	12/7/2017	14:43:30	0.000	0.000	0.000
350	12/7/2017	14:44:30	0.000	0.000	0.000

			Pine_24759_20180226		
351	12/7/2017	14:45:30	0.000	0.000	0.000
352	12/7/2017	14:46:30	0.000	0.000	0.000
353	12/7/2017	14:47:30	0.000	0.000	0.000
354	12/7/2017	14:48:30	0.000	0.000	0.000
355	12/7/2017	14:49:30	0.000	0.000	0.000
356	12/7/2017	14:50:30	0.000	0.000	0.000
357	12/7/2017	14:51:30	0.000	0.000	0.000
358	12/7/2017	14:52:30	0.000	0.000	0.000
359	12/7/2017	14:53:30	0.000	0.000	0.000
360	12/7/2017	14:54:30	0.000	0.000	0.000
361	12/7/2017	14:55:30	0.000	0.000	0.000
362	12/7/2017	14:56:30	0.000	0.000	0.000
363	12/7/2017	14:57:30	0.000	0.000	0.000
364	12/7/2017	14:58:30	0.000	0.000	0.000
365	12/7/2017	14:59:30	0.000	0.000	0.000
366	12/7/2017	15:00:30	0.000	0.000	0.000
367	12/7/2017	15:01:30	0.000	0.000	0.000
368	12/7/2017	15:02:30	0.000	0.000	0.000
369	12/7/2017	15:03:30	0.000	0.000	0.000
370	12/7/2017	15:04:30	0.000	0.000	0.000
371	12/7/2017	15:05:30	0.000	0.000	0.000
372	12/7/2017	15:06:30	0.000	0.000	0.000
373	12/7/2017	15:07:30	0.000	0.000	0.000
374	12/7/2017	15:08:30	0.000	0.000	0.000
375	12/7/2017	15:09:30	0.000	0.000	0.000
376	12/7/2017	15:10:30	0.000	0.000	0.000
377	12/7/2017	15:11:30	0.000	0.000	0.000
378	12/7/2017	15:12:30	0.000	0.005	0.103
379	12/7/2017	15:13:30	0.000	0.004	0.103
380	12/7/2017	15:14:30	0.000	0.000	0.000
381	12/7/2017	15:15:30	0.000	0.000	0.000
382	12/7/2017	15:16:30	0.000	0.000	0.000
383	12/7/2017	15:17:30	0.000	0.000	0.000
384	12/7/2017	15:18:30	0.000	0.000	0.000
385	12/7/2017	15:19:30	0.000	0.000	0.000
386	12/7/2017	15:20:30	0.000	0.000	0.000
387	12/7/2017	15:21:30	0.000	0.000	0.000
388	12/7/2017	15:22:30	0.000	0.000	0.000
389	12/7/2017	15:23:30	0.000	0.000	0.000
390	12/7/2017	15:24:30	0.000	0.000	0.000
391	12/7/2017	15:25:30	0.000	0.000	0.000
392	12/7/2017	15:26:30	0.000	0.000	0.000
393	12/7/2017	15:27:30	0.000	0.000	0.000
394	12/7/2017	15:28:30	0.000	0.000	0.000
395	12/7/2017	15:29:30	0.000	0.000	0.000
396	12/7/2017	15:30:30	0.000	0.000	0.000
397	12/7/2017	15:31:30	0.000	0.000	0.000
398	12/7/2017	15:32:30	0.000	0.000	0.000


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Pine_24759_20180226
399      12/7/2017 15:33:30      0.000      0.000      0.000
400      12/7/2017 15:34:30      0.000      0.000      0.000
401      12/7/2017 15:35:30      0.000      0.000      0.000
402      12/7/2017 15:36:30      0.000      0.000      0.000
403      12/7/2017 15:37:30      0.000      0.000      0.000
404      12/7/2017 15:38:30      0.000      0.000      0.000
405      12/7/2017 15:39:30      0.000      0.000      0.000
406      12/7/2017 15:40:30      0.000      0.000      0.000
407      12/7/2017 15:41:30      0.000      0.000      0.000
408      12/7/2017 15:42:30      0.000      0.000      0.000
409      12/7/2017 15:43:30      0.000      0.000      0.000
410      12/7/2017 15:44:30      0.000      0.000      0.000
411      12/7/2017 15:45:30      0.000      0.000      0.000
412      12/7/2017 15:46:30      0.000      0.000      0.000
413      12/7/2017 15:47:30      0.000      0.000      0.000
414      12/7/2017 15:48:30      0.000      0.000      0.000
415      12/7/2017 15:49:30      0.000      0.000      0.000
416      12/7/2017 15:50:30      0.000      0.000      0.000
417      12/7/2017 15:51:30      0.000      0.000      0.000
418      12/7/2017 15:52:30      0.000      0.000      0.000
419      12/7/2017 15:53:30      0.000      0.000      0.000
420      12/7/2017 15:54:30      0.000      0.000      0.000
421      12/7/2017 15:55:30      0.000      0.000      0.000
422      12/7/2017 15:56:30      0.000      0.000      0.000
423      12/7/2017 15:57:30      0.000      0.000      0.000
424      12/7/2017 15:58:30      0.000      0.000      0.000
425      12/7/2017 15:59:30      0.000      0.000      0.000
426      12/7/2017 16:00:30      0.000      0.000      0.000
427      12/7/2017 16:01:30      0.000      0.000      0.000
428      12/7/2017 16:02:30      0.000      0.000      0.000
429      12/7/2017 16:03:30      0.000      0.000      0.000
430      12/7/2017 16:04:30      0.000      0.000      0.000
431      12/7/2017 16:05:30      0.000      0.000      0.000
432      12/7/2017 16:06:30      0.000      0.000      0.000
433      12/7/2017 16:07:30      0.000      0.000      0.000
Peak          0.000      0.012      0.103
Min           0.000      0.000      0.000
Average       0.000      0.000      0.001

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17/12/11 08:06

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Summary

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Unit Name      MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver      V1.20
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Pine_24759_20180226

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

Site ID RAE00000
User ID 00000001

Begin 12/11/2017 08:06:27
End 12/11/2017 17:27:38
Sample Period(s) 60
Number of Records 561

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	12/11/2017 08:07:27	0.000	0.000	0.000	0.000
002	12/11/2017 08:08:27	0.000	0.000	0.000	0.000
003	12/11/2017 08:09:27	0.000	0.000	0.000	0.000
004	12/11/2017 08:10:27	0.000	0.000	0.000	0.000
005	12/11/2017 08:11:27	0.000	0.000	0.000	0.000
006	12/11/2017 08:12:27	0.000	0.000	0.000	0.000
007	12/11/2017 08:13:27	0.000	0.000	0.000	0.000
008	12/11/2017 08:14:27	0.000	0.000	0.000	0.000
009	12/11/2017 08:15:27	0.000	0.000	0.000	0.000
010	12/11/2017 08:16:27	0.000	0.000	0.000	0.000
011	12/11/2017 08:17:27	0.000	0.000	0.000	0.000
012	12/11/2017 08:18:27	0.000	0.000	0.000	0.000
013	12/11/2017 08:19:27	0.000	0.000	0.000	0.000
014	12/11/2017 08:20:27	0.000	0.000	0.000	0.000
015	12/11/2017 08:21:27	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
016	12/11/2017 08:22:27	0.000	0.000	0.000	
017	12/11/2017 08:23:27	0.000	0.000	0.000	
018	12/11/2017 08:24:27	0.000	0.000	0.000	
019	12/11/2017 08:25:27	0.000	0.000	0.000	
020	12/11/2017 08:26:27	0.000	0.000	0.000	
021	12/11/2017 08:27:27	0.000	0.000	0.000	
022	12/11/2017 08:28:27	0.000	0.000	0.000	
023	12/11/2017 08:29:27	0.000	0.000	0.000	
024	12/11/2017 08:30:27	0.000	0.000	0.000	
025	12/11/2017 08:31:27	0.000	0.000	0.000	
026	12/11/2017 08:32:27	0.000	0.000	0.000	
027	12/11/2017 08:33:27	0.000	0.000	0.000	
028	12/11/2017 08:34:27	0.000	0.000	0.000	
029	12/11/2017 08:35:27	0.000	0.000	0.000	
030	12/11/2017 08:36:27	0.000	0.000	0.000	
031	12/11/2017 08:37:27	0.000	0.000	0.000	
032	12/11/2017 08:38:27	0.000	0.000	0.000	
033	12/11/2017 08:39:27	0.000	0.000	0.000	
034	12/11/2017 08:40:27	0.000	0.000	0.000	
035	12/11/2017 08:41:27	0.000	0.000	0.000	
036	12/11/2017 08:42:27	0.000	0.000	0.000	
037	12/11/2017 08:43:27	0.000	0.000	0.000	
038	12/11/2017 08:44:27	0.000	0.000	0.000	
039	12/11/2017 08:45:27	0.000	0.000	0.000	
040	12/11/2017 08:46:27	0.000	0.000	0.000	
041	12/11/2017 08:47:27	0.000	0.000	0.000	
042	12/11/2017 08:48:27	0.000	0.000	0.000	
043	12/11/2017 08:49:27	0.000	0.000	0.000	
044	12/11/2017 08:50:27	0.000	0.000	0.000	
045	12/11/2017 08:51:27	0.000	0.000	0.000	
046	12/11/2017 08:52:27	0.000	0.000	0.000	
047	12/11/2017 08:53:27	0.000	0.000	0.000	
048	12/11/2017 08:54:27	0.000	0.000	0.000	
049	12/11/2017 08:55:27	0.000	0.000	0.000	
050	12/11/2017 08:56:27	0.000	0.000	0.000	
051	12/11/2017 08:57:27	0.000	0.000	0.000	
052	12/11/2017 08:58:27	0.000	0.000	0.000	
053	12/11/2017 08:59:27	0.000	0.000	0.000	
054	12/11/2017 09:00:27	0.000	0.000	0.000	
055	12/11/2017 09:01:27	0.000	0.000	0.000	
056	12/11/2017 09:02:27	0.000	0.000	0.000	
057	12/11/2017 09:03:27	0.000	0.000	0.000	
058	12/11/2017 09:04:27	0.000	0.000	0.000	
059	12/11/2017 09:05:27	0.000	0.000	0.000	
060	12/11/2017 09:06:27	0.000	0.000	0.000	
061	12/11/2017 09:07:27	0.000	0.000	0.000	
062	12/11/2017 09:08:27	0.000	0.000	0.000	
063	12/11/2017 09:09:27	0.000	0.000	0.000	

Pine_24759_20180226

064	12/11/2017 09:10:27	0.000	0.000	0.000
065	12/11/2017 09:11:27	0.000	0.000	0.000
066	12/11/2017 09:12:27	0.000	0.000	0.000
067	12/11/2017 09:13:27	0.000	0.000	0.000
068	12/11/2017 09:14:27	0.000	0.000	0.000
069	12/11/2017 09:15:27	0.000	0.000	0.000
070	12/11/2017 09:16:27	0.000	0.000	0.000
071	12/11/2017 09:17:27	0.000	0.000	0.000
072	12/11/2017 09:18:27	0.000	0.000	0.000
073	12/11/2017 09:19:27	0.000	0.000	0.000
074	12/11/2017 09:20:27	0.000	0.000	0.000
075	12/11/2017 09:21:27	0.000	0.000	0.000
076	12/11/2017 09:22:27	0.000	0.000	0.000
077	12/11/2017 09:23:27	0.000	0.000	0.000
078	12/11/2017 09:24:27	0.000	0.000	0.000
079	12/11/2017 09:25:27	0.000	0.000	0.000
080	12/11/2017 09:26:27	0.000	0.000	0.000
081	12/11/2017 09:27:27	0.000	0.000	0.000
082	12/11/2017 09:28:27	0.000	0.000	0.000
083	12/11/2017 09:29:27	0.000	0.000	0.000
084	12/11/2017 09:30:27	0.000	0.000	0.000
085	12/11/2017 09:31:27	0.000	0.000	0.000
086	12/11/2017 09:32:27	0.000	0.000	0.000
087	12/11/2017 09:33:27	0.000	0.000	0.000
088	12/11/2017 09:34:27	0.000	0.000	0.000
089	12/11/2017 09:35:27	0.000	0.000	0.000
090	12/11/2017 09:36:27	0.000	0.000	0.000
091	12/11/2017 09:37:27	0.000	0.000	0.000
092	12/11/2017 09:38:27	0.000	0.000	0.000
093	12/11/2017 09:39:27	0.000	0.000	0.000
094	12/11/2017 09:40:27	0.000	0.000	0.000
095	12/11/2017 09:41:27	0.000	0.000	0.000
096	12/11/2017 09:42:27	0.000	0.000	0.000
097	12/11/2017 09:43:27	0.000	0.000	0.000
098	12/11/2017 09:44:27	0.000	0.000	0.000
099	12/11/2017 09:45:27	0.000	0.000	0.000
100	12/11/2017 09:46:27	0.000	0.000	0.000
101	12/11/2017 09:47:27	0.000	0.000	0.000
102	12/11/2017 09:48:27	0.000	0.000	0.000
103	12/11/2017 09:49:27	0.000	0.000	0.000
104	12/11/2017 09:50:27	0.000	0.000	0.000
105	12/11/2017 09:51:27	0.000	0.000	0.000
106	12/11/2017 09:52:27	0.000	0.000	0.000
107	12/11/2017 09:53:27	0.000	0.000	0.000
108	12/11/2017 09:54:27	0.000	0.000	0.000
109	12/11/2017 09:55:27	0.000	0.000	0.000
110	12/11/2017 09:56:27	0.000	0.000	0.000
111	12/11/2017 09:57:27	0.000	0.000	0.000

			Pine_24759_20180226		
112	12/11/2017 09:58:27	0.000	0.000	0.000	
113	12/11/2017 09:59:27	0.000	0.000	0.000	
114	12/11/2017 10:00:27	0.000	0.000	0.000	
115	12/11/2017 10:01:27	0.000	0.000	0.000	
116	12/11/2017 10:02:27	0.000	0.000	0.000	
117	12/11/2017 10:03:27	0.000	0.000	0.000	
118	12/11/2017 10:04:27	0.000	0.000	0.000	
119	12/11/2017 10:05:27	0.000	0.000	0.000	
120	12/11/2017 10:06:27	0.000	0.000	0.000	
121	12/11/2017 10:07:27	0.000	0.000	0.000	
122	12/11/2017 10:08:27	0.000	0.000	0.000	
123	12/11/2017 10:09:27	0.000	0.000	0.000	
124	12/11/2017 10:10:27	0.000	0.000	0.000	
125	12/11/2017 10:11:27	0.000	0.000	0.000	
126	12/11/2017 10:12:27	0.000	0.000	0.000	
127	12/11/2017 10:13:27	0.000	0.000	0.000	
128	12/11/2017 10:14:27	0.000	0.000	0.000	
129	12/11/2017 10:15:27	0.000	0.000	0.000	
130	12/11/2017 10:16:27	0.000	0.000	0.000	
131	12/11/2017 10:17:27	0.000	0.000	0.000	
132	12/11/2017 10:18:27	0.000	0.000	0.000	
133	12/11/2017 10:19:27	0.000	0.000	0.000	
134	12/11/2017 10:20:27	0.000	0.000	0.000	
135	12/11/2017 10:21:27	0.000	0.000	0.000	
136	12/11/2017 10:22:27	0.000	0.000	0.000	
137	12/11/2017 10:23:27	0.000	0.000	0.000	
138	12/11/2017 10:24:27	0.000	0.000	0.000	
139	12/11/2017 10:25:27	0.000	0.000	0.000	
140	12/11/2017 10:26:27	0.000	0.000	0.000	
141	12/11/2017 10:27:27	0.000	0.000	0.000	
142	12/11/2017 10:28:27	0.000	0.000	0.000	
143	12/11/2017 10:29:27	0.000	0.000	0.000	
144	12/11/2017 10:30:27	0.000	0.000	0.000	
145	12/11/2017 10:31:27	0.000	0.000	0.000	
146	12/11/2017 10:32:27	0.000	0.000	0.000	
147	12/11/2017 10:33:27	0.000	0.000	0.000	
148	12/11/2017 10:34:27	0.000	0.000	0.000	
149	12/11/2017 10:35:27	0.000	0.000	0.000	
150	12/11/2017 10:36:27	0.000	0.000	0.000	
151	12/11/2017 10:37:27	0.000	0.000	0.000	
152	12/11/2017 10:38:27	0.000	0.000	0.000	
153	12/11/2017 10:39:27	0.000	0.000	0.000	
154	12/11/2017 10:40:27	0.000	0.000	0.000	
155	12/11/2017 10:41:27	0.000	0.000	0.000	
156	12/11/2017 10:42:27	0.000	0.000	0.000	
157	12/11/2017 10:43:27	0.000	0.000	0.000	
158	12/11/2017 10:44:27	0.000	0.000	0.000	
159	12/11/2017 10:45:27	0.000	0.000	0.000	

			Pine_24759_20180226		
160	12/11/2017	10:46:27	0.000	0.000	0.000
161	12/11/2017	10:47:27	0.000	0.000	0.000
162	12/11/2017	10:48:27	0.000	0.000	0.000
163	12/11/2017	10:49:27	0.000	0.000	0.000
164	12/11/2017	10:50:27	0.000	0.000	0.000
165	12/11/2017	10:51:27	0.000	0.000	0.000
166	12/11/2017	10:52:27	0.000	0.000	0.000
167	12/11/2017	10:53:27	0.000	0.000	0.000
168	12/11/2017	10:54:27	0.000	0.000	0.000
169	12/11/2017	10:55:27	0.000	0.000	0.000
170	12/11/2017	10:56:27	0.000	0.000	0.000
171	12/11/2017	10:57:27	0.000	0.000	0.000
172	12/11/2017	10:58:27	0.000	0.000	0.000
173	12/11/2017	10:59:27	0.000	0.000	0.000
174	12/11/2017	11:00:27	0.000	0.000	0.000
175	12/11/2017	11:01:27	0.000	0.000	0.000
176	12/11/2017	11:02:27	0.000	0.000	0.000
177	12/11/2017	11:03:27	0.000	0.000	0.000
178	12/11/2017	11:04:27	0.000	0.000	0.000
179	12/11/2017	11:05:27	0.000	0.000	0.000
180	12/11/2017	11:06:27	0.000	0.000	0.000
181	12/11/2017	11:07:27	0.000	0.000	0.000
182	12/11/2017	11:08:27	0.000	0.000	0.000
183	12/11/2017	11:09:27	0.000	0.000	0.000
184	12/11/2017	11:10:27	0.000	0.000	0.000
185	12/11/2017	11:11:27	0.000	0.000	0.000
186	12/11/2017	11:12:27	0.000	0.000	0.000
187	12/11/2017	11:13:27	0.000	0.000	0.000
188	12/11/2017	11:14:27	0.000	0.000	0.000
189	12/11/2017	11:15:27	0.000	0.000	0.000
190	12/11/2017	11:16:27	0.000	0.000	0.000
191	12/11/2017	11:17:27	0.000	0.000	0.000
192	12/11/2017	11:18:27	0.000	0.000	0.000
193	12/11/2017	11:19:27	0.000	0.000	0.000
194	12/11/2017	11:20:27	0.000	0.000	0.000
195	12/11/2017	11:21:27	0.000	0.000	0.000
196	12/11/2017	11:22:27	0.000	0.000	0.000
197	12/11/2017	11:23:27	0.000	0.000	0.000
198	12/11/2017	11:24:27	0.000	0.000	0.000
199	12/11/2017	11:25:27	0.000	0.000	0.000
200	12/11/2017	11:26:27	0.000	0.000	0.000
201	12/11/2017	11:27:27	0.000	0.000	0.000
202	12/11/2017	11:28:27	0.000	0.000	0.000
203	12/11/2017	11:29:27	0.000	0.000	0.000
204	12/11/2017	11:30:27	0.000	0.000	0.000
205	12/11/2017	11:31:27	0.000	0.000	0.000
206	12/11/2017	11:32:27	0.000	0.000	0.000
207	12/11/2017	11:33:27	0.000	0.000	0.000

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208	12/11/2017	11:34:27	0.000	0.000	0.000
209	12/11/2017	11:35:27	0.000	0.000	0.000
210	12/11/2017	11:36:27	0.000	0.000	0.000
211	12/11/2017	11:37:27	0.000	0.000	0.000
212	12/11/2017	11:38:27	0.000	0.000	0.000
213	12/11/2017	11:39:27	0.000	0.000	0.000
214	12/11/2017	11:40:27	0.000	0.000	0.000
215	12/11/2017	11:41:27	0.000	0.000	0.000
216	12/11/2017	11:42:27	0.000	0.000	0.000
217	12/11/2017	11:43:27	0.000	0.000	0.000
218	12/11/2017	11:44:27	0.000	0.000	0.000
219	12/11/2017	11:45:27	0.000	0.000	0.000
220	12/11/2017	11:46:27	0.000	0.000	0.000
221	12/11/2017	11:47:27	0.000	0.000	0.000
222	12/11/2017	11:48:27	0.000	0.000	0.000
223	12/11/2017	11:49:27	0.000	0.000	0.000
224	12/11/2017	11:50:27	0.000	0.000	0.000
225	12/11/2017	11:51:27	0.000	0.000	0.000
226	12/11/2017	11:52:27	0.000	0.000	0.000
227	12/11/2017	11:53:27	0.000	0.000	0.000
228	12/11/2017	11:54:27	0.000	0.000	0.000
229	12/11/2017	11:55:27	0.000	0.000	0.000
230	12/11/2017	11:56:27	0.000	0.000	0.000
231	12/11/2017	11:57:27	0.000	0.000	0.000
232	12/11/2017	11:58:27	0.000	0.000	0.000
233	12/11/2017	11:59:27	0.000	0.000	0.000
234	12/11/2017	12:00:27	0.000	0.000	0.000
235	12/11/2017	12:01:27	0.000	0.000	0.000
236	12/11/2017	12:02:27	0.000	0.000	0.000
237	12/11/2017	12:03:27	0.000	0.000	0.000
238	12/11/2017	12:04:27	0.000	0.000	0.000
239	12/11/2017	12:05:27	0.000	0.000	0.000
240	12/11/2017	12:06:27	0.000	0.000	0.000
241	12/11/2017	12:07:27	0.000	0.000	0.000
242	12/11/2017	12:08:27	0.000	0.000	0.000
243	12/11/2017	12:09:27	0.000	0.000	0.000
244	12/11/2017	12:10:27	0.000	0.000	0.000
245	12/11/2017	12:11:27	0.000	0.000	0.000
246	12/11/2017	12:12:27	0.000	0.000	0.000
247	12/11/2017	12:13:27	0.000	0.000	0.000
248	12/11/2017	12:14:27	0.000	0.000	0.000
249	12/11/2017	12:15:27	0.000	0.000	0.000
250	12/11/2017	12:16:27	0.000	0.000	0.000
251	12/11/2017	12:17:27	0.000	0.000	0.000
252	12/11/2017	12:18:27	0.000	0.000	0.000
253	12/11/2017	12:19:27	0.000	0.000	0.000
254	12/11/2017	12:20:27	0.000	0.000	0.000
255	12/11/2017	12:21:27	0.000	0.000	0.000

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256	12/11/2017	12:22:27	0.000	0.000	0.000
257	12/11/2017	12:23:27	0.000	0.000	0.000
258	12/11/2017	12:24:27	0.000	0.000	0.000
259	12/11/2017	12:25:27	0.000	0.000	0.000
260	12/11/2017	12:26:27	0.000	0.000	0.000
261	12/11/2017	12:27:27	0.000	0.000	0.000
262	12/11/2017	12:28:27	0.000	0.000	0.000
263	12/11/2017	12:29:27	0.000	0.000	0.000
264	12/11/2017	12:30:27	0.000	0.000	0.000
265	12/11/2017	12:31:27	0.000	0.000	0.000
266	12/11/2017	12:32:27	0.000	0.000	0.000
267	12/11/2017	12:33:27	0.000	0.000	0.000
268	12/11/2017	12:34:27	0.000	0.000	0.000
269	12/11/2017	12:35:27	0.000	0.000	0.000
270	12/11/2017	12:36:27	0.000	0.000	0.000
271	12/11/2017	12:37:27	0.000	0.000	0.000
272	12/11/2017	12:38:27	0.000	0.000	0.000
273	12/11/2017	12:39:27	0.000	0.000	0.000
274	12/11/2017	12:40:27	0.000	0.000	0.000
275	12/11/2017	12:41:27	0.000	0.000	0.000
276	12/11/2017	12:42:27	0.000	0.000	0.000
277	12/11/2017	12:43:27	0.000	0.000	0.000
278	12/11/2017	12:44:27	0.000	0.000	0.000
279	12/11/2017	12:45:27	0.000	0.000	0.000
280	12/11/2017	12:46:27	0.000	0.000	0.000
281	12/11/2017	12:47:27	0.000	0.000	0.000
282	12/11/2017	12:48:27	0.000	0.000	0.000
283	12/11/2017	12:49:27	0.000	0.000	0.000
284	12/11/2017	12:50:27	0.000	0.000	0.000
285	12/11/2017	12:51:27	0.000	0.000	0.000
286	12/11/2017	12:52:27	0.000	0.000	0.000
287	12/11/2017	12:53:27	0.000	0.000	0.000
288	12/11/2017	12:54:27	0.000	0.000	0.000
289	12/11/2017	12:55:27	0.000	0.000	0.000
290	12/11/2017	12:56:27	0.000	0.000	0.000
291	12/11/2017	12:57:27	0.000	0.000	0.000
292	12/11/2017	12:58:27	0.000	0.000	0.000
293	12/11/2017	12:59:27	0.000	0.000	0.000
294	12/11/2017	13:00:27	0.000	0.000	0.000
295	12/11/2017	13:01:27	0.000	0.000	0.000
296	12/11/2017	13:02:27	0.000	0.000	0.000
297	12/11/2017	13:03:27	0.000	0.000	0.000
298	12/11/2017	13:04:27	0.000	0.000	0.000
299	12/11/2017	13:05:27	0.000	0.000	0.000
300	12/11/2017	13:06:27	0.000	0.000	0.000
301	12/11/2017	13:07:27	0.000	0.000	0.000
302	12/11/2017	13:08:27	0.000	0.000	0.000
303	12/11/2017	13:09:27	0.000	0.000	0.000

			Pine_24759_20180226		
304	12/11/2017	13:10:27	0.000	0.000	0.000
305	12/11/2017	13:11:27	0.000	0.000	0.000
306	12/11/2017	13:12:27	0.000	0.000	0.000
307	12/11/2017	13:13:27	0.000	0.000	0.000
308	12/11/2017	13:14:27	0.000	0.000	0.000
309	12/11/2017	13:15:27	0.000	0.000	0.000
310	12/11/2017	13:16:27	0.000	0.000	0.000
311	12/11/2017	13:17:27	0.000	0.000	0.000
312	12/11/2017	13:18:27	0.000	0.000	0.000
313	12/11/2017	13:19:27	0.000	0.000	0.000
314	12/11/2017	13:20:27	0.000	0.000	0.000
315	12/11/2017	13:21:27	0.000	0.000	0.000
316	12/11/2017	13:22:27	0.000	0.000	0.000
317	12/11/2017	13:23:27	0.000	0.000	0.000
318	12/11/2017	13:24:27	0.000	0.000	0.000
319	12/11/2017	13:25:27	0.000	0.000	0.000
320	12/11/2017	13:26:27	0.000	0.000	0.000
321	12/11/2017	13:27:27	0.000	0.000	0.000
322	12/11/2017	13:28:27	0.000	0.000	0.000
323	12/11/2017	13:29:27	0.000	0.000	0.000
324	12/11/2017	13:30:27	0.000	0.000	0.000
325	12/11/2017	13:31:27	0.000	0.000	0.000
326	12/11/2017	13:32:27	0.000	0.000	0.000
327	12/11/2017	13:33:27	0.000	0.000	0.000
328	12/11/2017	13:34:27	0.000	0.000	0.000
329	12/11/2017	13:35:27	0.000	0.000	0.000
330	12/11/2017	13:36:27	0.000	0.000	0.000
331	12/11/2017	13:37:27	0.000	0.000	0.000
332	12/11/2017	13:38:27	0.000	0.000	0.000
333	12/11/2017	13:39:27	0.000	0.000	0.000
334	12/11/2017	13:40:27	0.000	0.000	0.000
335	12/11/2017	13:41:27	0.000	0.000	0.000
336	12/11/2017	13:42:27	0.000	0.000	0.000
337	12/11/2017	13:43:27	0.000	0.000	0.000
338	12/11/2017	13:44:27	0.000	0.000	0.000
339	12/11/2017	13:45:27	0.000	0.000	0.000
340	12/11/2017	13:46:27	0.000	0.000	0.000
341	12/11/2017	13:47:27	0.000	0.007	0.082
342	12/11/2017	13:48:27	0.000	0.000	0.000
343	12/11/2017	13:49:27	0.000	0.000	0.000
344	12/11/2017	13:50:27	0.000	0.000	0.000
345	12/11/2017	13:51:27	0.000	0.000	0.000
346	12/11/2017	13:52:27	0.000	0.000	0.000
347	12/11/2017	13:53:27	0.000	0.000	0.000
348	12/11/2017	13:54:27	0.000	0.000	0.000
349	12/11/2017	13:55:27	0.000	0.000	0.000
350	12/11/2017	13:56:27	0.000	0.000	0.000
351	12/11/2017	13:57:27	0.000	0.000	0.000

			Pine_24759_20180226		
352	12/11/2017	13:58:27	0.000	0.000	0.000
353	12/11/2017	13:59:27	0.000	0.000	0.000
354	12/11/2017	14:00:27	0.000	0.000	0.000
355	12/11/2017	14:01:27	0.000	0.000	0.000
356	12/11/2017	14:02:27	0.000	0.000	0.000
357	12/11/2017	14:03:27	0.000	0.000	0.000
358	12/11/2017	14:04:27	0.000	0.000	0.000
359	12/11/2017	14:05:27	0.000	0.000	0.000
360	12/11/2017	14:06:27	0.000	0.000	0.000
361	12/11/2017	14:07:27	0.000	0.000	0.000
362	12/11/2017	14:08:27	0.000	0.000	0.000
363	12/11/2017	14:09:27	0.000	0.000	0.000
364	12/11/2017	14:10:27	0.000	0.000	0.000
365	12/11/2017	14:11:27	0.000	0.000	0.000
366	12/11/2017	14:12:27	0.000	0.000	0.000
367	12/11/2017	14:13:27	0.000	0.000	0.000
368	12/11/2017	14:14:27	0.000	0.000	0.000
369	12/11/2017	14:15:27	0.000	0.000	0.000
370	12/11/2017	14:16:27	0.000	0.000	0.000
371	12/11/2017	14:17:27	0.000	0.000	0.000
372	12/11/2017	14:18:27	0.000	0.000	0.000
373	12/11/2017	14:19:27	0.000	0.000	0.000
374	12/11/2017	14:20:27	0.000	0.000	0.000
375	12/11/2017	14:21:27	0.000	0.000	0.000
376	12/11/2017	14:22:27	0.000	0.000	0.000
377	12/11/2017	14:23:27	0.000	0.000	0.000
378	12/11/2017	14:24:27	0.000	0.000	0.000
379	12/11/2017	14:25:27	0.000	0.000	0.000
380	12/11/2017	14:26:27	0.000	0.000	0.000
381	12/11/2017	14:27:27	0.000	0.000	0.000
382	12/11/2017	14:28:27	0.000	0.000	0.000
383	12/11/2017	14:29:27	0.000	0.000	0.000
384	12/11/2017	14:30:27	0.000	0.000	0.000
385	12/11/2017	14:31:27	0.000	0.000	0.000
386	12/11/2017	14:32:27	0.000	0.000	0.000
387	12/11/2017	14:33:27	0.000	0.000	0.000
388	12/11/2017	14:34:27	0.000	0.000	0.000
389	12/11/2017	14:35:27	0.000	0.000	0.000
390	12/11/2017	14:36:27	0.000	0.000	0.000
391	12/11/2017	14:37:27	0.000	0.000	0.000
392	12/11/2017	14:38:27	0.000	0.000	0.000
393	12/11/2017	14:39:27	0.000	0.000	0.000
394	12/11/2017	14:40:27	0.000	0.000	0.000
395	12/11/2017	14:41:27	0.000	0.000	0.000
396	12/11/2017	14:42:27	0.000	0.000	0.000
397	12/11/2017	14:43:27	0.000	0.000	0.000
398	12/11/2017	14:44:27	0.000	0.000	0.000
399	12/11/2017	14:45:27	0.000	0.000	0.000

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400	12/11/2017	14:46:27	0.000	0.000	0.000
401	12/11/2017	14:47:27	0.000	0.000	0.000
402	12/11/2017	14:48:27	0.000	0.000	0.000
403	12/11/2017	14:49:27	0.000	0.000	0.000
404	12/11/2017	14:50:27	0.000	0.000	0.000
405	12/11/2017	14:51:27	0.000	0.000	0.000
406	12/11/2017	14:52:27	0.000	0.000	0.000
407	12/11/2017	14:53:27	0.000	0.000	0.000
408	12/11/2017	14:54:27	0.000	0.000	0.000
409	12/11/2017	14:55:27	0.000	0.000	0.000
410	12/11/2017	14:56:27	0.000	0.000	0.000
411	12/11/2017	14:57:27	0.000	0.000	0.000
412	12/11/2017	14:58:27	0.000	0.000	0.000
413	12/11/2017	14:59:27	0.000	0.000	0.000
414	12/11/2017	15:00:27	0.000	0.000	0.000
415	12/11/2017	15:01:27	0.000	0.000	0.000
416	12/11/2017	15:02:27	0.000	0.000	0.000
417	12/11/2017	15:03:27	0.000	0.000	0.000
418	12/11/2017	15:04:27	0.000	0.000	0.000
419	12/11/2017	15:05:27	0.000	0.000	0.000
420	12/11/2017	15:06:27	0.000	0.000	0.000
421	12/11/2017	15:07:27	0.000	0.000	0.000
422	12/11/2017	15:08:27	0.000	0.000	0.000
423	12/11/2017	15:09:27	0.000	0.000	0.000
424	12/11/2017	15:10:27	0.000	0.000	0.000
425	12/11/2017	15:11:27	0.000	0.000	0.000
426	12/11/2017	15:12:27	0.000	0.000	0.000
427	12/11/2017	15:13:27	0.000	0.000	0.000
428	12/11/2017	15:14:27	0.000	0.000	0.000
429	12/11/2017	15:15:27	0.000	0.000	0.000
430	12/11/2017	15:16:27	0.000	0.000	0.000
431	12/11/2017	15:17:27	0.000	0.000	0.000
432	12/11/2017	15:18:27	0.000	0.000	0.000
433	12/11/2017	15:19:27	0.000	0.000	0.000
434	12/11/2017	15:20:27	0.000	0.000	0.000
435	12/11/2017	15:21:27	0.000	0.000	0.000
436	12/11/2017	15:22:27	0.000	0.000	0.000
437	12/11/2017	15:23:27	0.000	0.000	0.000
438	12/11/2017	15:24:27	0.000	0.000	0.000
439	12/11/2017	15:25:27	0.000	0.000	0.000
440	12/11/2017	15:26:27	0.000	0.000	0.000
441	12/11/2017	15:27:27	0.000	0.000	0.000
442	12/11/2017	15:28:27	0.000	0.000	0.000
443	12/11/2017	15:29:27	0.000	0.000	0.000
444	12/11/2017	15:30:27	0.000	0.000	0.000
445	12/11/2017	15:31:27	0.000	0.000	0.000
446	12/11/2017	15:32:27	0.000	0.000	0.000
447	12/11/2017	15:33:27	0.000	0.000	0.000

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448	12/11/2017	15:34:27	0.000	0.000	0.000
449	12/11/2017	15:35:27	0.000	0.000	0.000
450	12/11/2017	15:36:27	0.000	0.000	0.000
451	12/11/2017	15:37:27	0.000	0.000	0.000
452	12/11/2017	15:38:27	0.000	0.000	0.000
453	12/11/2017	15:39:27	0.000	0.000	0.000
454	12/11/2017	15:40:27	0.000	0.000	0.000
455	12/11/2017	15:41:27	0.000	0.000	0.000
456	12/11/2017	15:42:27	0.000	0.000	0.000
457	12/11/2017	15:43:27	0.000	0.000	0.000
458	12/11/2017	15:44:27	0.000	0.000	0.000
459	12/11/2017	15:45:27	0.000	0.000	0.000
460	12/11/2017	15:46:27	0.000	0.000	0.000
461	12/11/2017	15:47:27	0.000	0.000	0.000
462	12/11/2017	15:48:27	0.000	0.000	0.000
463	12/11/2017	15:49:27	0.000	0.000	0.000
464	12/11/2017	15:50:27	0.000	0.000	0.000
465	12/11/2017	15:51:27	0.000	0.000	0.000
466	12/11/2017	15:52:27	0.000	0.000	0.000
467	12/11/2017	15:53:27	0.000	0.000	0.000
468	12/11/2017	15:54:27	0.000	0.000	0.000
469	12/11/2017	15:55:27	0.000	0.000	0.000
470	12/11/2017	15:56:27	0.000	0.000	0.000
471	12/11/2017	15:57:27	0.000	0.000	0.000
472	12/11/2017	15:58:27	0.000	0.000	0.000
473	12/11/2017	15:59:27	0.000	0.000	0.000
474	12/11/2017	16:00:27	0.000	0.000	0.000
475	12/11/2017	16:01:27	0.000	0.000	0.000
476	12/11/2017	16:02:27	0.000	0.000	0.000
477	12/11/2017	16:03:27	0.000	0.000	0.000
478	12/11/2017	16:04:27	0.000	0.000	0.000
479	12/11/2017	16:05:27	0.000	0.000	0.000
480	12/11/2017	16:06:27	0.000	0.000	0.000
481	12/11/2017	16:07:27	0.000	0.000	0.000
482	12/11/2017	16:08:27	0.000	0.000	0.000
483	12/11/2017	16:09:27	0.000	0.000	0.000
484	12/11/2017	16:10:27	0.000	0.000	0.000
485	12/11/2017	16:11:27	0.000	0.000	0.000
486	12/11/2017	16:12:27	0.000	0.000	0.000
487	12/11/2017	16:13:27	0.000	0.000	0.000
488	12/11/2017	16:14:27	0.000	0.000	0.000
489	12/11/2017	16:15:27	0.000	0.000	0.000
490	12/11/2017	16:16:27	0.000	0.000	0.000
491	12/11/2017	16:17:27	0.000	0.000	0.000
492	12/11/2017	16:18:27	0.000	0.000	0.000
493	12/11/2017	16:19:27	0.000	0.000	0.000
494	12/11/2017	16:20:27	0.000	0.000	0.000
495	12/11/2017	16:21:27	0.000	0.000	0.000

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496	12/11/2017	16:22:27	0.000	0.000	0.000
497	12/11/2017	16:23:27	0.000	0.000	0.000
498	12/11/2017	16:24:27	0.000	0.000	0.000
499	12/11/2017	16:25:27	0.000	0.000	0.000
500	12/11/2017	16:26:27	0.000	0.000	0.000
501	12/11/2017	16:27:27	0.000	0.000	0.000
502	12/11/2017	16:28:27	0.000	0.000	0.000
503	12/11/2017	16:29:27	0.000	0.000	0.000
504	12/11/2017	16:30:27	0.000	0.000	0.000
505	12/11/2017	16:31:27	0.000	0.000	0.000
506	12/11/2017	16:32:27	0.000	0.000	0.000
507	12/11/2017	16:33:27	0.000	0.000	0.000
508	12/11/2017	16:34:27	0.000	0.000	0.000
509	12/11/2017	16:35:27	0.000	0.000	0.000
510	12/11/2017	16:36:27	0.000	0.000	0.000
511	12/11/2017	16:37:27	0.000	0.000	0.000
512	12/11/2017	16:38:27	0.000	0.000	0.000
513	12/11/2017	16:39:27	0.000	0.000	0.000
514	12/11/2017	16:40:27	0.000	0.000	0.000
515	12/11/2017	16:41:27	0.000	0.000	0.000
516	12/11/2017	16:42:27	0.000	0.000	0.000
517	12/11/2017	16:43:27	0.000	0.000	0.000
518	12/11/2017	16:44:27	0.000	0.000	0.000
519	12/11/2017	16:45:27	0.000	0.000	0.000
520	12/11/2017	16:46:27	0.000	0.000	0.000
521	12/11/2017	16:47:27	0.000	0.000	0.000
522	12/11/2017	16:48:27	0.000	0.000	0.000
523	12/11/2017	16:49:27	0.000	0.000	0.000
524	12/11/2017	16:50:27	0.000	0.000	0.000
525	12/11/2017	16:51:27	0.000	0.000	0.000
526	12/11/2017	16:52:27	0.000	0.000	0.000
527	12/11/2017	16:53:27	0.000	0.000	0.000
528	12/11/2017	16:54:27	0.000	0.000	0.000
529	12/11/2017	16:55:27	0.000	0.000	0.000
530	12/11/2017	16:56:27	0.000	0.000	0.000
531	12/11/2017	16:57:27	0.000	0.000	0.000
532	12/11/2017	16:58:27	0.000	0.000	0.000
533	12/11/2017	16:59:27	0.000	0.000	0.000
534	12/11/2017	17:00:27	0.000	0.000	0.000
535	12/11/2017	17:01:27	0.000	0.000	0.000
536	12/11/2017	17:02:27	0.000	0.000	0.000
537	12/11/2017	17:03:27	0.000	0.000	0.000
538	12/11/2017	17:04:27	0.000	0.000	0.000
539	12/11/2017	17:05:27	0.000	0.000	0.000
540	12/11/2017	17:06:27	0.000	0.000	0.000
541	12/11/2017	17:07:27	0.000	0.000	0.000
542	12/11/2017	17:08:27	0.000	0.000	0.000
543	12/11/2017	17:09:27	0.000	0.000	0.000

			Pine_24759_20180226		
544	12/11/2017	17:10:27	0.000	0.000	0.000
545	12/11/2017	17:11:27	0.000	0.000	0.000
546	12/11/2017	17:12:27	0.000	0.000	0.000
547	12/11/2017	17:13:27	0.000	0.000	0.000
548	12/11/2017	17:14:27	0.000	0.000	0.000
549	12/11/2017	17:15:27	0.000	0.000	0.000
550	12/11/2017	17:16:27	0.000	0.000	0.000
551	12/11/2017	17:17:27	0.000	0.000	0.000
552	12/11/2017	17:18:27	0.000	0.000	0.000
553	12/11/2017	17:19:27	0.000	0.000	0.000
554	12/11/2017	17:20:27	0.000	0.000	0.000
555	12/11/2017	17:21:27	0.000	0.000	0.000
556	12/11/2017	17:22:27	0.000	0.000	0.000
557	12/11/2017	17:23:27	0.000	0.000	0.000
558	12/11/2017	17:24:27	0.000	0.000	0.000
559	12/11/2017	17:25:27	0.000	0.000	0.002
560	12/11/2017	17:26:27	0.000	0.002	0.007
561	12/11/2017	17:27:27	0.004	0.007	0.012
Peak			0.004	0.007	0.082
Min			0.000	0.000	0.000
Average			0.000	0.000	0.000

=====

17/12/12 07:59

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Battery Low

Site ID RAE00000

User ID 00000001

Begin 12/12/2017 07:59:50

End 12/12/2017 12:00:15

Sample Period(s) 60

Number of Records 240

Sensor VOC(ppm)

Span 100.000

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Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	12/12/2017 08:00:50	0.000	0.000	0.000	0.000
002	12/12/2017 08:01:50	0.000	0.000	0.000	0.000
003	12/12/2017 08:02:50	0.000	0.000	0.000	0.000
004	12/12/2017 08:03:50	0.000	0.000	0.000	0.000
005	12/12/2017 08:04:50	0.000	0.000	0.000	0.000
006	12/12/2017 08:05:50	0.000	0.000	0.000	0.000
007	12/12/2017 08:06:50	0.000	0.000	0.000	0.000
008	12/12/2017 08:07:50	0.000	0.000	0.000	0.000
009	12/12/2017 08:08:50	0.000	0.000	0.000	0.000
010	12/12/2017 08:09:50	0.000	0.000	0.000	0.000
011	12/12/2017 08:10:50	0.000	0.000	0.000	0.000
012	12/12/2017 08:11:50	0.000	0.000	0.000	0.000
013	12/12/2017 08:12:50	0.000	0.000	0.000	0.000
014	12/12/2017 08:13:50	0.000	0.000	0.000	0.000
015	12/12/2017 08:14:50	0.000	0.000	0.000	0.000
016	12/12/2017 08:15:50	0.000	0.000	0.000	0.000
017	12/12/2017 08:16:50	0.000	0.000	0.000	0.000
018	12/12/2017 08:17:50	0.000	0.000	0.000	0.000
019	12/12/2017 08:18:50	0.000	0.000	0.000	0.000
020	12/12/2017 08:19:50	0.000	0.000	0.000	0.000
021	12/12/2017 08:20:50	0.000	0.000	0.000	0.000
022	12/12/2017 08:21:50	0.000	0.000	0.000	0.000
023	12/12/2017 08:22:50	0.000	0.000	0.000	0.000
024	12/12/2017 08:23:50	0.000	0.000	0.000	0.000
025	12/12/2017 08:24:50	0.000	0.000	0.000	0.000
026	12/12/2017 08:25:50	0.000	0.000	0.000	0.000
027	12/12/2017 08:26:50	0.000	0.000	0.000	0.000
028	12/12/2017 08:27:50	0.000	0.000	0.000	0.000
029	12/12/2017 08:28:50	0.000	0.000	0.000	0.000
030	12/12/2017 08:29:50	0.000	0.000	0.000	0.000
031	12/12/2017 08:30:50	0.000	0.000	0.000	0.000
032	12/12/2017 08:31:50	0.000	0.000	0.000	0.000

		Pine_24759_20180226			
033	12/12/2017 08:32:50	0.000	0.000	0.000	
034	12/12/2017 08:33:50	0.000	0.000	0.000	
035	12/12/2017 08:34:50	0.000	0.000	0.001	
036	12/12/2017 08:35:50	0.000	0.000	0.001	
037	12/12/2017 08:36:50	0.000	0.000	0.002	
038	12/12/2017 08:37:50	0.000	0.000	0.002	
039	12/12/2017 08:38:50	0.000	0.000	0.002	
040	12/12/2017 08:39:50	0.000	0.002	0.004	
041	12/12/2017 08:40:50	0.001	0.003	0.005	
042	12/12/2017 08:41:50	0.001	0.004	0.006	
043	12/12/2017 08:42:50	0.005	0.007	0.010	
044	12/12/2017 08:43:50	0.007	0.008	0.012	
045	12/12/2017 08:44:50	0.009	0.012	0.015	
046	12/12/2017 08:45:50	0.011	0.013	0.015	
047	12/12/2017 08:46:50	0.013	0.015	0.018	
048	12/12/2017 08:47:50	0.014	0.016	0.022	
049	12/12/2017 08:48:50	0.013	0.016	0.019	
050	12/12/2017 08:49:50	0.015	0.017	0.019	
051	12/12/2017 08:50:50	0.013	0.015	0.020	
052	12/12/2017 08:51:50	0.009	0.012	0.015	
053	12/12/2017 08:52:50	0.011	0.012	0.016	
054	12/12/2017 08:53:50	0.008	0.010	0.012	
055	12/12/2017 08:54:50	0.008	0.009	0.012	
056	12/12/2017 08:55:50	0.007	0.010	0.012	
057	12/12/2017 08:56:50	0.007	0.008	0.011	
058	12/12/2017 08:57:50	0.005	0.007	0.009	
059	12/12/2017 08:58:50	0.003	0.005	0.008	
060	12/12/2017 08:59:50	0.003	0.006	0.009	
061	12/12/2017 09:00:50	0.005	0.007	0.011	
062	12/12/2017 09:01:50	0.005	0.006	0.009	
063	12/12/2017 09:02:50	0.007	0.009	0.013	
064	12/12/2017 09:03:50	0.011	0.012	0.015	
065	12/12/2017 09:04:50	0.008	0.011	0.014	
066	12/12/2017 09:05:50	0.005	0.009	0.013	
067	12/12/2017 09:06:50	0.009	0.012	0.016	
068	12/12/2017 09:07:50	0.010	0.012	0.014	
069	12/12/2017 09:08:50	0.013	0.014	0.016	
070	12/12/2017 09:09:50	0.009	0.011	0.014	
071	12/12/2017 09:10:50	0.009	0.011	0.017	
072	12/12/2017 09:11:50	0.011	0.013	0.017	
073	12/12/2017 09:12:50	0.011	0.013	0.016	
074	12/12/2017 09:13:50	0.012	0.014	0.016	
075	12/12/2017 09:14:50	0.015	0.016	0.020	
076	12/12/2017 09:15:50	0.015	0.017	0.020	
077	12/12/2017 09:16:50	0.015	0.017	0.019	
078	12/12/2017 09:17:50	0.017	0.019	0.023	
079	12/12/2017 09:18:50	0.021	0.023	0.026	
080	12/12/2017 09:19:50	0.020	0.024	0.027	

		Pine_24759_20180226		
081	12/12/2017 09:20:50	0.023	0.025	0.027
082	12/12/2017 09:21:50	0.021	0.026	0.030
083	12/12/2017 09:22:50	0.023	0.025	0.029
084	12/12/2017 09:23:50	0.025	0.028	0.031
085	12/12/2017 09:24:50	0.025	0.029	0.032
086	12/12/2017 09:25:50	0.021	0.023	0.026
087	12/12/2017 09:26:50	0.019	0.021	0.024
088	12/12/2017 09:27:50	0.020	0.023	0.027
089	12/12/2017 09:28:50	0.021	0.024	0.027
090	12/12/2017 09:29:50	0.025	0.027	0.029
091	12/12/2017 09:30:50	0.026	0.028	0.031
092	12/12/2017 09:31:50	0.029	0.030	0.033
093	12/12/2017 09:32:50	0.032	0.033	0.037
094	12/12/2017 09:33:50	0.032	0.034	0.039
095	12/12/2017 09:34:50	0.036	0.040	0.042
096	12/12/2017 09:35:50	0.037	0.041	0.045
097	12/12/2017 09:36:50	0.034	0.037	0.042
098	12/12/2017 09:37:50	0.035	0.040	0.046
099	12/12/2017 09:38:50	0.036	0.038	0.042
100	12/12/2017 09:39:50	0.032	0.036	0.040
101	12/12/2017 09:40:50	0.031	0.033	0.035
102	12/12/2017 09:41:50	0.028	0.031	0.034
103	12/12/2017 09:42:50	0.019	0.023	0.030
104	12/12/2017 09:43:50	0.016	0.018	0.020
105	12/12/2017 09:44:50	0.013	0.016	0.020
106	12/12/2017 09:45:50	0.000	0.007	0.015
107	12/12/2017 09:46:50	0.000	0.000	0.000
108	12/12/2017 09:47:50	0.000	0.000	0.000
109	12/12/2017 09:48:50	0.000	0.000	0.000
110	12/12/2017 09:49:50	0.000	0.000	0.000
111	12/12/2017 09:50:50	0.000	0.000	0.000
112	12/12/2017 09:51:50	0.000	0.000	0.000
113	12/12/2017 09:52:50	0.000	0.000	0.000
114	12/12/2017 09:53:50	0.000	0.000	0.000
115	12/12/2017 09:54:50	0.000	0.000	0.000
116	12/12/2017 09:55:50	0.000	0.000	0.000
117	12/12/2017 09:56:50	0.000	0.000	0.000
118	12/12/2017 09:57:50	0.000	0.000	0.000
119	12/12/2017 09:58:50	0.000	0.000	0.000
120	12/12/2017 09:59:50	0.000	0.000	0.000
121	12/12/2017 10:00:50	0.000	0.000	0.000
122	12/12/2017 10:01:50	0.000	0.000	0.000
123	12/12/2017 10:02:50	0.000	0.000	0.000
124	12/12/2017 10:03:50	0.000	0.000	0.000
125	12/12/2017 10:04:50	0.000	0.000	0.000
126	12/12/2017 10:05:50	0.000	0.000	0.000
127	12/12/2017 10:06:50	0.000	0.000	0.000
128	12/12/2017 10:07:50	0.000	0.000	0.000

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129	12/12/2017 10:08:50	0.000	0.000	0.000
130	12/12/2017 10:09:50	0.000	0.000	0.000
131	12/12/2017 10:10:50	0.000	0.000	0.000
132	12/12/2017 10:11:50	0.000	0.000	0.000
133	12/12/2017 10:12:50	0.000	0.000	0.000
134	12/12/2017 10:13:50	0.000	0.000	0.000
135	12/12/2017 10:14:50	0.000	0.000	0.000
136	12/12/2017 10:15:50	0.000	0.000	0.000
137	12/12/2017 10:16:50	0.000	0.000	0.000
138	12/12/2017 10:17:50	0.000	0.000	0.000
139	12/12/2017 10:18:50	0.000	0.000	0.000
140	12/12/2017 10:19:50	0.000	0.000	0.000
141	12/12/2017 10:20:50	0.000	0.000	0.000
142	12/12/2017 10:21:50	0.000	0.000	0.000
143	12/12/2017 10:22:50	0.000	0.000	0.000
144	12/12/2017 10:23:50	0.000	0.000	0.000
145	12/12/2017 10:24:50	0.000	0.000	0.000
146	12/12/2017 10:25:50	0.000	0.000	0.000
147	12/12/2017 10:26:50	0.000	0.000	0.000
148	12/12/2017 10:27:50	0.000	0.000	0.000
149	12/12/2017 10:28:50	0.000	0.000	0.000
150	12/12/2017 10:29:50	0.000	0.000	0.000
151	12/12/2017 10:30:50	0.000	0.000	0.000
152	12/12/2017 10:31:50	0.000	0.000	0.000
153	12/12/2017 10:32:50	0.000	0.000	0.000
154	12/12/2017 10:33:50	0.000	0.000	0.000
155	12/12/2017 10:34:50	0.000	0.000	0.000
156	12/12/2017 10:35:50	0.000	0.000	0.000
157	12/12/2017 10:36:50	0.000	0.000	0.000
158	12/12/2017 10:37:50	0.000	0.000	0.000
159	12/12/2017 10:38:50	0.000	0.000	0.000
160	12/12/2017 10:39:50	0.000	0.000	0.000
161	12/12/2017 10:40:50	0.000	0.000	0.000
162	12/12/2017 10:41:50	0.000	0.000	0.000
163	12/12/2017 10:42:50	0.000	0.000	0.000
164	12/12/2017 10:43:50	0.000	0.000	0.000
165	12/12/2017 10:44:50	0.000	0.000	0.000
166	12/12/2017 10:45:50	0.000	0.000	0.000
167	12/12/2017 10:46:50	0.000	0.000	0.000
168	12/12/2017 10:47:50	0.000	0.000	0.000
169	12/12/2017 10:48:50	0.000	0.000	0.000
170	12/12/2017 10:49:50	0.000	0.000	0.000
171	12/12/2017 10:50:50	0.000	0.000	0.000
172	12/12/2017 10:51:50	0.000	0.000	0.000
173	12/12/2017 10:52:50	0.000	0.000	0.000
174	12/12/2017 10:53:50	0.000	0.000	0.000
175	12/12/2017 10:54:50	0.000	0.000	0.000
176	12/12/2017 10:55:50	0.000	0.000	0.000

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177	12/12/2017 10:56:50	0.000	0.000	0.000
178	12/12/2017 10:57:50	0.000	0.000	0.000
179	12/12/2017 10:58:50	0.000	0.000	0.000
180	12/12/2017 10:59:50	0.000	0.000	0.000
181	12/12/2017 11:00:50	0.000	0.000	0.000
182	12/12/2017 11:01:50	0.000	0.000	0.000
183	12/12/2017 11:02:50	0.000	0.000	0.000
184	12/12/2017 11:03:50	0.000	0.000	0.000
185	12/12/2017 11:04:50	0.000	0.000	0.000
186	12/12/2017 11:05:50	0.000	0.000	0.000
187	12/12/2017 11:06:50	0.000	0.000	0.000
188	12/12/2017 11:07:50	0.000	0.000	0.000
189	12/12/2017 11:08:50	0.000	0.000	0.000
190	12/12/2017 11:09:50	0.000	0.000	0.000
191	12/12/2017 11:10:50	0.000	0.000	0.000
192	12/12/2017 11:11:50	0.000	0.000	0.000
193	12/12/2017 11:12:50	0.000	0.000	0.000
194	12/12/2017 11:13:50	0.000	0.000	0.000
195	12/12/2017 11:14:50	0.000	0.000	0.000
196	12/12/2017 11:15:50	0.000	0.000	0.000
197	12/12/2017 11:16:50	0.000	0.000	0.000
198	12/12/2017 11:17:50	0.000	0.000	0.000
199	12/12/2017 11:18:50	0.000	0.000	0.000
200	12/12/2017 11:19:50	0.000	0.000	0.000
201	12/12/2017 11:20:50	0.000	0.000	0.000
202	12/12/2017 11:21:50	0.000	0.000	0.000
203	12/12/2017 11:22:50	0.000	0.000	0.000
204	12/12/2017 11:23:50	0.000	0.000	0.000
205	12/12/2017 11:24:50	0.000	0.000	0.000
206	12/12/2017 11:25:50	0.000	0.000	0.000
207	12/12/2017 11:26:50	0.000	0.000	0.000
208	12/12/2017 11:27:50	0.000	0.000	0.000
209	12/12/2017 11:28:50	0.000	0.000	0.000
210	12/12/2017 11:29:50	0.000	0.000	0.000
211	12/12/2017 11:30:50	0.000	0.000	0.000
212	12/12/2017 11:31:50	0.000	0.000	0.000
213	12/12/2017 11:32:50	0.000	0.000	0.000
214	12/12/2017 11:33:50	0.000	0.000	0.000
215	12/12/2017 11:34:50	0.000	0.000	0.000
216	12/12/2017 11:35:50	0.000	0.000	0.000
217	12/12/2017 11:36:50	0.000	0.000	0.000
218	12/12/2017 11:37:50	0.000	0.000	0.000
219	12/12/2017 11:38:50	0.000	0.000	0.000
220	12/12/2017 11:39:50	0.000	0.000	0.000
221	12/12/2017 11:40:50	0.000	0.000	0.000
222	12/12/2017 11:41:50	0.000	0.000	0.000
223	12/12/2017 11:42:50	0.000	0.000	0.000
224	12/12/2017 11:43:50	0.000	0.000	0.000

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225	12/12/2017 11:44:50	0.000	0.000 0.000
226	12/12/2017 11:45:50	0.000	0.000 0.000
227	12/12/2017 11:46:50	0.000	0.000 0.000
228	12/12/2017 11:47:50	0.000	0.000 0.000
229	12/12/2017 11:48:50	0.000	0.000 0.000
230	12/12/2017 11:49:50	0.000	0.000 0.000
231	12/12/2017 11:50:50	0.000	0.000 0.000
232	12/12/2017 11:51:50	0.000	0.000 0.000
233	12/12/2017 11:52:50	0.000	0.000 0.000
234	12/12/2017 11:53:50	0.000	0.000 0.000
235	12/12/2017 11:54:50	0.000	0.000 0.000
236	12/12/2017 11:55:50	0.000	0.000 0.000
237	12/12/2017 11:56:50	0.000	0.000 0.000
238	12/12/2017 11:57:50	0.000	0.000 0.000
239	12/12/2017 11:58:50	0.000	0.000 0.000
240	12/12/2017 11:59:50	0.000	0.000 0.000
Peak	0.037	0.041	0.046
Min	0.000	0.000	0.000
Average	0.004	0.005	0.006

17/12/15 10:33

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin 12/15/2017 10:33:58
End 12/15/2017 10:35:53
Sample Period(s) 60
Number of Records 1

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000

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High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	12/15/2017 10:34:58	0.000	0.003	0.025	0.025
Peak		0.000	0.003	0.025	
Min		0.000	0.003	0.025	
Average		0.000	0.003	0.025	

=====

18/01/16 10:22

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin 1/16/2018 10:22:29
End 1/16/2018 16:09:26
Sample Period(s) 60
Number of Records 346

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000

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Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	1/16/2018 10:23:29	0.000	0.000	0.000	0.000
002	1/16/2018 10:24:29	0.000	0.000	0.000	0.000
003	1/16/2018 10:25:29	0.000	0.000	0.000	0.000
004	1/16/2018 10:26:29	0.000	0.000	0.000	0.000
005	1/16/2018 10:27:29	0.000	0.000	0.000	0.000
006	1/16/2018 10:28:29	0.000	0.000	0.000	0.000
007	1/16/2018 10:29:29	0.000	0.000	0.000	0.000
008	1/16/2018 10:30:29	0.000	0.000	0.000	0.000
009	1/16/2018 10:31:29	0.000	0.000	0.000	0.000
010	1/16/2018 10:32:29	0.000	0.000	0.000	0.000
011	1/16/2018 10:33:29	0.000	0.000	0.000	0.000
012	1/16/2018 10:34:29	0.000	0.000	0.000	0.000
013	1/16/2018 10:35:29	0.000	0.000	0.000	0.000
014	1/16/2018 10:36:29	0.000	0.000	0.000	0.000
015	1/16/2018 10:37:29	0.000	0.000	0.000	0.000
016	1/16/2018 10:38:29	0.000	0.000	0.000	0.000
017	1/16/2018 10:39:29	0.000	0.000	0.000	0.000
018	1/16/2018 10:40:29	0.000	0.000	0.000	0.000
019	1/16/2018 10:41:29	0.000	0.000	0.000	0.000
020	1/16/2018 10:42:29	0.000	0.000	0.000	0.000
021	1/16/2018 10:43:29	0.000	0.000	0.000	0.000
022	1/16/2018 10:44:29	0.000	0.000	0.000	0.000
023	1/16/2018 10:45:29	0.000	0.000	0.000	0.000
024	1/16/2018 10:46:29	0.000	0.000	0.000	0.000
025	1/16/2018 10:47:29	0.000	0.000	0.000	0.000
026	1/16/2018 10:48:29	0.000	0.000	0.000	0.000
027	1/16/2018 10:49:29	0.000	0.000	0.000	0.000
028	1/16/2018 10:50:29	0.000	0.000	0.000	0.000
029	1/16/2018 10:51:29	0.000	0.000	0.000	0.000
030	1/16/2018 10:52:29	0.000	0.000	0.000	0.000
031	1/16/2018 10:53:29	0.000	0.000	0.000	0.000
032	1/16/2018 10:54:29	0.000	0.000	0.000	0.000
033	1/16/2018 10:55:29	0.000	0.000	0.000	0.000
034	1/16/2018 10:56:29	0.000	0.000	0.000	0.000
035	1/16/2018 10:57:29	0.000	0.000	0.000	0.000

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036	1/16/2018	10:58:29	0.000	0.000	0.000
037	1/16/2018	10:59:29	0.000	0.000	0.000
038	1/16/2018	11:00:29	0.000	0.000	0.000
039	1/16/2018	11:01:29	0.000	0.000	0.000
040	1/16/2018	11:02:29	0.000	0.000	0.000
041	1/16/2018	11:03:29	0.000	0.000	0.000
042	1/16/2018	11:04:29	0.000	0.000	0.000
043	1/16/2018	11:05:29	0.000	0.000	0.000
044	1/16/2018	11:06:29	0.000	0.000	0.000
045	1/16/2018	11:07:29	0.000	0.000	0.000
046	1/16/2018	11:08:29	0.000	0.000	0.000
047	1/16/2018	11:09:29	0.000	0.000	0.000
048	1/16/2018	11:10:29	0.000	0.000	0.000
049	1/16/2018	11:11:29	0.000	0.000	0.000
050	1/16/2018	11:12:29	0.000	0.000	0.000
051	1/16/2018	11:13:29	0.000	0.000	0.000
052	1/16/2018	11:14:29	0.000	0.000	0.000
053	1/16/2018	11:15:29	0.000	0.000	0.000
054	1/16/2018	11:16:29	0.000	0.000	0.000
055	1/16/2018	11:17:29	0.000	0.000	0.000
056	1/16/2018	11:18:29	0.000	0.000	0.000
057	1/16/2018	11:19:29	0.000	0.000	0.000
058	1/16/2018	11:20:29	0.000	0.000	0.000
059	1/16/2018	11:21:29	0.000	0.000	0.000
060	1/16/2018	11:22:29	0.000	0.000	0.000
061	1/16/2018	11:23:29	0.000	0.000	0.000
062	1/16/2018	11:24:29	0.000	0.000	0.000
063	1/16/2018	11:25:29	0.000	0.000	0.000
064	1/16/2018	11:26:29	0.000	0.000	0.000
065	1/16/2018	11:27:29	0.000	0.000	0.000
066	1/16/2018	11:28:29	0.000	0.000	0.000
067	1/16/2018	11:29:29	0.000	0.000	0.000
068	1/16/2018	11:30:29	0.000	0.000	0.000
069	1/16/2018	11:31:29	0.000	0.000	0.000
070	1/16/2018	11:32:29	0.000	0.000	0.000
071	1/16/2018	11:33:29	0.000	0.000	0.000
072	1/16/2018	11:34:29	0.000	0.000	0.000
073	1/16/2018	11:35:29	0.000	0.000	0.000
074	1/16/2018	11:36:29	0.000	0.000	0.000
075	1/16/2018	11:37:29	0.000	0.000	0.000
076	1/16/2018	11:38:29	0.000	0.000	0.000
077	1/16/2018	11:39:29	0.000	0.000	0.000
078	1/16/2018	11:40:29	0.000	0.000	0.000
079	1/16/2018	11:41:29	0.000	0.000	0.000
080	1/16/2018	11:42:29	0.000	0.000	0.000
081	1/16/2018	11:43:29	0.000	0.000	0.000
082	1/16/2018	11:44:29	0.000	0.000	0.000
083	1/16/2018	11:45:29	0.000	0.000	0.000

			Pine_24759_20180226		
084	1/16/2018	11:46:29	0.000	0.000	0.000
085	1/16/2018	11:47:29	0.000	0.000	0.000
086	1/16/2018	11:48:29	0.000	0.000	0.000
087	1/16/2018	11:49:29	0.000	0.000	0.000
088	1/16/2018	11:50:29	0.000	0.000	0.000
089	1/16/2018	11:51:29	0.000	0.000	0.000
090	1/16/2018	11:52:29	0.000	0.000	0.000
091	1/16/2018	11:53:29	0.000	0.000	0.000
092	1/16/2018	11:54:29	0.000	0.000	0.000
093	1/16/2018	11:55:29	0.000	0.000	0.000
094	1/16/2018	11:56:29	0.000	0.000	0.000
095	1/16/2018	11:57:29	0.000	0.000	0.000
096	1/16/2018	11:58:29	0.000	0.000	0.000
097	1/16/2018	11:59:29	0.000	0.000	0.000
098	1/16/2018	12:00:29	0.000	0.000	0.000
099	1/16/2018	12:01:29	0.000	0.000	0.000
100	1/16/2018	12:02:29	0.000	0.000	0.000
101	1/16/2018	12:03:29	0.000	0.000	0.000
102	1/16/2018	12:04:29	0.000	0.000	0.000
103	1/16/2018	12:05:29	0.000	0.000	0.000
104	1/16/2018	12:06:29	0.000	0.000	0.000
105	1/16/2018	12:07:29	0.000	0.000	0.000
106	1/16/2018	12:08:29	0.000	0.000	0.000
107	1/16/2018	12:09:29	0.000	0.000	0.000
108	1/16/2018	12:10:29	0.000	0.000	0.000
109	1/16/2018	12:11:29	0.000	0.000	0.000
110	1/16/2018	12:12:29	0.000	0.000	0.000
111	1/16/2018	12:13:29	0.000	0.000	0.000
112	1/16/2018	12:14:29	0.000	0.000	0.000
113	1/16/2018	12:15:29	0.000	0.000	0.000
114	1/16/2018	12:16:29	0.000	0.000	0.000
115	1/16/2018	12:17:29	0.000	0.000	0.000
116	1/16/2018	12:18:29	0.000	0.000	0.000
117	1/16/2018	12:19:29	0.000	0.000	0.000
118	1/16/2018	12:20:29	0.000	0.000	0.000
119	1/16/2018	12:21:29	0.000	0.000	0.000
120	1/16/2018	12:22:29	0.000	0.000	0.000
121	1/16/2018	12:23:29	0.000	0.000	0.000
122	1/16/2018	12:24:29	0.000	0.000	0.000
123	1/16/2018	12:25:29	0.000	0.000	0.000
124	1/16/2018	12:26:29	0.000	0.000	0.000
125	1/16/2018	12:27:29	0.000	0.000	0.000
126	1/16/2018	12:28:29	0.000	0.000	0.000
127	1/16/2018	12:29:29	0.000	0.000	0.000
128	1/16/2018	12:30:29	0.000	0.000	0.000
129	1/16/2018	12:31:29	0.000	0.000	0.000
130	1/16/2018	12:32:29	0.000	0.000	0.000
131	1/16/2018	12:33:29	0.000	0.000	0.000

Pine_24759_20180226

132	1/16/2018	12:34:29	0.000	0.000	0.000
133	1/16/2018	12:35:29	0.000	0.000	0.000
134	1/16/2018	12:36:29	0.000	0.000	0.000
135	1/16/2018	12:37:29	0.000	0.000	0.000
136	1/16/2018	12:38:29	0.000	0.000	0.000
137	1/16/2018	12:39:29	0.000	0.000	0.000
138	1/16/2018	12:40:29	0.000	0.000	0.000
139	1/16/2018	12:41:29	0.000	0.000	0.000
140	1/16/2018	12:42:29	0.000	0.000	0.000
141	1/16/2018	12:43:29	0.000	0.000	0.000
142	1/16/2018	12:44:29	0.000	0.000	0.000
143	1/16/2018	12:45:29	0.000	0.000	0.000
144	1/16/2018	12:46:29	0.000	0.000	0.000
145	1/16/2018	12:47:29	0.000	0.000	0.000
146	1/16/2018	12:48:29	0.000	0.000	0.000
147	1/16/2018	12:49:29	0.000	0.000	0.000
148	1/16/2018	12:50:29	0.000	0.000	0.000
149	1/16/2018	12:51:29	0.000	0.000	0.000
150	1/16/2018	12:52:29	0.000	0.000	0.000
151	1/16/2018	12:53:29	0.000	0.000	0.000
152	1/16/2018	12:54:29	0.000	0.000	0.000
153	1/16/2018	12:55:29	0.000	0.000	0.000
154	1/16/2018	12:56:29	0.000	0.000	0.000
155	1/16/2018	12:57:29	0.000	0.000	0.000
156	1/16/2018	12:58:29	0.000	0.000	0.000
157	1/16/2018	12:59:29	0.000	0.000	0.000
158	1/16/2018	13:00:29	0.000	0.000	0.000
159	1/16/2018	13:01:29	0.000	0.000	0.000
160	1/16/2018	13:02:29	0.000	0.000	0.000
161	1/16/2018	13:03:29	0.000	0.000	0.000
162	1/16/2018	13:04:29	0.000	0.000	0.000
163	1/16/2018	13:05:29	0.000	0.000	0.000
164	1/16/2018	13:06:29	0.000	0.000	0.000
165	1/16/2018	13:07:29	0.000	0.000	0.000
166	1/16/2018	13:08:29	0.000	0.000	0.000
167	1/16/2018	13:09:29	0.000	0.000	0.000
168	1/16/2018	13:10:29	0.000	0.000	0.000
169	1/16/2018	13:11:29	0.000	0.000	0.000
170	1/16/2018	13:12:29	0.000	0.000	0.000
171	1/16/2018	13:13:29	0.000	0.000	0.000
172	1/16/2018	13:14:29	0.000	0.000	0.000
173	1/16/2018	13:15:29	0.000	0.000	0.000
174	1/16/2018	13:16:29	0.000	0.000	0.000
175	1/16/2018	13:17:29	0.000	0.000	0.000
176	1/16/2018	13:18:29	0.000	0.000	0.000
177	1/16/2018	13:19:29	0.000	0.000	0.000
178	1/16/2018	13:20:29	0.000	0.000	0.000
179	1/16/2018	13:21:29	0.000	0.000	0.000

Pine_24759_20180226

180	1/16/2018	13:22:29	0.000	0.000	0.000
181	1/16/2018	13:23:29	0.000	0.000	0.000
182	1/16/2018	13:24:29	0.000	0.000	0.000
183	1/16/2018	13:25:29	0.000	0.000	0.000
184	1/16/2018	13:26:29	0.000	0.000	0.000
185	1/16/2018	13:27:29	0.000	0.000	0.000
186	1/16/2018	13:28:29	0.000	0.000	0.000
187	1/16/2018	13:29:29	0.000	0.000	0.000
188	1/16/2018	13:30:29	0.000	0.000	0.000
189	1/16/2018	13:31:29	0.000	0.000	0.000
190	1/16/2018	13:32:29	0.000	0.000	0.000
191	1/16/2018	13:33:29	0.000	0.000	0.000
192	1/16/2018	13:34:29	0.000	0.000	0.000
193	1/16/2018	13:35:29	0.000	0.000	0.000
194	1/16/2018	13:36:29	0.000	0.000	0.000
195	1/16/2018	13:37:29	0.000	0.000	0.000
196	1/16/2018	13:38:29	0.000	0.000	0.000
197	1/16/2018	13:39:29	0.000	0.000	0.000
198	1/16/2018	13:40:29	0.000	0.000	0.000
199	1/16/2018	13:41:29	0.000	0.000	0.000
200	1/16/2018	13:42:29	0.000	0.000	0.000
201	1/16/2018	13:43:29	0.000	0.000	0.000
202	1/16/2018	13:44:29	0.000	0.000	0.000
203	1/16/2018	13:45:29	0.000	0.000	0.000
204	1/16/2018	13:46:29	0.000	0.000	0.000
205	1/16/2018	13:47:29	0.000	0.000	0.000
206	1/16/2018	13:48:29	0.000	0.000	0.000
207	1/16/2018	13:49:29	0.000	0.000	0.000
208	1/16/2018	13:50:29	0.000	0.000	0.000
209	1/16/2018	13:51:29	0.000	0.000	0.000
210	1/16/2018	13:52:29	0.000	0.000	0.000
211	1/16/2018	13:53:29	0.000	0.000	0.000
212	1/16/2018	13:54:29	0.000	0.000	0.000
213	1/16/2018	13:55:29	0.000	0.000	0.000
214	1/16/2018	13:56:29	0.000	0.000	0.000
215	1/16/2018	13:57:29	0.000	0.000	0.000
216	1/16/2018	13:58:29	0.000	0.000	0.000
217	1/16/2018	13:59:29	0.000	0.000	0.000
218	1/16/2018	14:00:29	0.000	0.000	0.000
219	1/16/2018	14:01:29	0.000	0.000	0.000
220	1/16/2018	14:02:29	0.000	0.000	0.000
221	1/16/2018	14:03:29	0.000	0.000	0.000
222	1/16/2018	14:04:29	0.000	0.000	0.000
223	1/16/2018	14:05:29	0.000	0.000	0.000
224	1/16/2018	14:06:29	0.000	0.000	0.000
225	1/16/2018	14:07:29	0.000	0.000	0.000
226	1/16/2018	14:08:29	0.000	0.000	0.000
227	1/16/2018	14:09:29	0.000	0.000	0.000

Pine_24759_20180226

228	1/16/2018	14:10:29	0.000	0.000	0.000
229	1/16/2018	14:11:29	0.000	0.000	0.000
230	1/16/2018	14:12:29	0.000	0.000	0.000
231	1/16/2018	14:13:29	0.000	0.000	0.000
232	1/16/2018	14:14:29	0.000	0.000	0.000
233	1/16/2018	14:15:29	0.000	0.000	0.000
234	1/16/2018	14:16:29	0.000	0.000	0.000
235	1/16/2018	14:17:29	0.000	0.000	0.000
236	1/16/2018	14:18:29	0.000	0.000	0.000
237	1/16/2018	14:19:29	0.000	0.000	0.000
238	1/16/2018	14:20:29	0.000	0.000	0.000
239	1/16/2018	14:21:29	0.000	0.000	0.000
240	1/16/2018	14:22:29	0.000	0.000	0.000
241	1/16/2018	14:23:29	0.000	0.000	0.000
242	1/16/2018	14:24:29	0.000	0.000	0.000
243	1/16/2018	14:25:29	0.000	0.000	0.000
244	1/16/2018	14:26:29	0.000	0.000	0.000
245	1/16/2018	14:27:29	0.000	0.000	0.000
246	1/16/2018	14:28:29	0.000	0.000	0.000
247	1/16/2018	14:29:29	0.000	0.000	0.000
248	1/16/2018	14:30:29	0.000	0.000	0.000
249	1/16/2018	14:31:29	0.000	0.000	0.000
250	1/16/2018	14:32:29	0.000	0.000	0.000
251	1/16/2018	14:33:29	0.000	0.000	0.000
252	1/16/2018	14:34:29	0.000	0.000	0.000
253	1/16/2018	14:35:29	0.000	0.000	0.000
254	1/16/2018	14:36:29	0.000	0.000	0.000
255	1/16/2018	14:37:29	0.000	0.000	0.000
256	1/16/2018	14:38:29	0.000	0.000	0.000
257	1/16/2018	14:39:29	0.000	0.000	0.000
258	1/16/2018	14:40:29	0.000	0.000	0.000
259	1/16/2018	14:41:29	0.000	0.000	0.000
260	1/16/2018	14:42:29	0.000	0.000	0.000
261	1/16/2018	14:43:29	0.000	0.000	0.000
262	1/16/2018	14:44:29	0.000	0.000	0.000
263	1/16/2018	14:45:29	0.000	0.000	0.000
264	1/16/2018	14:46:29	0.000	0.000	0.000
265	1/16/2018	14:47:29	0.000	0.000	0.000
266	1/16/2018	14:48:29	0.000	0.000	0.000
267	1/16/2018	14:49:29	0.000	0.000	0.000
268	1/16/2018	14:50:29	0.000	0.000	0.000
269	1/16/2018	14:51:29	0.000	0.000	0.000
270	1/16/2018	14:52:29	0.000	0.000	0.000
271	1/16/2018	14:53:29	0.000	0.000	0.000
272	1/16/2018	14:54:29	0.000	0.000	0.000
273	1/16/2018	14:55:29	0.000	0.000	0.000
274	1/16/2018	14:56:29	0.000	0.000	0.000
275	1/16/2018	14:57:29	0.000	0.000	0.000

			Pine_24759_20180226		
276	1/16/2018	14:58:29	0.000	0.000	0.000
277	1/16/2018	14:59:29	0.000	0.000	0.000
278	1/16/2018	15:00:29	0.000	0.000	0.000
279	1/16/2018	15:01:29	0.000	0.000	0.000
280	1/16/2018	15:02:29	0.000	0.000	0.000
281	1/16/2018	15:03:29	0.000	0.000	0.000
282	1/16/2018	15:04:29	0.000	0.000	0.000
283	1/16/2018	15:05:29	0.000	0.000	0.000
284	1/16/2018	15:06:29	0.000	0.000	0.000
285	1/16/2018	15:07:29	0.000	0.000	0.000
286	1/16/2018	15:08:29	0.000	0.000	0.000
287	1/16/2018	15:09:29	0.000	0.000	0.000
288	1/16/2018	15:10:29	0.000	0.000	0.000
289	1/16/2018	15:11:29	0.000	0.000	0.000
290	1/16/2018	15:12:29	0.000	0.000	0.000
291	1/16/2018	15:13:29	0.000	0.000	0.000
292	1/16/2018	15:14:29	0.000	0.000	0.000
293	1/16/2018	15:15:29	0.000	0.000	0.000
294	1/16/2018	15:16:29	0.000	0.000	0.000
295	1/16/2018	15:17:29	0.000	0.000	0.000
296	1/16/2018	15:18:29	0.000	0.000	0.000
297	1/16/2018	15:19:29	0.000	0.000	0.000
298	1/16/2018	15:20:29	0.000	0.000	0.000
299	1/16/2018	15:21:29	0.000	0.000	0.000
300	1/16/2018	15:22:29	0.000	0.000	0.000
301	1/16/2018	15:23:29	0.000	0.000	0.000
302	1/16/2018	15:24:29	0.000	0.000	0.000
303	1/16/2018	15:25:29	0.000	0.000	0.000
304	1/16/2018	15:26:29	0.000	0.000	0.000
305	1/16/2018	15:27:29	0.000	0.000	0.000
306	1/16/2018	15:28:29	0.000	0.000	0.000
307	1/16/2018	15:29:29	0.000	0.000	0.000
308	1/16/2018	15:30:29	0.000	0.000	0.000
309	1/16/2018	15:31:29	0.000	0.000	0.000
310	1/16/2018	15:32:29	0.000	0.000	0.000
311	1/16/2018	15:33:29	0.000	0.000	0.000
312	1/16/2018	15:34:29	0.000	0.003	0.035
313	1/16/2018	15:35:29	0.000	0.000	0.019
314	1/16/2018	15:36:29	0.000	0.000	0.000
315	1/16/2018	15:37:29	0.000	0.000	0.000
316	1/16/2018	15:38:29	0.000	0.000	0.000
317	1/16/2018	15:39:29	0.000	0.000	0.000
318	1/16/2018	15:40:29	0.000	0.000	0.000
319	1/16/2018	15:41:29	0.000	0.000	0.000
320	1/16/2018	15:42:29	0.000	0.000	0.000
321	1/16/2018	15:43:29	0.000	0.000	0.000
322	1/16/2018	15:44:29	0.000	0.000	0.000
323	1/16/2018	15:45:29	0.000	0.000	0.000

			Pine_24759_20180226		
324	1/16/2018	15:46:29	0.000	0.000	0.000
325	1/16/2018	15:47:29	0.000	0.000	0.000
326	1/16/2018	15:48:29	0.000	0.000	0.000
327	1/16/2018	15:49:29	0.000	0.000	0.000
328	1/16/2018	15:50:29	0.000	0.000	0.000
329	1/16/2018	15:51:29	0.000	0.000	0.000
330	1/16/2018	15:52:29	0.000	0.000	0.000
331	1/16/2018	15:53:29	0.000	0.000	0.000
332	1/16/2018	15:54:29	0.000	0.000	0.000
333	1/16/2018	15:55:29	0.000	0.000	0.000
334	1/16/2018	15:56:29	0.000	0.000	0.000
335	1/16/2018	15:57:29	0.000	0.000	0.000
336	1/16/2018	15:58:29	0.000	0.000	0.000
337	1/16/2018	15:59:29	0.000	0.000	0.000
338	1/16/2018	16:00:29	0.000	0.000	0.000
339	1/16/2018	16:01:29	0.000	0.000	0.000
340	1/16/2018	16:02:29	0.000	0.000	0.000
341	1/16/2018	16:03:29	0.000	0.000	0.000
342	1/16/2018	16:04:29	0.000	0.000	0.000
343	1/16/2018	16:05:29	0.000	0.000	0.000
344	1/16/2018	16:06:29	0.000	0.000	0.000
345	1/16/2018	16:07:29	0.000	0.000	0.000
346	1/16/2018	16:08:29	0.000	0.000	0.000
Peak		0.000	0.003	0.035	
Min		0.000	0.000	0.000	
Average		0.000	0.000	0.000	

18/01/17 10:07

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Battery Low

Site ID RAE00000
User ID 00000001

Begin 1/17/2018 10:07:02
End 1/17/2018 12:46:38

Sample Period(s) 60
 Number of Records 159

 Sensor VOC(ppm)
 Span 100.000
 Span 2 N/A
 Low Alarm 50.000
 High Alarm 100.000
 Over Alarm 15000.000
 STEL Alarm 25.000
 TWA Alarm 10.000
 Measurement Gas Isobutylene
 Calibration Time 11/3/2017 08:06
 Peak N/A
 Min N/A
 Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	1/17/2018 10:08:02	0.000	0.000	0.000	0.000
002	1/17/2018 10:09:02	0.000	0.000	0.000	0.000
003	1/17/2018 10:10:02	0.000	0.000	0.000	0.000
004	1/17/2018 10:11:02	0.000	0.000	0.000	0.000
005	1/17/2018 10:12:02	0.000	0.000	0.000	0.000
006	1/17/2018 10:13:02	0.000	0.000	0.000	0.000
007	1/17/2018 10:14:02	0.000	0.000	0.000	0.000
008	1/17/2018 10:15:02	0.000	0.000	0.000	0.000
009	1/17/2018 10:16:02	0.000	0.000	0.000	0.000
010	1/17/2018 10:17:02	0.000	0.000	0.000	0.000
011	1/17/2018 10:18:02	0.000	0.000	0.000	0.000
012	1/17/2018 10:19:02	0.000	0.000	0.000	0.000
013	1/17/2018 10:20:02	0.000	0.000	0.000	0.000
014	1/17/2018 10:21:02	0.000	0.000	0.000	0.000
015	1/17/2018 10:22:02	0.000	0.000	0.000	0.000
016	1/17/2018 10:23:02	0.000	0.000	0.000	0.000
017	1/17/2018 10:24:02	0.000	0.000	0.000	0.000
018	1/17/2018 10:25:02	0.000	0.000	0.000	0.000
019	1/17/2018 10:26:02	0.000	0.000	0.000	0.000
020	1/17/2018 10:27:02	0.000	0.000	0.000	0.000
021	1/17/2018 10:28:02	0.000	0.000	0.000	0.000
022	1/17/2018 10:29:02	0.000	0.000	0.000	0.000
023	1/17/2018 10:30:02	0.000	0.000	0.000	0.000
024	1/17/2018 10:31:02	0.000	0.000	0.000	0.000
025	1/17/2018 10:32:02	0.000	0.000	0.000	0.000
026	1/17/2018 10:33:02	0.000	0.000	0.000	0.000
027	1/17/2018 10:34:02	0.000	0.000	0.000	0.000

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028	1/17/2018	10:35:02	0.000	0.000	0.000
029	1/17/2018	10:36:02	0.000	0.000	0.000
030	1/17/2018	10:37:02	0.000	0.000	0.000
031	1/17/2018	10:38:02	0.000	0.000	0.000
032	1/17/2018	10:39:02	0.000	0.000	0.000
033	1/17/2018	10:40:02	0.000	0.000	0.000
034	1/17/2018	10:41:02	0.000	0.000	0.000
035	1/17/2018	10:42:02	0.000	0.000	0.000
036	1/17/2018	10:43:02	0.000	0.000	0.000
037	1/17/2018	10:44:02	0.000	0.000	0.000
038	1/17/2018	10:45:02	0.000	0.000	0.000
039	1/17/2018	10:46:02	0.000	0.000	0.000
040	1/17/2018	10:47:02	0.000	0.000	0.000
041	1/17/2018	10:48:02	0.000	0.000	0.000
042	1/17/2018	10:49:02	0.000	0.000	0.000
043	1/17/2018	10:50:02	0.000	0.000	0.000
044	1/17/2018	10:51:02	0.000	0.000	0.000
045	1/17/2018	10:52:02	0.000	0.000	0.000
046	1/17/2018	10:53:02	0.000	0.000	0.000
047	1/17/2018	10:54:02	0.000	0.000	0.000
048	1/17/2018	10:55:02	0.000	0.000	0.000
049	1/17/2018	10:56:02	0.000	0.000	0.000
050	1/17/2018	10:57:02	0.000	0.000	0.000
051	1/17/2018	10:58:02	0.000	0.000	0.000
052	1/17/2018	10:59:02	0.000	0.000	0.000
053	1/17/2018	11:00:02	0.000	0.000	0.000
054	1/17/2018	11:01:02	0.000	0.000	0.000
055	1/17/2018	11:02:02	0.000	0.000	0.000
056	1/17/2018	11:03:02	0.000	0.000	0.000
057	1/17/2018	11:04:02	0.000	0.000	0.000
058	1/17/2018	11:05:02	0.000	0.000	0.000
059	1/17/2018	11:06:02	0.000	0.000	0.000
060	1/17/2018	11:07:02	0.000	0.000	0.000
061	1/17/2018	11:08:02	0.000	0.000	0.000
062	1/17/2018	11:09:02	0.000	0.000	0.000
063	1/17/2018	11:10:02	0.000	0.000	0.000
064	1/17/2018	11:11:02	0.000	0.000	0.000
065	1/17/2018	11:12:02	0.000	0.000	0.000
066	1/17/2018	11:13:02	0.000	0.000	0.000
067	1/17/2018	11:14:02	0.000	0.000	0.000
068	1/17/2018	11:15:02	0.000	0.000	0.000
069	1/17/2018	11:16:02	0.000	0.000	0.000
070	1/17/2018	11:17:02	0.000	0.000	0.000
071	1/17/2018	11:18:02	0.000	0.000	0.000
072	1/17/2018	11:19:02	0.000	0.000	0.000
073	1/17/2018	11:20:02	0.000	0.000	0.000
074	1/17/2018	11:21:02	0.000	0.000	0.000
075	1/17/2018	11:22:02	0.000	0.000	0.000

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076	1/17/2018	11:23:02	0.000	0.000	0.000
077	1/17/2018	11:24:02	0.000	0.000	0.000
078	1/17/2018	11:25:02	0.000	0.000	0.000
079	1/17/2018	11:26:02	0.000	0.000	0.000
080	1/17/2018	11:27:02	0.000	0.000	0.000
081	1/17/2018	11:28:02	0.000	0.000	0.000
082	1/17/2018	11:29:02	0.000	0.000	0.000
083	1/17/2018	11:30:02	0.000	0.000	0.000
084	1/17/2018	11:31:02	0.000	0.000	0.000
085	1/17/2018	11:32:02	0.000	0.000	0.000
086	1/17/2018	11:33:02	0.000	0.000	0.000
087	1/17/2018	11:34:02	0.000	0.000	0.000
088	1/17/2018	11:35:02	0.000	0.000	0.000
089	1/17/2018	11:36:02	0.000	0.000	0.000
090	1/17/2018	11:37:02	0.000	0.000	0.000
091	1/17/2018	11:38:02	0.000	0.000	0.000
092	1/17/2018	11:39:02	0.000	0.000	0.000
093	1/17/2018	11:40:02	0.000	0.000	0.000
094	1/17/2018	11:41:02	0.000	0.000	0.000
095	1/17/2018	11:42:02	0.000	0.000	0.000
096	1/17/2018	11:43:02	0.000	0.000	0.000
097	1/17/2018	11:44:02	0.000	0.000	0.000
098	1/17/2018	11:45:02	0.000	0.000	0.000
099	1/17/2018	11:46:02	0.000	0.000	0.000
100	1/17/2018	11:47:02	0.000	0.000	0.000
101	1/17/2018	11:48:02	0.000	0.000	0.000
102	1/17/2018	11:49:02	0.000	0.000	0.000
103	1/17/2018	11:50:02	0.000	0.000	0.000
104	1/17/2018	11:51:02	0.000	0.000	0.000
105	1/17/2018	11:52:02	0.000	0.000	0.000
106	1/17/2018	11:53:02	0.000	0.000	0.000
107	1/17/2018	11:54:02	0.000	0.000	0.000
108	1/17/2018	11:55:02	0.000	0.000	0.000
109	1/17/2018	11:56:02	0.000	0.000	0.000
110	1/17/2018	11:57:02	0.000	0.000	0.000
111	1/17/2018	11:58:02	0.000	0.000	0.000
112	1/17/2018	11:59:02	0.000	0.000	0.000
113	1/17/2018	12:00:02	0.000	0.000	0.000
114	1/17/2018	12:01:02	0.000	0.000	0.000
115	1/17/2018	12:02:02	0.000	0.000	0.000
116	1/17/2018	12:03:02	0.000	0.000	0.000
117	1/17/2018	12:04:02	0.000	0.000	0.000
118	1/17/2018	12:05:02	0.000	0.000	0.000
119	1/17/2018	12:06:02	0.000	0.000	0.000
120	1/17/2018	12:07:02	0.000	0.000	0.000
121	1/17/2018	12:08:02	0.000	0.000	0.000
122	1/17/2018	12:09:02	0.000	0.000	0.000
123	1/17/2018	12:10:02	0.000	0.000	0.000

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124	1/17/2018	12:11:02	0.000	0.000	0.000
125	1/17/2018	12:12:02	0.000	0.000	0.000
126	1/17/2018	12:13:02	0.000	0.000	0.000
127	1/17/2018	12:14:02	0.000	0.000	0.000
128	1/17/2018	12:15:02	0.000	0.000	0.000
129	1/17/2018	12:16:02	0.000	0.000	0.000
130	1/17/2018	12:17:02	0.000	0.000	0.000
131	1/17/2018	12:18:02	0.000	0.000	0.000
132	1/17/2018	12:19:02	0.000	0.000	0.000
133	1/17/2018	12:20:02	0.000	0.000	0.000
134	1/17/2018	12:21:02	0.000	0.000	0.000
135	1/17/2018	12:22:02	0.000	0.000	0.000
136	1/17/2018	12:23:02	0.000	0.000	0.000
137	1/17/2018	12:24:02	0.000	0.000	0.000
138	1/17/2018	12:25:02	0.000	0.000	0.000
139	1/17/2018	12:26:02	0.000	0.000	0.000
140	1/17/2018	12:27:02	0.000	0.000	0.000
141	1/17/2018	12:28:02	0.000	0.000	0.000
142	1/17/2018	12:29:02	0.000	0.000	0.000
143	1/17/2018	12:30:02	0.000	0.000	0.000
144	1/17/2018	12:31:02	0.000	0.000	0.000
145	1/17/2018	12:32:02	0.000	0.000	0.000
146	1/17/2018	12:33:02	0.000	0.000	0.000
147	1/17/2018	12:34:02	0.000	0.000	0.000
148	1/17/2018	12:35:02	0.000	0.000	0.000
149	1/17/2018	12:36:02	0.000	0.000	0.000
150	1/17/2018	12:37:02	0.000	0.000	0.000
151	1/17/2018	12:38:02	0.000	0.000	0.000
152	1/17/2018	12:39:02	0.000	0.000	0.000
153	1/17/2018	12:40:02	0.000	0.000	0.000
154	1/17/2018	12:41:02	0.000	0.000	0.000
155	1/17/2018	12:42:02	0.000	0.000	0.000
156	1/17/2018	12:43:02	0.000	0.000	0.000
157	1/17/2018	12:44:02	0.000	0.000	0.000
158	1/17/2018	12:45:02	0.000	0.000	0.000
159	1/17/2018	12:46:02	0.000	0.000	0.000
Peak		0.000	0.000	0.000	
Min		0.000	0.000	0.000	
Average		0.000	0.000	0.000	

18/01/18 11:31

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin 1/18/2018 11:31:38
End 1/18/2018 16:33:31
Sample Period(s) 60
Number of Records 301

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	1/18/2018 11:32:38	0.000	0.000	0.000	0.000
002	1/18/2018 11:33:38	0.000	0.000	0.000	0.000
003	1/18/2018 11:34:38	0.000	0.000	0.000	0.000
004	1/18/2018 11:35:38	0.000	0.000	0.000	0.000
005	1/18/2018 11:36:38	0.000	0.000	0.000	0.000
006	1/18/2018 11:37:38	0.000	0.000	0.000	0.000
007	1/18/2018 11:38:38	0.000	0.000	0.000	0.000
008	1/18/2018 11:39:38	0.000	0.000	0.000	0.000
009	1/18/2018 11:40:38	0.000	0.000	0.000	0.000
010	1/18/2018 11:41:38	0.000	0.000	0.000	0.000
011	1/18/2018 11:42:38	0.000	0.000	0.000	0.000
012	1/18/2018 11:43:38	0.000	0.000	0.000	0.000
013	1/18/2018 11:44:38	0.000	0.000	0.000	0.000
014	1/18/2018 11:45:38	0.000	0.000	0.000	0.000

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015	1/18/2018	11:46:38	0.000	0.000	0.000
016	1/18/2018	11:47:38	0.000	0.000	0.000
017	1/18/2018	11:48:38	0.000	0.000	0.000
018	1/18/2018	11:49:38	0.000	0.000	0.000
019	1/18/2018	11:50:38	0.000	0.000	0.000
020	1/18/2018	11:51:38	0.000	0.000	0.000
021	1/18/2018	11:52:38	0.000	0.000	0.000
022	1/18/2018	11:53:38	0.000	0.000	0.000
023	1/18/2018	11:54:38	0.000	0.000	0.000
024	1/18/2018	11:55:38	0.000	0.000	0.000
025	1/18/2018	11:56:38	0.000	0.000	0.000
026	1/18/2018	11:57:38	0.000	0.000	0.000
027	1/18/2018	11:58:38	0.000	0.000	0.000
028	1/18/2018	11:59:38	0.000	0.000	0.000
029	1/18/2018	12:00:38	0.000	0.000	0.000
030	1/18/2018	12:01:38	0.000	0.000	0.000
031	1/18/2018	12:02:38	0.000	0.000	0.000
032	1/18/2018	12:03:38	0.000	0.000	0.000
033	1/18/2018	12:04:38	0.000	0.000	0.000
034	1/18/2018	12:05:38	0.000	0.000	0.000
035	1/18/2018	12:06:38	0.000	0.000	0.000
036	1/18/2018	12:07:38	0.000	0.000	0.000
037	1/18/2018	12:08:38	0.000	0.000	0.000
038	1/18/2018	12:09:38	0.000	0.000	0.000
039	1/18/2018	12:10:38	0.000	0.000	0.000
040	1/18/2018	12:11:38	0.000	0.000	0.000
041	1/18/2018	12:12:38	0.000	0.000	0.000
042	1/18/2018	12:13:38	0.000	0.000	0.000
043	1/18/2018	12:14:38	0.000	0.000	0.000
044	1/18/2018	12:15:38	0.000	0.000	0.000
045	1/18/2018	12:16:38	0.000	0.000	0.000
046	1/18/2018	12:17:38	0.000	0.000	0.000
047	1/18/2018	12:18:38	0.000	0.000	0.000
048	1/18/2018	12:19:38	0.000	0.000	0.000
049	1/18/2018	12:20:38	0.000	0.000	0.000
050	1/18/2018	12:21:38	0.000	0.000	0.000
051	1/18/2018	12:22:38	0.000	0.000	0.000
052	1/18/2018	12:23:38	0.000	0.000	0.000
053	1/18/2018	12:24:38	0.000	0.000	0.000
054	1/18/2018	12:25:38	0.000	0.000	0.000
055	1/18/2018	12:26:38	0.000	0.000	0.000
056	1/18/2018	12:27:38	0.000	0.000	0.000
057	1/18/2018	12:28:38	0.000	0.000	0.000
058	1/18/2018	12:29:38	0.000	0.000	0.000
059	1/18/2018	12:30:38	0.000	0.000	0.000
060	1/18/2018	12:31:38	0.000	0.000	0.000
061	1/18/2018	12:32:38	0.000	0.000	0.000
062	1/18/2018	12:33:38	0.000	0.000	0.000

			Pine_24759_20180226		
063	1/18/2018	12:34:38	0.000	0.000	0.000
064	1/18/2018	12:35:38	0.000	0.000	0.000
065	1/18/2018	12:36:38	0.000	0.000	0.000
066	1/18/2018	12:37:38	0.000	0.000	0.000
067	1/18/2018	12:38:38	0.000	0.000	0.000
068	1/18/2018	12:39:38	0.000	0.000	0.000
069	1/18/2018	12:40:38	0.000	0.000	0.000
070	1/18/2018	12:41:38	0.000	0.000	0.000
071	1/18/2018	12:42:38	0.000	0.000	0.000
072	1/18/2018	12:43:38	0.000	0.000	0.000
073	1/18/2018	12:44:38	0.000	0.000	0.000
074	1/18/2018	12:45:38	0.000	0.000	0.000
075	1/18/2018	12:46:38	0.000	0.000	0.000
076	1/18/2018	12:47:38	0.000	0.000	0.000
077	1/18/2018	12:48:38	0.000	0.000	0.000
078	1/18/2018	12:49:38	0.000	0.000	0.000
079	1/18/2018	12:50:38	0.000	0.000	0.000
080	1/18/2018	12:51:38	0.000	0.000	0.000
081	1/18/2018	12:52:38	0.000	0.000	0.000
082	1/18/2018	12:53:38	0.000	0.000	0.000
083	1/18/2018	12:54:38	0.000	0.000	0.000
084	1/18/2018	12:55:38	0.000	0.000	0.000
085	1/18/2018	12:56:38	0.000	0.000	0.000
086	1/18/2018	12:57:38	0.000	0.000	0.000
087	1/18/2018	12:58:38	0.000	0.000	0.000
088	1/18/2018	12:59:38	0.000	0.000	0.000
089	1/18/2018	13:00:38	0.000	0.000	0.000
090	1/18/2018	13:01:38	0.000	0.000	0.000
091	1/18/2018	13:02:38	0.000	0.000	0.000
092	1/18/2018	13:03:38	0.000	0.000	0.000
093	1/18/2018	13:04:38	0.000	0.000	0.000
094	1/18/2018	13:05:38	0.000	0.000	0.000
095	1/18/2018	13:06:38	0.000	0.000	0.000
096	1/18/2018	13:07:38	0.000	0.000	0.000
097	1/18/2018	13:08:38	0.000	0.000	0.000
098	1/18/2018	13:09:38	0.000	0.000	0.000
099	1/18/2018	13:10:38	0.000	0.000	0.000
100	1/18/2018	13:11:38	0.000	0.000	0.000
101	1/18/2018	13:12:38	0.000	0.000	0.000
102	1/18/2018	13:13:38	0.000	0.000	0.000
103	1/18/2018	13:14:38	0.000	0.000	0.000
104	1/18/2018	13:15:38	0.000	0.000	0.000
105	1/18/2018	13:16:38	0.000	0.000	0.000
106	1/18/2018	13:17:38	0.000	0.000	0.000
107	1/18/2018	13:18:38	0.000	0.000	0.000
108	1/18/2018	13:19:38	0.000	0.000	0.000
109	1/18/2018	13:20:38	0.000	0.000	0.000
110	1/18/2018	13:21:38	0.000	0.000	0.000

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111	1/18/2018	13:22:38	0.000	0.000	0.000
112	1/18/2018	13:23:38	0.000	0.000	0.000
113	1/18/2018	13:24:38	0.000	0.000	0.000
114	1/18/2018	13:25:38	0.000	0.000	0.000
115	1/18/2018	13:26:38	0.000	0.000	0.000
116	1/18/2018	13:27:38	0.000	0.000	0.000
117	1/18/2018	13:28:38	0.000	0.000	0.000
118	1/18/2018	13:29:38	0.000	0.000	0.000
119	1/18/2018	13:30:38	0.000	0.000	0.000
120	1/18/2018	13:31:38	0.000	0.000	0.000
121	1/18/2018	13:32:38	0.000	0.000	0.000
122	1/18/2018	13:33:38	0.000	0.000	0.000
123	1/18/2018	13:34:38	0.000	0.000	0.000
124	1/18/2018	13:35:38	0.000	0.000	0.000
125	1/18/2018	13:36:38	0.000	0.000	0.000
126	1/18/2018	13:37:38	0.000	0.000	0.000
127	1/18/2018	13:38:38	0.000	0.000	0.000
128	1/18/2018	13:39:38	0.000	0.000	0.000
129	1/18/2018	13:40:38	0.000	0.000	0.000
130	1/18/2018	13:41:38	0.000	0.000	0.000
131	1/18/2018	13:42:38	0.000	0.000	0.000
132	1/18/2018	13:43:38	0.000	0.000	0.000
133	1/18/2018	13:44:38	0.000	0.000	0.000
134	1/18/2018	13:45:38	0.000	0.000	0.000
135	1/18/2018	13:46:38	0.000	0.000	0.000
136	1/18/2018	13:47:38	0.000	0.000	0.000
137	1/18/2018	13:48:38	0.000	0.000	0.000
138	1/18/2018	13:49:38	0.000	0.000	0.000
139	1/18/2018	13:50:38	0.000	0.000	0.000
140	1/18/2018	13:51:38	0.000	0.000	0.000
141	1/18/2018	13:52:38	0.000	0.000	0.000
142	1/18/2018	13:53:38	0.000	0.000	0.000
143	1/18/2018	13:54:38	0.000	0.000	0.000
144	1/18/2018	13:55:38	0.000	0.000	0.000
145	1/18/2018	13:56:38	0.000	0.000	0.000
146	1/18/2018	13:57:38	0.000	0.000	0.000
147	1/18/2018	13:58:38	0.000	0.000	0.000
148	1/18/2018	13:59:38	0.000	0.000	0.000
149	1/18/2018	14:00:38	0.000	0.000	0.000
150	1/18/2018	14:01:38	0.000	0.000	0.000
151	1/18/2018	14:02:38	0.000	0.000	0.000
152	1/18/2018	14:03:38	0.000	0.000	0.000
153	1/18/2018	14:04:38	0.000	0.000	0.000
154	1/18/2018	14:05:38	0.000	0.000	0.000
155	1/18/2018	14:06:38	0.000	0.000	0.000
156	1/18/2018	14:07:38	0.000	0.000	0.000
157	1/18/2018	14:08:38	0.000	0.000	0.000
158	1/18/2018	14:09:38	0.000	0.000	0.000

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159	1/18/2018	14:10:38	0.000	0.000	0.000
160	1/18/2018	14:11:38	0.000	0.000	0.000
161	1/18/2018	14:12:38	0.000	0.000	0.000
162	1/18/2018	14:13:38	0.000	0.000	0.000
163	1/18/2018	14:14:38	0.000	0.000	0.000
164	1/18/2018	14:15:38	0.000	0.000	0.000
165	1/18/2018	14:16:38	0.000	0.000	0.000
166	1/18/2018	14:17:38	0.000	0.000	0.000
167	1/18/2018	14:18:38	0.000	0.000	0.000
168	1/18/2018	14:19:38	0.000	0.000	0.000
169	1/18/2018	14:20:38	0.000	0.000	0.000
170	1/18/2018	14:21:38	0.000	0.000	0.000
171	1/18/2018	14:22:38	0.000	0.000	0.000
172	1/18/2018	14:23:38	0.000	0.000	0.000
173	1/18/2018	14:24:38	0.000	0.000	0.000
174	1/18/2018	14:25:38	0.000	0.000	0.000
175	1/18/2018	14:26:38	0.000	0.000	0.000
176	1/18/2018	14:27:38	0.000	0.000	0.000
177	1/18/2018	14:28:38	0.000	0.000	0.000
178	1/18/2018	14:29:38	0.000	0.000	0.000
179	1/18/2018	14:30:38	0.000	0.000	0.000
180	1/18/2018	14:31:38	0.000	0.000	0.000
181	1/18/2018	14:32:38	0.000	0.000	0.000
182	1/18/2018	14:33:38	0.000	0.000	0.000
183	1/18/2018	14:34:38	0.000	0.000	0.000
184	1/18/2018	14:35:38	0.000	0.000	0.000
185	1/18/2018	14:36:38	0.000	0.000	0.000
186	1/18/2018	14:37:38	0.000	0.000	0.000
187	1/18/2018	14:38:38	0.000	0.000	0.000
188	1/18/2018	14:39:38	0.000	0.000	0.000
189	1/18/2018	14:40:38	0.000	0.000	0.000
190	1/18/2018	14:41:38	0.000	0.000	0.000
191	1/18/2018	14:42:38	0.000	0.000	0.000
192	1/18/2018	14:43:38	0.000	0.000	0.000
193	1/18/2018	14:44:38	0.000	0.000	0.000
194	1/18/2018	14:45:38	0.000	0.000	0.000
195	1/18/2018	14:46:38	0.000	0.000	0.000
196	1/18/2018	14:47:38	0.000	0.000	0.000
197	1/18/2018	14:48:38	0.000	0.000	0.000
198	1/18/2018	14:49:38	0.000	0.000	0.000
199	1/18/2018	14:50:38	0.000	0.000	0.000
200	1/18/2018	14:51:38	0.000	0.000	0.000
201	1/18/2018	14:52:38	0.000	0.000	0.000
202	1/18/2018	14:53:38	0.000	0.000	0.000
203	1/18/2018	14:54:38	0.000	0.000	0.000
204	1/18/2018	14:55:38	0.000	0.000	0.000
205	1/18/2018	14:56:38	0.000	0.000	0.000
206	1/18/2018	14:57:38	0.000	0.000	0.000

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207	1/18/2018	14:58:38	0.000	0.000	0.000
208	1/18/2018	14:59:38	0.000	0.000	0.000
209	1/18/2018	15:00:38	0.000	0.000	0.000
210	1/18/2018	15:01:38	0.000	0.000	0.000
211	1/18/2018	15:02:38	0.000	0.000	0.000
212	1/18/2018	15:03:38	0.000	0.000	0.000
213	1/18/2018	15:04:38	0.000	0.000	0.000
214	1/18/2018	15:05:38	0.000	0.000	0.000
215	1/18/2018	15:06:38	0.000	0.000	0.000
216	1/18/2018	15:07:38	0.000	0.000	0.000
217	1/18/2018	15:08:38	0.000	0.000	0.000
218	1/18/2018	15:09:38	0.000	0.000	0.000
219	1/18/2018	15:10:38	0.000	0.000	0.000
220	1/18/2018	15:11:38	0.000	0.000	0.000
221	1/18/2018	15:12:38	0.000	0.000	0.000
222	1/18/2018	15:13:38	0.000	0.000	0.000
223	1/18/2018	15:14:38	0.000	0.000	0.000
224	1/18/2018	15:15:38	0.000	0.000	0.000
225	1/18/2018	15:16:38	0.000	0.000	0.000
226	1/18/2018	15:17:38	0.000	0.000	0.000
227	1/18/2018	15:18:38	0.000	0.000	0.000
228	1/18/2018	15:19:38	0.000	0.000	0.000
229	1/18/2018	15:20:38	0.000	0.000	0.000
230	1/18/2018	15:21:38	0.000	0.000	0.000
231	1/18/2018	15:22:38	0.000	0.000	0.000
232	1/18/2018	15:23:38	0.000	0.000	0.000
233	1/18/2018	15:24:38	0.000	0.000	0.000
234	1/18/2018	15:25:38	0.000	0.000	0.000
235	1/18/2018	15:26:38	0.000	0.000	0.000
236	1/18/2018	15:27:38	0.000	0.000	0.000
237	1/18/2018	15:28:38	0.000	0.000	0.000
238	1/18/2018	15:29:38	0.000	0.000	0.000
239	1/18/2018	15:30:38	0.000	0.000	0.000
240	1/18/2018	15:31:38	0.000	0.000	0.000
241	1/18/2018	15:32:38	0.000	0.000	0.000
242	1/18/2018	15:33:38	0.000	0.000	0.000
243	1/18/2018	15:34:38	0.000	0.000	0.000
244	1/18/2018	15:35:38	0.000	0.000	0.000
245	1/18/2018	15:36:38	0.000	0.000	0.000
246	1/18/2018	15:37:38	0.000	0.000	0.000
247	1/18/2018	15:38:38	0.000	0.000	0.000
248	1/18/2018	15:39:38	0.000	0.000	0.000
249	1/18/2018	15:40:38	0.000	0.000	0.000
250	1/18/2018	15:41:38	0.000	0.000	0.000
251	1/18/2018	15:42:38	0.000	0.000	0.000
252	1/18/2018	15:43:38	0.000	0.000	0.000
253	1/18/2018	15:44:38	0.000	0.000	0.000
254	1/18/2018	15:45:38	0.000	0.000	0.000

			Pine_24759_20180226		
255	1/18/2018	15:46:38	0.000	0.000	0.000
256	1/18/2018	15:47:38	0.000	0.000	0.000
257	1/18/2018	15:48:38	0.000	0.000	0.000
258	1/18/2018	15:49:38	0.000	0.000	0.000
259	1/18/2018	15:50:38	0.000	0.000	0.000
260	1/18/2018	15:51:38	0.000	0.000	0.000
261	1/18/2018	15:52:38	0.000	0.000	0.000
262	1/18/2018	15:53:38	0.000	0.000	0.000
263	1/18/2018	15:54:38	0.000	0.000	0.000
264	1/18/2018	15:55:38	0.000	0.000	0.000
265	1/18/2018	15:56:38	0.000	0.000	0.000
266	1/18/2018	15:57:38	0.000	0.000	0.000
267	1/18/2018	15:58:38	0.000	0.000	0.000
268	1/18/2018	15:59:38	0.000	0.000	0.000
269	1/18/2018	16:00:38	0.000	0.000	0.000
270	1/18/2018	16:01:38	0.000	0.000	0.000
271	1/18/2018	16:02:38	0.000	0.000	0.000
272	1/18/2018	16:03:38	0.000	0.000	0.000
273	1/18/2018	16:04:38	0.000	0.000	0.000
274	1/18/2018	16:05:38	0.000	0.000	0.000
275	1/18/2018	16:06:38	0.000	0.000	0.000
276	1/18/2018	16:07:38	0.000	0.000	0.000
277	1/18/2018	16:08:38	0.000	0.000	0.000
278	1/18/2018	16:09:38	0.000	0.000	0.000
279	1/18/2018	16:10:38	0.000	0.000	0.000
280	1/18/2018	16:11:38	0.000	0.000	0.000
281	1/18/2018	16:12:38	0.000	0.000	0.000
282	1/18/2018	16:13:38	0.000	0.000	0.000
283	1/18/2018	16:14:38	0.000	0.000	0.000
284	1/18/2018	16:15:38	0.000	0.000	0.000
285	1/18/2018	16:16:38	0.000	0.000	0.000
286	1/18/2018	16:17:38	0.000	0.000	0.000
287	1/18/2018	16:18:38	0.000	0.000	0.000
288	1/18/2018	16:19:38	0.000	0.000	0.000
289	1/18/2018	16:20:38	0.000	0.000	0.000
290	1/18/2018	16:21:38	0.000	0.000	0.000
291	1/18/2018	16:22:38	0.000	0.000	0.000
292	1/18/2018	16:23:38	0.000	0.000	0.000
293	1/18/2018	16:24:38	0.000	0.000	0.000
294	1/18/2018	16:25:38	0.000	0.000	0.000
295	1/18/2018	16:26:38	0.000	0.000	0.000
296	1/18/2018	16:27:38	0.000	0.000	0.000
297	1/18/2018	16:28:38	0.000	0.000	0.000
298	1/18/2018	16:29:38	0.000	0.000	0.000
299	1/18/2018	16:30:38	0.000	0.000	0.000
300	1/18/2018	16:31:38	0.000	0.000	0.000
301	1/18/2018	16:32:38	0.000	0.000	0.000
Peak		0.000 0.000	0.000		

Pine_24759_20180226
Min 0.000 0.000 0.000
Average 0.000 0.000 0.000

=====

18/01/19 12:08

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin 1/19/2018 12:08:13
End 1/19/2018 12:14:37
Sample Period(s) 60
Number of Records 6

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	1/19/2018 12:09:13	0.000	0.000	0.000	0.000
002	1/19/2018 12:10:13	0.000	0.000	0.000	0.000
003	1/19/2018 12:11:13	0.000	0.000	0.000	0.000

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004	1/19/2018 12:12:13	0.000	0.000	0.000
005	1/19/2018 12:13:13	0.000	0.000	0.000
006	1/19/2018 12:14:13	0.000	0.000	0.000
Peak	0.000	0.000	0.000	
Min	0.000	0.000	0.000	
Average	0.000	0.000	0.000	

18/01/23 09:18

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin 1/23/2018 09:18:10
End 1/23/2018 16:48:41
Sample Period(s) 60
Number of Records 450

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

VOC(ppm) VOC(ppm) VOC(ppm)

			Pine_24759_20180226		
Index	Date/Time	(Min)	(Avg)	(Max)	
001	1/23/2018	09:19:10	0.000	0.000	0.000
002	1/23/2018	09:20:10	0.000	0.000	0.000
003	1/23/2018	09:21:10	0.000	0.000	0.000
004	1/23/2018	09:22:10	0.000	0.000	0.000
005	1/23/2018	09:23:10	0.000	0.000	0.000
006	1/23/2018	09:24:10	0.000	0.000	0.000
007	1/23/2018	09:25:10	0.000	0.000	0.000
008	1/23/2018	09:26:10	0.000	0.000	0.000
009	1/23/2018	09:27:10	0.000	0.000	0.000
010	1/23/2018	09:28:10	0.000	0.000	0.000
011	1/23/2018	09:29:10	0.000	0.000	0.000
012	1/23/2018	09:30:10	0.000	0.000	0.000
013	1/23/2018	09:31:10	0.000	0.000	0.000
014	1/23/2018	09:32:10	0.000	0.000	0.000
015	1/23/2018	09:33:10	0.000	0.000	0.000
016	1/23/2018	09:34:10	0.000	0.000	0.000
017	1/23/2018	09:35:10	0.000	0.000	0.000
018	1/23/2018	09:36:10	0.000	0.000	0.000
019	1/23/2018	09:37:10	0.000	0.000	0.000
020	1/23/2018	09:38:10	0.000	0.000	0.000
021	1/23/2018	09:39:10	0.000	0.000	0.000
022	1/23/2018	09:40:10	0.000	0.000	0.000
023	1/23/2018	09:41:10	0.000	0.000	0.000
024	1/23/2018	09:42:10	0.000	0.000	0.000
025	1/23/2018	09:43:10	0.000	0.000	0.000
026	1/23/2018	09:44:10	0.000	0.000	0.000
027	1/23/2018	09:45:10	0.000	0.000	0.000
028	1/23/2018	09:46:10	0.000	0.000	0.000
029	1/23/2018	09:47:10	0.000	0.000	0.000
030	1/23/2018	09:48:10	0.000	0.000	0.000
031	1/23/2018	09:49:10	0.000	0.000	0.000
032	1/23/2018	09:50:10	0.000	0.000	0.000
033	1/23/2018	09:51:10	0.000	0.000	0.000
034	1/23/2018	09:52:10	0.000	0.000	0.000
035	1/23/2018	09:53:10	0.000	0.000	0.000
036	1/23/2018	09:54:10	0.000	0.000	0.000
037	1/23/2018	09:55:10	0.000	0.000	0.000
038	1/23/2018	09:56:10	0.000	0.000	0.000
039	1/23/2018	09:57:10	0.000	0.000	0.000
040	1/23/2018	09:58:10	0.000	0.000	0.000
041	1/23/2018	09:59:10	0.000	0.000	0.000
042	1/23/2018	10:00:10	0.000	0.000	0.000
043	1/23/2018	10:01:10	0.000	0.000	0.000
044	1/23/2018	10:02:10	0.000	0.000	0.000
045	1/23/2018	10:03:10	0.000	0.000	0.000
046	1/23/2018	10:04:10	0.000	0.000	0.000
047	1/23/2018	10:05:10	0.000	0.000	0.000

			Pine_24759_20180226		
048	1/23/2018	10:06:10	0.000	0.000	0.000
049	1/23/2018	10:07:10	0.000	0.000	0.000
050	1/23/2018	10:08:10	0.000	0.000	0.000
051	1/23/2018	10:09:10	0.000	0.000	0.000
052	1/23/2018	10:10:10	0.000	0.000	0.000
053	1/23/2018	10:11:10	0.000	0.000	0.000
054	1/23/2018	10:12:10	0.000	0.000	0.000
055	1/23/2018	10:13:10	0.000	0.000	0.000
056	1/23/2018	10:14:10	0.000	0.000	0.000
057	1/23/2018	10:15:10	0.000	0.000	0.000
058	1/23/2018	10:16:10	0.000	0.000	0.000
059	1/23/2018	10:17:10	0.000	0.000	0.000
060	1/23/2018	10:18:10	0.000	0.000	0.000
061	1/23/2018	10:19:10	0.000	0.000	0.000
062	1/23/2018	10:20:10	0.000	0.000	0.000
063	1/23/2018	10:21:10	0.000	0.000	0.000
064	1/23/2018	10:22:10	0.000	0.000	0.000
065	1/23/2018	10:23:10	0.000	0.000	0.000
066	1/23/2018	10:24:10	0.000	0.000	0.000
067	1/23/2018	10:25:10	0.000	0.000	0.000
068	1/23/2018	10:26:10	0.000	0.000	0.000
069	1/23/2018	10:27:10	0.000	0.000	0.000
070	1/23/2018	10:28:10	0.000	0.000	0.000
071	1/23/2018	10:29:10	0.000	0.000	0.000
072	1/23/2018	10:30:10	0.000	0.000	0.000
073	1/23/2018	10:31:10	0.000	0.000	0.000
074	1/23/2018	10:32:10	0.000	0.000	0.000
075	1/23/2018	10:33:10	0.000	0.000	0.000
076	1/23/2018	10:34:10	0.000	0.000	0.000
077	1/23/2018	10:35:10	0.000	0.000	0.000
078	1/23/2018	10:36:10	0.000	0.000	0.000
079	1/23/2018	10:37:10	0.000	0.000	0.000
080	1/23/2018	10:38:10	0.000	0.005	0.051
081	1/23/2018	10:39:10	0.000	0.000	0.000
082	1/23/2018	10:40:10	0.000	0.000	0.000
083	1/23/2018	10:41:10	0.000	0.000	0.000
084	1/23/2018	10:42:10	0.000	0.000	0.000
085	1/23/2018	10:43:10	0.000	0.000	0.000
086	1/23/2018	10:44:10	0.000	0.000	0.000
087	1/23/2018	10:45:10	0.000	0.000	0.000
088	1/23/2018	10:46:10	0.000	0.000	0.000
089	1/23/2018	10:47:10	0.000	0.000	0.000
090	1/23/2018	10:48:10	0.000	0.000	0.000
091	1/23/2018	10:49:10	0.000	0.000	0.000
092	1/23/2018	10:50:10	0.000	0.000	0.000
093	1/23/2018	10:51:10	0.000	0.000	0.000
094	1/23/2018	10:52:10	0.000	0.000	0.000
095	1/23/2018	10:53:10	0.000	0.000	0.000

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096	1/23/2018	10:54:10	0.000	0.000	0.000
097	1/23/2018	10:55:10	0.000	0.000	0.000
098	1/23/2018	10:56:10	0.000	0.000	0.000
099	1/23/2018	10:57:10	0.000	0.000	0.000
100	1/23/2018	10:58:10	0.000	0.000	0.000
101	1/23/2018	10:59:10	0.000	0.000	0.000
102	1/23/2018	11:00:10	0.000	0.000	0.000
103	1/23/2018	11:01:10	0.000	0.000	0.000
104	1/23/2018	11:02:10	0.000	0.000	0.000
105	1/23/2018	11:03:10	0.000	0.000	0.000
106	1/23/2018	11:04:10	0.000	0.000	0.000
107	1/23/2018	11:05:10	0.000	0.000	0.000
108	1/23/2018	11:06:10	0.000	0.000	0.000
109	1/23/2018	11:07:10	0.000	0.000	0.000
110	1/23/2018	11:08:10	0.000	0.000	0.000
111	1/23/2018	11:09:10	0.000	0.000	0.000
112	1/23/2018	11:10:10	0.000	0.000	0.000
113	1/23/2018	11:11:10	0.000	0.000	0.000
114	1/23/2018	11:12:10	0.000	0.000	0.000
115	1/23/2018	11:13:10	0.000	0.000	0.000
116	1/23/2018	11:14:10	0.000	0.000	0.000
117	1/23/2018	11:15:10	0.000	0.000	0.000
118	1/23/2018	11:16:10	0.000	0.000	0.000
119	1/23/2018	11:17:10	0.000	0.000	0.000
120	1/23/2018	11:18:10	0.000	0.000	0.000
121	1/23/2018	11:19:10	0.000	0.000	0.000
122	1/23/2018	11:20:10	0.000	0.000	0.000
123	1/23/2018	11:21:10	0.000	0.000	0.000
124	1/23/2018	11:22:10	0.000	0.000	0.000
125	1/23/2018	11:23:10	0.000	0.000	0.000
126	1/23/2018	11:24:10	0.000	0.000	0.000
127	1/23/2018	11:25:10	0.000	0.000	0.000
128	1/23/2018	11:26:10	0.000	0.000	0.000
129	1/23/2018	11:27:10	0.000	0.000	0.000
130	1/23/2018	11:28:10	0.000	0.000	0.000
131	1/23/2018	11:29:10	0.000	0.000	0.000
132	1/23/2018	11:30:10	0.000	0.000	0.000
133	1/23/2018	11:31:10	0.000	0.000	0.000
134	1/23/2018	11:32:10	0.000	0.000	0.000
135	1/23/2018	11:33:10	0.000	0.000	0.000
136	1/23/2018	11:34:10	0.000	0.000	0.000
137	1/23/2018	11:35:10	0.000	0.000	0.000
138	1/23/2018	11:36:10	0.000	0.000	0.000
139	1/23/2018	11:37:10	0.000	0.000	0.000
140	1/23/2018	11:38:10	0.000	0.000	0.000
141	1/23/2018	11:39:10	0.000	0.000	0.000
142	1/23/2018	11:40:10	0.000	0.000	0.000
143	1/23/2018	11:41:10	0.000	0.000	0.000

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144	1/23/2018	11:42:10	0.000	0.000	0.000
145	1/23/2018	11:43:10	0.000	0.000	0.000
146	1/23/2018	11:44:10	0.000	0.000	0.000
147	1/23/2018	11:45:10	0.000	0.000	0.000
148	1/23/2018	11:46:10	0.000	0.000	0.000
149	1/23/2018	11:47:10	0.000	0.000	0.000
150	1/23/2018	11:48:10	0.000	0.000	0.000
151	1/23/2018	11:49:10	0.000	0.000	0.000
152	1/23/2018	11:50:10	0.000	0.000	0.000
153	1/23/2018	11:51:10	0.000	0.000	0.000
154	1/23/2018	11:52:10	0.000	0.000	0.000
155	1/23/2018	11:53:10	0.000	0.000	0.000
156	1/23/2018	11:54:10	0.000	0.000	0.000
157	1/23/2018	11:55:10	0.000	0.000	0.000
158	1/23/2018	11:56:10	0.000	0.000	0.000
159	1/23/2018	11:57:10	0.000	0.000	0.000
160	1/23/2018	11:58:10	0.000	0.000	0.000
161	1/23/2018	11:59:10	0.000	0.000	0.000
162	1/23/2018	12:00:10	0.000	0.000	0.000
163	1/23/2018	12:01:10	0.000	0.000	0.000
164	1/23/2018	12:02:10	0.000	0.000	0.000
165	1/23/2018	12:03:10	0.000	0.000	0.000
166	1/23/2018	12:04:10	0.000	0.000	0.000
167	1/23/2018	12:05:10	0.000	0.000	0.000
168	1/23/2018	12:06:10	0.000	0.000	0.000
169	1/23/2018	12:07:10	0.000	0.000	0.000
170	1/23/2018	12:08:10	0.000	0.000	0.000
171	1/23/2018	12:09:10	0.000	0.000	0.000
172	1/23/2018	12:10:10	0.000	0.000	0.000
173	1/23/2018	12:11:10	0.000	0.000	0.000
174	1/23/2018	12:12:10	0.000	0.000	0.000
175	1/23/2018	12:13:10	0.000	0.000	0.000
176	1/23/2018	12:14:10	0.000	0.000	0.000
177	1/23/2018	12:15:10	0.000	0.000	0.000
178	1/23/2018	12:16:10	0.000	0.000	0.000
179	1/23/2018	12:17:10	0.000	0.000	0.000
180	1/23/2018	12:18:10	0.000	0.000	0.000
181	1/23/2018	12:19:10	0.000	0.000	0.000
182	1/23/2018	12:20:10	0.000	0.000	0.000
183	1/23/2018	12:21:10	0.000	0.000	0.000
184	1/23/2018	12:22:10	0.000	0.000	0.000
185	1/23/2018	12:23:10	0.000	0.000	0.000
186	1/23/2018	12:24:10	0.000	0.000	0.000
187	1/23/2018	12:25:10	0.000	0.000	0.000
188	1/23/2018	12:26:10	0.000	0.000	0.000
189	1/23/2018	12:27:10	0.000	0.000	0.000
190	1/23/2018	12:28:10	0.000	0.000	0.000
191	1/23/2018	12:29:10	0.000	0.000	0.000

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192	1/23/2018	12:30:10	0.000	0.000	0.000
193	1/23/2018	12:31:10	0.000	0.000	0.000
194	1/23/2018	12:32:10	0.000	0.000	0.000
195	1/23/2018	12:33:10	0.000	0.000	0.000
196	1/23/2018	12:34:10	0.000	0.000	0.000
197	1/23/2018	12:35:10	0.000	0.000	0.000
198	1/23/2018	12:36:10	0.000	0.000	0.000
199	1/23/2018	12:37:10	0.000	0.000	0.000
200	1/23/2018	12:38:10	0.000	0.000	0.000
201	1/23/2018	12:39:10	0.000	0.000	0.000
202	1/23/2018	12:40:10	0.000	0.000	0.000
203	1/23/2018	12:41:10	0.000	0.000	0.000
204	1/23/2018	12:42:10	0.000	0.000	0.000
205	1/23/2018	12:43:10	0.000	0.000	0.000
206	1/23/2018	12:44:10	0.000	0.000	0.000
207	1/23/2018	12:45:10	0.000	0.000	0.000
208	1/23/2018	12:46:10	0.000	0.000	0.000
209	1/23/2018	12:47:10	0.000	0.000	0.000
210	1/23/2018	12:48:10	0.000	0.000	0.000
211	1/23/2018	12:49:10	0.000	0.000	0.000
212	1/23/2018	12:50:10	0.000	0.000	0.000
213	1/23/2018	12:51:10	0.000	0.000	0.000
214	1/23/2018	12:52:10	0.000	0.000	0.000
215	1/23/2018	12:53:10	0.000	0.000	0.000
216	1/23/2018	12:54:10	0.000	0.000	0.000
217	1/23/2018	12:55:10	0.000	0.000	0.000
218	1/23/2018	12:56:10	0.000	0.000	0.000
219	1/23/2018	12:57:10	0.000	0.000	0.000
220	1/23/2018	12:58:10	0.000	0.000	0.000
221	1/23/2018	12:59:10	0.000	0.000	0.000
222	1/23/2018	13:00:10	0.000	0.000	0.000
223	1/23/2018	13:01:10	0.000	0.000	0.000
224	1/23/2018	13:02:10	0.000	0.000	0.000
225	1/23/2018	13:03:10	0.000	0.000	0.000
226	1/23/2018	13:04:10	0.000	0.000	0.000
227	1/23/2018	13:05:10	0.000	0.000	0.000
228	1/23/2018	13:06:10	0.000	0.000	0.000
229	1/23/2018	13:07:10	0.000	0.000	0.000
230	1/23/2018	13:08:10	0.000	0.000	0.000
231	1/23/2018	13:09:10	0.000	0.000	0.000
232	1/23/2018	13:10:10	0.000	0.000	0.000
233	1/23/2018	13:11:10	0.000	0.000	0.000
234	1/23/2018	13:12:10	0.000	0.000	0.000
235	1/23/2018	13:13:10	0.000	0.000	0.000
236	1/23/2018	13:14:10	0.000	0.000	0.000
237	1/23/2018	13:15:10	0.000	0.000	0.000
238	1/23/2018	13:16:10	0.000	0.000	0.000
239	1/23/2018	13:17:10	0.000	0.000	0.000

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240	1/23/2018	13:18:10	0.000	0.000	0.000
241	1/23/2018	13:19:10	0.000	0.000	0.000
242	1/23/2018	13:20:10	0.000	0.000	0.000
243	1/23/2018	13:21:10	0.000	0.000	0.000
244	1/23/2018	13:22:10	0.000	0.000	0.000
245	1/23/2018	13:23:10	0.000	0.000	0.000
246	1/23/2018	13:24:10	0.000	0.000	0.000
247	1/23/2018	13:25:10	0.000	0.000	0.000
248	1/23/2018	13:26:10	0.000	0.000	0.000
249	1/23/2018	13:27:10	0.000	0.000	0.000
250	1/23/2018	13:28:10	0.000	0.000	0.000
251	1/23/2018	13:29:10	0.000	0.000	0.000
252	1/23/2018	13:30:10	0.000	0.000	0.000
253	1/23/2018	13:31:10	0.000	0.000	0.000
254	1/23/2018	13:32:10	0.000	0.000	0.000
255	1/23/2018	13:33:10	0.000	0.000	0.000
256	1/23/2018	13:34:10	0.000	0.000	0.000
257	1/23/2018	13:35:10	0.000	0.000	0.000
258	1/23/2018	13:36:10	0.000	0.000	0.000
259	1/23/2018	13:37:10	0.000	0.000	0.000
260	1/23/2018	13:38:10	0.000	0.000	0.000
261	1/23/2018	13:39:10	0.000	0.000	0.000
262	1/23/2018	13:40:10	0.000	0.000	0.000
263	1/23/2018	13:41:10	0.000	0.000	0.000
264	1/23/2018	13:42:10	0.000	0.000	0.000
265	1/23/2018	13:43:10	0.000	0.000	0.000
266	1/23/2018	13:44:10	0.000	0.000	0.000
267	1/23/2018	13:45:10	0.000	0.000	0.000
268	1/23/2018	13:46:10	0.000	0.000	0.000
269	1/23/2018	13:47:10	0.000	0.000	0.000
270	1/23/2018	13:48:10	0.000	0.000	0.000
271	1/23/2018	13:49:10	0.000	0.000	0.000
272	1/23/2018	13:50:10	0.000	0.000	0.000
273	1/23/2018	13:51:10	0.000	0.000	0.000
274	1/23/2018	13:52:10	0.000	0.000	0.000
275	1/23/2018	13:53:10	0.000	0.000	0.000
276	1/23/2018	13:54:10	0.000	0.000	0.000
277	1/23/2018	13:55:10	0.000	0.000	0.000
278	1/23/2018	13:56:10	0.000	0.000	0.000
279	1/23/2018	13:57:10	0.000	0.000	0.000
280	1/23/2018	13:58:10	0.000	0.000	0.000
281	1/23/2018	13:59:10	0.000	0.000	0.000
282	1/23/2018	14:00:10	0.000	0.000	0.000
283	1/23/2018	14:01:10	0.000	0.000	0.000
284	1/23/2018	14:02:10	0.000	0.000	0.000
285	1/23/2018	14:03:10	0.000	0.000	0.000
286	1/23/2018	14:04:10	0.000	0.000	0.000
287	1/23/2018	14:05:10	0.000	0.000	0.000

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288	1/23/2018	14:06:10	0.000	0.000	0.000
289	1/23/2018	14:07:10	0.000	0.000	0.000
290	1/23/2018	14:08:10	0.000	0.000	0.000
291	1/23/2018	14:09:10	0.000	0.000	0.000
292	1/23/2018	14:10:10	0.000	0.000	0.000
293	1/23/2018	14:11:10	0.000	0.000	0.000
294	1/23/2018	14:12:10	0.000	0.000	0.000
295	1/23/2018	14:13:10	0.000	0.000	0.000
296	1/23/2018	14:14:10	0.000	0.000	0.000
297	1/23/2018	14:15:10	0.000	0.000	0.000
298	1/23/2018	14:16:10	0.000	0.000	0.000
299	1/23/2018	14:17:10	0.000	0.000	0.000
300	1/23/2018	14:18:10	0.000	0.000	0.000
301	1/23/2018	14:19:10	0.000	0.000	0.000
302	1/23/2018	14:20:10	0.000	0.000	0.000
303	1/23/2018	14:21:10	0.000	0.000	0.000
304	1/23/2018	14:22:10	0.000	0.000	0.000
305	1/23/2018	14:23:10	0.000	0.000	0.000
306	1/23/2018	14:24:10	0.000	0.000	0.000
307	1/23/2018	14:25:10	0.000	0.000	0.000
308	1/23/2018	14:26:10	0.000	0.000	0.000
309	1/23/2018	14:27:10	0.000	0.000	0.000
310	1/23/2018	14:28:10	0.000	0.000	0.000
311	1/23/2018	14:29:10	0.000	0.000	0.000
312	1/23/2018	14:30:10	0.000	0.000	0.000
313	1/23/2018	14:31:10	0.000	0.000	0.000
314	1/23/2018	14:32:10	0.000	0.000	0.000
315	1/23/2018	14:33:10	0.000	0.000	0.000
316	1/23/2018	14:34:10	0.000	0.000	0.000
317	1/23/2018	14:35:10	0.000	0.000	0.000
318	1/23/2018	14:36:10	0.000	0.000	0.000
319	1/23/2018	14:37:10	0.000	0.000	0.000
320	1/23/2018	14:38:10	0.000	0.000	0.000
321	1/23/2018	14:39:10	0.000	0.000	0.000
322	1/23/2018	14:40:10	0.000	0.000	0.000
323	1/23/2018	14:41:10	0.000	0.000	0.000
324	1/23/2018	14:42:10	0.000	0.000	0.000
325	1/23/2018	14:43:10	0.000	0.000	0.000
326	1/23/2018	14:44:10	0.000	0.000	0.000
327	1/23/2018	14:45:10	0.000	0.000	0.000
328	1/23/2018	14:46:10	0.000	0.000	0.000
329	1/23/2018	14:47:10	0.000	0.000	0.000
330	1/23/2018	14:48:10	0.000	0.000	0.000
331	1/23/2018	14:49:10	0.000	0.000	0.000
332	1/23/2018	14:50:10	0.000	0.000	0.000
333	1/23/2018	14:51:10	0.000	0.000	0.000
334	1/23/2018	14:52:10	0.000	0.000	0.000
335	1/23/2018	14:53:10	0.000	0.000	0.000

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336	1/23/2018	14:54:10	0.000	0.000	0.000
337	1/23/2018	14:55:10	0.000	0.000	0.000
338	1/23/2018	14:56:10	0.000	0.000	0.000
339	1/23/2018	14:57:10	0.000	0.000	0.000
340	1/23/2018	14:58:10	0.000	0.000	0.000
341	1/23/2018	14:59:10	0.000	0.000	0.000
342	1/23/2018	15:00:10	0.000	0.000	0.000
343	1/23/2018	15:01:10	0.000	0.000	0.000
344	1/23/2018	15:02:10	0.000	0.000	0.000
345	1/23/2018	15:03:10	0.000	0.000	0.000
346	1/23/2018	15:04:10	0.000	0.000	0.000
347	1/23/2018	15:05:10	0.000	0.000	0.000
348	1/23/2018	15:06:10	0.000	0.000	0.000
349	1/23/2018	15:07:10	0.000	0.000	0.000
350	1/23/2018	15:08:10	0.000	0.000	0.000
351	1/23/2018	15:09:10	0.000	0.000	0.000
352	1/23/2018	15:10:10	0.000	0.000	0.000
353	1/23/2018	15:11:10	0.000	0.000	0.000
354	1/23/2018	15:12:10	0.000	0.000	0.000
355	1/23/2018	15:13:10	0.000	0.000	0.000
356	1/23/2018	15:14:10	0.000	0.000	0.000
357	1/23/2018	15:15:10	0.000	0.000	0.000
358	1/23/2018	15:16:10	0.000	0.000	0.000
359	1/23/2018	15:17:10	0.000	0.000	0.000
360	1/23/2018	15:18:10	0.000	0.000	0.000
361	1/23/2018	15:19:10	0.000	0.000	0.000
362	1/23/2018	15:20:10	0.000	0.000	0.000
363	1/23/2018	15:21:10	0.000	0.000	0.000
364	1/23/2018	15:22:10	0.000	0.000	0.000
365	1/23/2018	15:23:10	0.000	0.000	0.000
366	1/23/2018	15:24:10	0.000	0.000	0.000
367	1/23/2018	15:25:10	0.000	0.000	0.000
368	1/23/2018	15:26:10	0.000	0.000	0.000
369	1/23/2018	15:27:10	0.000	0.000	0.000
370	1/23/2018	15:28:10	0.000	0.000	0.000
371	1/23/2018	15:29:10	0.000	0.000	0.000
372	1/23/2018	15:30:10	0.000	0.000	0.000
373	1/23/2018	15:31:10	0.000	0.000	0.000
374	1/23/2018	15:32:10	0.000	0.000	0.000
375	1/23/2018	15:33:10	0.000	0.000	0.000
376	1/23/2018	15:34:10	0.000	0.000	0.000
377	1/23/2018	15:35:10	0.000	0.000	0.000
378	1/23/2018	15:36:10	0.000	0.000	0.000
379	1/23/2018	15:37:10	0.000	0.000	0.000
380	1/23/2018	15:38:10	0.000	0.000	0.000
381	1/23/2018	15:39:10	0.000	0.000	0.000
382	1/23/2018	15:40:10	0.000	0.000	0.000
383	1/23/2018	15:41:10	0.000	0.000	0.000

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384	1/23/2018	15:42:10	0.000	0.000	0.000
385	1/23/2018	15:43:10	0.000	0.000	0.000
386	1/23/2018	15:44:10	0.000	0.000	0.000
387	1/23/2018	15:45:10	0.000	0.000	0.000
388	1/23/2018	15:46:10	0.000	0.000	0.000
389	1/23/2018	15:47:10	0.000	0.000	0.000
390	1/23/2018	15:48:10	0.000	0.000	0.000
391	1/23/2018	15:49:10	0.000	0.000	0.000
392	1/23/2018	15:50:10	0.000	0.000	0.000
393	1/23/2018	15:51:10	0.000	0.000	0.000
394	1/23/2018	15:52:10	0.000	0.000	0.000
395	1/23/2018	15:53:10	0.000	0.000	0.000
396	1/23/2018	15:54:10	0.000	0.000	0.000
397	1/23/2018	15:55:10	0.000	0.000	0.000
398	1/23/2018	15:56:10	0.000	0.000	0.000
399	1/23/2018	15:57:10	0.000	0.000	0.000
400	1/23/2018	15:58:10	0.000	0.000	0.000
401	1/23/2018	15:59:10	0.000	0.000	0.000
402	1/23/2018	16:00:10	0.000	0.000	0.000
403	1/23/2018	16:01:10	0.000	0.000	0.000
404	1/23/2018	16:02:10	0.000	0.000	0.000
405	1/23/2018	16:03:10	0.000	0.000	0.000
406	1/23/2018	16:04:10	0.000	0.000	0.000
407	1/23/2018	16:05:10	0.000	0.000	0.000
408	1/23/2018	16:06:10	0.000	0.000	0.000
409	1/23/2018	16:07:10	0.000	0.000	0.000
410	1/23/2018	16:08:10	0.000	0.000	0.000
411	1/23/2018	16:09:10	0.000	0.000	0.000
412	1/23/2018	16:10:10	0.000	0.000	0.000
413	1/23/2018	16:11:10	0.000	0.000	0.000
414	1/23/2018	16:12:10	0.000	0.000	0.000
415	1/23/2018	16:13:10	0.000	0.000	0.000
416	1/23/2018	16:14:10	0.000	0.000	0.000
417	1/23/2018	16:15:10	0.000	0.000	0.000
418	1/23/2018	16:16:10	0.000	0.000	0.000
419	1/23/2018	16:17:10	0.000	0.000	0.000
420	1/23/2018	16:18:10	0.000	0.000	0.000
421	1/23/2018	16:19:10	0.000	0.000	0.000
422	1/23/2018	16:20:10	0.000	0.000	0.000
423	1/23/2018	16:21:10	0.000	0.000	0.000
424	1/23/2018	16:22:10	0.000	0.000	0.000
425	1/23/2018	16:23:10	0.000	0.000	0.000
426	1/23/2018	16:24:10	0.000	0.000	0.000
427	1/23/2018	16:25:10	0.000	0.000	0.000
428	1/23/2018	16:26:10	0.000	0.000	0.000
429	1/23/2018	16:27:10	0.000	0.000	0.000
430	1/23/2018	16:28:10	0.000	0.000	0.000
431	1/23/2018	16:29:10	0.000	0.000	0.000

```

Pine_24759_20180226
432      1/23/2018 16:30:10      0.000      0.000      0.000
433      1/23/2018 16:31:10      0.000      0.000      0.000
434      1/23/2018 16:32:10      0.000      0.000      0.000
435      1/23/2018 16:33:10      0.000      0.000      0.000
436      1/23/2018 16:34:10      0.000      0.000      0.000
437      1/23/2018 16:35:10      0.000      0.000      0.000
438      1/23/2018 16:36:10      0.000      0.000      0.000
439      1/23/2018 16:37:10      0.000      0.000      0.000
440      1/23/2018 16:38:10      0.000      0.000      0.000
441      1/23/2018 16:39:10      0.000      0.000      0.000
442      1/23/2018 16:40:10      0.000      0.000      0.000
443      1/23/2018 16:41:10      0.000      0.000      0.000
444      1/23/2018 16:42:10      0.000      0.000      0.000
445      1/23/2018 16:43:10      0.000      0.000      0.000
446      1/23/2018 16:44:10      0.000      0.000      0.000
447      1/23/2018 16:45:10      0.000      0.000      0.000
448      1/23/2018 16:46:10      0.000      0.000      0.000
449      1/23/2018 16:47:10      0.000      0.000      0.000
450      1/23/2018 16:48:10      0.000      0.000      0.000
Peak                0.000      0.005      0.051
Min                 0.000      0.000      0.000
Average             0.000      0.000      0.000

```

=====

18/01/24 09:21

Summary

```

-----
Unit Name      MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver      V1.20

```

```

-----
Running Mode    Hygiene Mode
Measure Type    Min; Avg; Max
Datalog Mode    Continuous
Datalog Type    Auto
Diagnostic Mode  No
Stop Reason     Battery Low

```

```

-----
Site ID RAE00000
User ID 00000001

```

```

-----
Begin  1/24/2018 09:21:55
End    1/24/2018 14:28:27
Sample Period(s)      60
Number of Records     306

```

```

-----
Sensor  VOC(ppm)

```

Pine_24759_20180226

Span 100.000

Span 2 N/A

Low Alarm 50.000

High Alarm 100.000

Over Alarm 15000.000

STEL Alarm 25.000

TWA Alarm 10.000

Measurement Gas Isobutylene

Calibration Time 11/3/2017 08:06

Peak N/A

Min N/A

Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	1/24/2018 09:22:55	0.000	0.000	0.000	0.000
002	1/24/2018 09:23:55	0.000	0.000	0.000	0.000
003	1/24/2018 09:24:55	0.000	0.000	0.000	0.000
004	1/24/2018 09:25:55	0.000	0.000	0.000	0.000
005	1/24/2018 09:26:55	0.000	0.000	0.000	0.000
006	1/24/2018 09:27:55	0.000	0.000	0.000	0.000
007	1/24/2018 09:28:55	0.000	0.000	0.000	0.000
008	1/24/2018 09:29:55	0.000	0.000	0.000	0.000
009	1/24/2018 09:30:55	0.000	0.000	0.000	0.000
010	1/24/2018 09:31:55	0.000	0.000	0.000	0.000
011	1/24/2018 09:32:55	0.000	0.000	0.000	0.000
012	1/24/2018 09:33:55	0.000	0.000	0.000	0.000
013	1/24/2018 09:34:55	0.000	0.000	0.000	0.000
014	1/24/2018 09:35:55	0.000	0.000	0.000	0.000
015	1/24/2018 09:36:55	0.000	0.000	0.000	0.000
016	1/24/2018 09:37:55	0.000	0.000	0.000	0.000
017	1/24/2018 09:38:55	0.000	0.000	0.000	0.000
018	1/24/2018 09:39:55	0.000	0.000	0.000	0.000
019	1/24/2018 09:40:55	0.000	0.000	0.000	0.000
020	1/24/2018 09:41:55	0.000	0.000	0.000	0.000
021	1/24/2018 09:42:55	0.000	0.000	0.000	0.000
022	1/24/2018 09:43:55	0.000	0.000	0.000	0.000
023	1/24/2018 09:44:55	0.000	0.000	0.000	0.000
024	1/24/2018 09:45:55	0.000	0.000	0.000	0.000
025	1/24/2018 09:46:55	0.000	0.000	0.000	0.000
026	1/24/2018 09:47:55	0.000	0.000	0.000	0.000
027	1/24/2018 09:48:55	0.000	0.000	0.000	0.000
028	1/24/2018 09:49:55	0.000	0.000	0.000	0.000
029	1/24/2018 09:50:55	0.000	0.000	0.000	0.000
030	1/24/2018 09:51:55	0.000	0.000	0.000	0.000
031	1/24/2018 09:52:55	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
032	1/24/2018	09:53:55	0.000	0.000	0.000
033	1/24/2018	09:54:55	0.000	0.000	0.000
034	1/24/2018	09:55:55	0.000	0.000	0.000
035	1/24/2018	09:56:55	0.000	0.000	0.000
036	1/24/2018	09:57:55	0.000	0.000	0.000
037	1/24/2018	09:58:55	0.000	0.000	0.000
038	1/24/2018	09:59:55	0.000	0.000	0.000
039	1/24/2018	10:00:55	0.000	0.000	0.000
040	1/24/2018	10:01:55	0.000	0.000	0.000
041	1/24/2018	10:02:55	0.000	0.000	0.000
042	1/24/2018	10:03:55	0.000	0.000	0.000
043	1/24/2018	10:04:55	0.000	0.000	0.000
044	1/24/2018	10:05:55	0.000	0.000	0.003
045	1/24/2018	10:06:55	0.000	0.000	0.000
046	1/24/2018	10:07:55	0.000	0.000	0.000
047	1/24/2018	10:08:55	0.000	0.000	0.000
048	1/24/2018	10:09:55	0.000	0.000	0.000
049	1/24/2018	10:10:55	0.000	0.001	0.019
050	1/24/2018	10:11:55	0.000	0.000	0.000
051	1/24/2018	10:12:55	0.000	0.000	0.000
052	1/24/2018	10:13:55	0.000	0.000	0.000
053	1/24/2018	10:14:55	0.000	0.000	0.000
054	1/24/2018	10:15:55	0.000	0.000	0.000
055	1/24/2018	10:16:55	0.000	0.000	0.000
056	1/24/2018	10:17:55	0.000	0.000	0.000
057	1/24/2018	10:18:55	0.000	0.000	0.000
058	1/24/2018	10:19:55	0.000	0.000	0.000
059	1/24/2018	10:20:55	0.000	0.000	0.000
060	1/24/2018	10:21:55	0.000	0.000	0.000
061	1/24/2018	10:22:55	0.000	0.000	0.000
062	1/24/2018	10:23:55	0.000	0.000	0.000
063	1/24/2018	10:24:55	0.000	0.000	0.000
064	1/24/2018	10:25:55	0.000	0.000	0.000
065	1/24/2018	10:26:55	0.000	0.000	0.000
066	1/24/2018	10:27:55	0.000	0.000	0.000
067	1/24/2018	10:28:55	0.000	0.000	0.000
068	1/24/2018	10:29:55	0.000	0.000	0.000
069	1/24/2018	10:30:55	0.000	0.000	0.000
070	1/24/2018	10:31:55	0.000	0.000	0.000
071	1/24/2018	10:32:55	0.000	0.000	0.000
072	1/24/2018	10:33:55	0.000	0.000	0.000
073	1/24/2018	10:34:55	0.000	0.000	0.000
074	1/24/2018	10:35:55	0.000	0.000	0.000
075	1/24/2018	10:36:55	0.000	0.000	0.000
076	1/24/2018	10:37:55	0.000	0.000	0.000
077	1/24/2018	10:38:55	0.000	0.000	0.000
078	1/24/2018	10:39:55	0.000	0.000	0.000
079	1/24/2018	10:40:55	0.000	0.000	0.000

			Pine_24759_20180226		
080	1/24/2018	10:41:55	0.000	0.000	0.000
081	1/24/2018	10:42:55	0.000	0.000	0.000
082	1/24/2018	10:43:55	0.000	0.000	0.000
083	1/24/2018	10:44:55	0.000	0.000	0.000
084	1/24/2018	10:45:55	0.000	0.000	0.000
085	1/24/2018	10:46:55	0.000	0.000	0.000
086	1/24/2018	10:47:55	0.000	0.000	0.000
087	1/24/2018	10:48:55	0.000	0.000	0.000
088	1/24/2018	10:49:55	0.000	0.000	0.000
089	1/24/2018	10:50:55	0.000	0.000	0.000
090	1/24/2018	10:51:55	0.000	0.000	0.000
091	1/24/2018	10:52:55	0.000	0.000	0.000
092	1/24/2018	10:53:55	0.000	0.000	0.000
093	1/24/2018	10:54:55	0.000	0.000	0.000
094	1/24/2018	10:55:55	0.000	0.000	0.000
095	1/24/2018	10:56:55	0.000	0.000	0.000
096	1/24/2018	10:57:55	0.000	0.000	0.000
097	1/24/2018	10:58:55	0.000	0.000	0.000
098	1/24/2018	10:59:55	0.000	0.000	0.000
099	1/24/2018	11:00:55	0.000	0.000	0.000
100	1/24/2018	11:01:55	0.000	0.000	0.000
101	1/24/2018	11:02:55	0.000	0.000	0.000
102	1/24/2018	11:03:55	0.000	0.000	0.000
103	1/24/2018	11:04:55	0.000	0.000	0.000
104	1/24/2018	11:05:55	0.000	0.000	0.000
105	1/24/2018	11:06:55	0.000	0.000	0.000
106	1/24/2018	11:07:55	0.000	0.000	0.000
107	1/24/2018	11:08:55	0.000	0.000	0.000
108	1/24/2018	11:09:55	0.000	0.000	0.000
109	1/24/2018	11:10:55	0.000	0.000	0.000
110	1/24/2018	11:11:55	0.000	0.000	0.000
111	1/24/2018	11:12:55	0.000	0.000	0.000
112	1/24/2018	11:13:55	0.000	0.000	0.000
113	1/24/2018	11:14:55	0.000	0.000	0.000
114	1/24/2018	11:15:55	0.000	0.000	0.000
115	1/24/2018	11:16:55	0.000	0.000	0.000
116	1/24/2018	11:17:55	0.000	0.000	0.000
117	1/24/2018	11:18:55	0.000	0.000	0.000
118	1/24/2018	11:19:55	0.000	0.000	0.000
119	1/24/2018	11:20:55	0.000	0.000	0.000
120	1/24/2018	11:21:55	0.000	0.000	0.000
121	1/24/2018	11:22:55	0.000	0.000	0.000
122	1/24/2018	11:23:55	0.000	0.000	0.000
123	1/24/2018	11:24:55	0.000	0.000	0.000
124	1/24/2018	11:25:55	0.000	0.000	0.000
125	1/24/2018	11:26:55	0.000	0.000	0.000
126	1/24/2018	11:27:55	0.000	0.000	0.000
127	1/24/2018	11:28:55	0.000	0.000	0.000

			Pine_24759_20180226		
128	1/24/2018	11:29:55	0.000	0.000	0.000
129	1/24/2018	11:30:55	0.000	0.000	0.000
130	1/24/2018	11:31:55	0.000	0.000	0.000
131	1/24/2018	11:32:55	0.000	0.000	0.000
132	1/24/2018	11:33:55	0.000	0.000	0.000
133	1/24/2018	11:34:55	0.000	0.000	0.000
134	1/24/2018	11:35:55	0.000	0.000	0.000
135	1/24/2018	11:36:55	0.000	0.000	0.000
136	1/24/2018	11:37:55	0.000	0.000	0.000
137	1/24/2018	11:38:55	0.000	0.000	0.000
138	1/24/2018	11:39:55	0.000	0.000	0.000
139	1/24/2018	11:40:55	0.000	0.000	0.000
140	1/24/2018	11:41:55	0.000	0.000	0.000
141	1/24/2018	11:42:55	0.000	0.000	0.000
142	1/24/2018	11:43:55	0.000	0.000	0.000
143	1/24/2018	11:44:55	0.000	0.000	0.000
144	1/24/2018	11:45:55	0.000	0.000	0.000
145	1/24/2018	11:46:55	0.000	0.000	0.000
146	1/24/2018	11:47:55	0.000	0.000	0.000
147	1/24/2018	11:48:55	0.000	0.000	0.000
148	1/24/2018	11:49:55	0.000	0.000	0.000
149	1/24/2018	11:50:55	0.000	0.000	0.000
150	1/24/2018	11:51:55	0.000	0.000	0.000
151	1/24/2018	11:52:55	0.000	0.000	0.000
152	1/24/2018	11:53:55	0.000	0.000	0.000
153	1/24/2018	11:54:55	0.000	0.000	0.000
154	1/24/2018	11:55:55	0.000	0.000	0.000
155	1/24/2018	11:56:55	0.000	0.000	0.000
156	1/24/2018	11:57:55	0.000	0.000	0.000
157	1/24/2018	11:58:55	0.000	0.000	0.000
158	1/24/2018	11:59:55	0.000	0.000	0.000
159	1/24/2018	12:00:55	0.000	0.000	0.000
160	1/24/2018	12:01:55	0.000	0.000	0.000
161	1/24/2018	12:02:55	0.000	0.000	0.000
162	1/24/2018	12:03:55	0.000	0.000	0.000
163	1/24/2018	12:04:55	0.000	0.000	0.000
164	1/24/2018	12:05:55	0.000	0.000	0.000
165	1/24/2018	12:06:55	0.000	0.000	0.000
166	1/24/2018	12:07:55	0.000	0.000	0.000
167	1/24/2018	12:08:55	0.000	0.000	0.000
168	1/24/2018	12:09:55	0.000	0.000	0.000
169	1/24/2018	12:10:55	0.000	0.000	0.000
170	1/24/2018	12:11:55	0.000	0.000	0.000
171	1/24/2018	12:12:55	0.000	0.000	0.000
172	1/24/2018	12:13:55	0.000	0.000	0.000
173	1/24/2018	12:14:55	0.000	0.000	0.000
174	1/24/2018	12:15:55	0.000	0.000	0.000
175	1/24/2018	12:16:55	0.000	0.000	0.000

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176	1/24/2018	12:17:55	0.000	0.000	0.000
177	1/24/2018	12:18:55	0.000	0.000	0.000
178	1/24/2018	12:19:55	0.000	0.000	0.000
179	1/24/2018	12:20:55	0.000	0.000	0.000
180	1/24/2018	12:21:55	0.000	0.000	0.000
181	1/24/2018	12:22:55	0.000	0.000	0.000
182	1/24/2018	12:23:55	0.000	0.000	0.000
183	1/24/2018	12:24:55	0.000	0.000	0.000
184	1/24/2018	12:25:55	0.000	0.000	0.000
185	1/24/2018	12:26:55	0.000	0.000	0.000
186	1/24/2018	12:27:55	0.000	0.000	0.000
187	1/24/2018	12:28:55	0.000	0.000	0.000
188	1/24/2018	12:29:55	0.000	0.000	0.000
189	1/24/2018	12:30:55	0.000	0.000	0.000
190	1/24/2018	12:31:55	0.000	0.000	0.000
191	1/24/2018	12:32:55	0.000	0.000	0.000
192	1/24/2018	12:33:55	0.000	0.000	0.000
193	1/24/2018	12:34:55	0.000	0.000	0.000
194	1/24/2018	12:35:55	0.000	0.000	0.000
195	1/24/2018	12:36:55	0.000	0.000	0.000
196	1/24/2018	12:37:55	0.000	0.000	0.000
197	1/24/2018	12:38:55	0.000	0.000	0.000
198	1/24/2018	12:39:55	0.000	0.000	0.000
199	1/24/2018	12:40:55	0.000	0.000	0.000
200	1/24/2018	12:41:55	0.000	0.000	0.000
201	1/24/2018	12:42:55	0.000	0.000	0.000
202	1/24/2018	12:43:55	0.000	0.000	0.000
203	1/24/2018	12:44:55	0.000	0.000	0.000
204	1/24/2018	12:45:55	0.000	0.000	0.000
205	1/24/2018	12:46:55	0.000	0.000	0.000
206	1/24/2018	12:47:55	0.000	0.000	0.000
207	1/24/2018	12:48:55	0.000	0.000	0.000
208	1/24/2018	12:49:55	0.000	0.000	0.000
209	1/24/2018	12:50:55	0.000	0.000	0.000
210	1/24/2018	12:51:55	0.000	0.000	0.000
211	1/24/2018	12:52:55	0.000	0.000	0.000
212	1/24/2018	12:53:55	0.000	0.000	0.000
213	1/24/2018	12:54:55	0.000	0.000	0.000
214	1/24/2018	12:55:55	0.000	0.000	0.000
215	1/24/2018	12:56:55	0.000	0.000	0.000
216	1/24/2018	12:57:55	0.000	0.000	0.000
217	1/24/2018	12:58:55	0.000	0.000	0.000
218	1/24/2018	12:59:55	0.000	0.000	0.000
219	1/24/2018	13:00:55	0.000	0.000	0.000
220	1/24/2018	13:01:55	0.000	0.000	0.000
221	1/24/2018	13:02:55	0.000	0.000	0.000
222	1/24/2018	13:03:55	0.000	0.000	0.000
223	1/24/2018	13:04:55	0.000	0.000	0.000

			Pine_24759_20180226		
224	1/24/2018	13:05:55	0.000	0.000	0.000
225	1/24/2018	13:06:55	0.000	0.000	0.000
226	1/24/2018	13:07:55	0.000	0.000	0.000
227	1/24/2018	13:08:55	0.000	0.000	0.000
228	1/24/2018	13:09:55	0.000	0.000	0.000
229	1/24/2018	13:10:55	0.000	0.000	0.000
230	1/24/2018	13:11:55	0.000	0.000	0.000
231	1/24/2018	13:12:55	0.000	0.000	0.000
232	1/24/2018	13:13:55	0.000	0.000	0.000
233	1/24/2018	13:14:55	0.000	0.000	0.000
234	1/24/2018	13:15:55	0.000	0.000	0.000
235	1/24/2018	13:16:55	0.000	0.000	0.000
236	1/24/2018	13:17:55	0.000	0.000	0.000
237	1/24/2018	13:18:55	0.000	0.000	0.000
238	1/24/2018	13:19:55	0.000	0.000	0.000
239	1/24/2018	13:20:55	0.000	0.000	0.000
240	1/24/2018	13:21:55	0.000	0.000	0.000
241	1/24/2018	13:22:55	0.000	0.000	0.000
242	1/24/2018	13:23:55	0.000	0.000	0.000
243	1/24/2018	13:24:55	0.000	0.000	0.000
244	1/24/2018	13:25:55	0.000	0.000	0.000
245	1/24/2018	13:26:55	0.000	0.000	0.000
246	1/24/2018	13:27:55	0.000	0.000	0.000
247	1/24/2018	13:28:55	0.000	0.000	0.000
248	1/24/2018	13:29:55	0.000	0.000	0.000
249	1/24/2018	13:30:55	0.000	0.000	0.000
250	1/24/2018	13:31:55	0.000	0.000	0.000
251	1/24/2018	13:32:55	0.000	0.000	0.000
252	1/24/2018	13:33:55	0.000	0.000	0.000
253	1/24/2018	13:34:55	0.000	0.000	0.000
254	1/24/2018	13:35:55	0.000	0.000	0.000
255	1/24/2018	13:36:55	0.000	0.000	0.000
256	1/24/2018	13:37:55	0.000	0.000	0.000
257	1/24/2018	13:38:55	0.000	0.000	0.000
258	1/24/2018	13:39:55	0.000	0.000	0.000
259	1/24/2018	13:40:55	0.000	0.000	0.000
260	1/24/2018	13:41:55	0.000	0.000	0.000
261	1/24/2018	13:42:55	0.000	0.000	0.000
262	1/24/2018	13:43:55	0.000	0.000	0.000
263	1/24/2018	13:44:55	0.000	0.000	0.000
264	1/24/2018	13:45:55	0.000	0.000	0.000
265	1/24/2018	13:46:55	0.000	0.000	0.000
266	1/24/2018	13:47:55	0.000	0.000	0.000
267	1/24/2018	13:48:55	0.000	0.000	0.000
268	1/24/2018	13:49:55	0.000	0.000	0.000
269	1/24/2018	13:50:55	0.000	0.000	0.000
270	1/24/2018	13:51:55	0.000	0.000	0.000
271	1/24/2018	13:52:55	0.000	0.000	0.000

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Pine_24759_20180226
272    1/24/2018 13:53:55    0.000    0.000    0.000
273    1/24/2018 13:54:55    0.000    0.000    0.000
274    1/24/2018 13:55:55    0.000    0.000    0.000
275    1/24/2018 13:56:55    0.000    0.000    0.000
276    1/24/2018 13:57:55    0.000    0.000    0.000
277    1/24/2018 13:58:55    0.000    0.000    0.000
278    1/24/2018 13:59:55    0.000    0.000    0.000
279    1/24/2018 14:00:55    0.000    0.000    0.000
280    1/24/2018 14:01:55    0.000    0.000    0.000
281    1/24/2018 14:02:55    0.000    0.000    0.000
282    1/24/2018 14:03:55    0.000    0.000    0.000
283    1/24/2018 14:04:55    0.000    0.000    0.000
284    1/24/2018 14:05:55    0.000    0.000    0.000
285    1/24/2018 14:06:55    0.000    0.000    0.000
286    1/24/2018 14:07:55    0.000    0.000    0.000
287    1/24/2018 14:08:55    0.000    0.000    0.000
288    1/24/2018 14:09:55    0.000    0.000    0.000
289    1/24/2018 14:10:55    0.000    0.000    0.000
290    1/24/2018 14:11:55    0.000    0.000    0.000
291    1/24/2018 14:12:55    0.000    0.000    0.000
292    1/24/2018 14:13:55    0.000    0.000    0.000
293    1/24/2018 14:14:55    0.000    0.000    0.000
294    1/24/2018 14:15:55    0.000    0.000    0.000
295    1/24/2018 14:16:55    0.000    0.000    0.000
296    1/24/2018 14:17:55    0.000    0.000    0.000
297    1/24/2018 14:18:55    0.000    0.000    0.000
298    1/24/2018 14:19:55    0.000    0.000    0.000
299    1/24/2018 14:20:55    0.000    0.000    0.000
300    1/24/2018 14:21:55    0.000    0.000    0.000
301    1/24/2018 14:22:55    0.000    0.000    0.000
302    1/24/2018 14:23:55    0.000    0.000    0.000
303    1/24/2018 14:24:55    0.000    0.000    0.000
304    1/24/2018 14:25:55    0.000    0.000    0.000
305    1/24/2018 14:26:55    0.000    0.000    0.000
306    1/24/2018 14:27:55    0.000    0.000    0.000
Peak          0.000    0.001    0.019
Min           0.000    0.000    0.000
Average       0.000    0.000    0.000

```

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=====
18/01/24 16:56

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Summary

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-----
Unit Name      MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver      V1.20
-----

```

Pine_24759_20180226

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

Site ID RAE00000
User ID 00000001

Begin 1/24/2018 16:56:42
End 1/24/2018 16:57:16
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06

Datalog

0 record.

=====
18/01/25 09:04

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000

User ID 00000001

```

-----
Begin   1/25/2018 09:04:56
End     1/25/2018 16:36:19
Sample Period(s)    60
Number of Records    451
-----

```

```

Sensor   VOC(ppm)
Span     100.000
Span 2   N/A
Low Alarm      50.000
High Alarm     100.000
Over Alarm     15000.000
STEL Alarm     25.000
TWA Alarm      10.000
Measurement Gas Isobutylene
Calibration Time      11/3/2017 08:06
Peak        N/A
Min         N/A
Average     N/A

```

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	1/25/2018 09:05:56	0.000	0.000	0.000	0.000
002	1/25/2018 09:06:56	0.000	0.000	0.000	0.000
003	1/25/2018 09:07:56	0.000	0.000	0.000	0.000
004	1/25/2018 09:08:56	0.000	0.000	0.000	0.000
005	1/25/2018 09:09:56	0.000	0.000	0.000	0.000
006	1/25/2018 09:10:56	0.000	0.000	0.000	0.000
007	1/25/2018 09:11:56	0.000	0.000	0.000	0.000
008	1/25/2018 09:12:56	0.000	0.000	0.000	0.000
009	1/25/2018 09:13:56	0.000	0.000	0.000	0.000
010	1/25/2018 09:14:56	0.000	0.000	0.000	0.000
011	1/25/2018 09:15:56	0.000	0.000	0.000	0.000
012	1/25/2018 09:16:56	0.000	0.000	0.000	0.000
013	1/25/2018 09:17:56	0.000	0.000	0.000	0.000
014	1/25/2018 09:18:56	0.000	0.000	0.000	0.000
015	1/25/2018 09:19:56	0.000	0.000	0.000	0.000
016	1/25/2018 09:20:56	0.000	0.000	0.000	0.000
017	1/25/2018 09:21:56	0.000	0.000	0.000	0.000
018	1/25/2018 09:22:56	0.000	0.000	0.000	0.000
019	1/25/2018 09:23:56	0.000	0.000	0.000	0.000
020	1/25/2018 09:24:56	0.000	0.000	0.000	0.000
021	1/25/2018 09:25:56	0.000	0.000	0.000	0.000
022	1/25/2018 09:26:56	0.000	0.000	0.000	0.000
023	1/25/2018 09:27:56	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
024	1/25/2018	09:28:56	0.000	0.000	0.000
025	1/25/2018	09:29:56	0.000	0.000	0.000
026	1/25/2018	09:30:56	0.000	0.000	0.000
027	1/25/2018	09:31:56	0.000	0.000	0.000
028	1/25/2018	09:32:56	0.000	0.000	0.000
029	1/25/2018	09:33:56	0.000	0.000	0.000
030	1/25/2018	09:34:56	0.000	0.000	0.000
031	1/25/2018	09:35:56	0.000	0.000	0.000
032	1/25/2018	09:36:56	0.000	0.000	0.000
033	1/25/2018	09:37:56	0.000	0.000	0.000
034	1/25/2018	09:38:56	0.000	0.000	0.009
035	1/25/2018	09:39:56	0.000	0.000	0.000
036	1/25/2018	09:40:56	0.000	0.000	0.000
037	1/25/2018	09:41:56	0.000	0.000	0.000
038	1/25/2018	09:42:56	0.000	0.000	0.000
039	1/25/2018	09:43:56	0.000	0.000	0.000
040	1/25/2018	09:44:56	0.000	0.000	0.000
041	1/25/2018	09:45:56	0.000	0.000	0.000
042	1/25/2018	09:46:56	0.000	0.000	0.000
043	1/25/2018	09:47:56	0.000	0.000	0.000
044	1/25/2018	09:48:56	0.000	0.000	0.000
045	1/25/2018	09:49:56	0.000	0.000	0.000
046	1/25/2018	09:50:56	0.000	0.000	0.000
047	1/25/2018	09:51:56	0.000	0.000	0.000
048	1/25/2018	09:52:56	0.000	0.000	0.000
049	1/25/2018	09:53:56	0.000	0.000	0.000
050	1/25/2018	09:54:56	0.000	0.000	0.000
051	1/25/2018	09:55:56	0.000	0.000	0.000
052	1/25/2018	09:56:56	0.000	0.000	0.000
053	1/25/2018	09:57:56	0.000	0.000	0.000
054	1/25/2018	09:58:56	0.000	0.000	0.000
055	1/25/2018	09:59:56	0.000	0.000	0.000
056	1/25/2018	10:00:56	0.000	0.000	0.000
057	1/25/2018	10:01:56	0.000	0.000	0.000
058	1/25/2018	10:02:56	0.000	0.000	0.000
059	1/25/2018	10:03:56	0.000	0.000	0.000
060	1/25/2018	10:04:56	0.000	0.000	0.000
061	1/25/2018	10:05:56	0.000	0.000	0.000
062	1/25/2018	10:06:56	0.000	0.000	0.000
063	1/25/2018	10:07:56	0.000	0.000	0.000
064	1/25/2018	10:08:56	0.000	0.000	0.000
065	1/25/2018	10:09:56	0.000	0.000	0.000
066	1/25/2018	10:10:56	0.000	0.000	0.000
067	1/25/2018	10:11:56	0.000	0.000	0.000
068	1/25/2018	10:12:56	0.000	0.000	0.000
069	1/25/2018	10:13:56	0.000	0.000	0.000
070	1/25/2018	10:14:56	0.000	0.000	0.000
071	1/25/2018	10:15:56	0.000	0.000	0.000

			Pine_24759_20180226		
072	1/25/2018	10:16:56	0.000	0.000	0.000
073	1/25/2018	10:17:56	0.000	0.000	0.000
074	1/25/2018	10:18:56	0.000	0.001	0.021
075	1/25/2018	10:19:56	0.000	0.000	0.000
076	1/25/2018	10:20:56	0.000	0.000	0.000
077	1/25/2018	10:21:56	0.000	0.000	0.000
078	1/25/2018	10:22:56	0.000	0.000	0.000
079	1/25/2018	10:23:56	0.000	0.000	0.000
080	1/25/2018	10:24:56	0.000	0.000	0.000
081	1/25/2018	10:25:56	0.000	0.000	0.000
082	1/25/2018	10:26:56	0.000	0.000	0.000
083	1/25/2018	10:27:56	0.000	0.000	0.000
084	1/25/2018	10:28:56	0.000	0.000	0.000
085	1/25/2018	10:29:56	0.000	0.000	0.000
086	1/25/2018	10:30:56	0.000	0.000	0.000
087	1/25/2018	10:31:56	0.000	0.000	0.000
088	1/25/2018	10:32:56	0.000	0.000	0.000
089	1/25/2018	10:33:56	0.000	0.000	0.000
090	1/25/2018	10:34:56	0.000	0.000	0.000
091	1/25/2018	10:35:56	0.000	0.000	0.000
092	1/25/2018	10:36:56	0.000	0.000	0.000
093	1/25/2018	10:37:56	0.000	0.000	0.000
094	1/25/2018	10:38:56	0.000	0.000	0.000
095	1/25/2018	10:39:56	0.000	0.000	0.000
096	1/25/2018	10:40:56	0.000	0.000	0.000
097	1/25/2018	10:41:56	0.000	0.000	0.000
098	1/25/2018	10:42:56	0.000	0.000	0.000
099	1/25/2018	10:43:56	0.000	0.000	0.000
100	1/25/2018	10:44:56	0.000	0.000	0.000
101	1/25/2018	10:45:56	0.000	0.000	0.000
102	1/25/2018	10:46:56	0.000	0.000	0.000
103	1/25/2018	10:47:56	0.000	0.000	0.000
104	1/25/2018	10:48:56	0.000	0.000	0.000
105	1/25/2018	10:49:56	0.000	0.000	0.003
106	1/25/2018	10:50:56	0.000	0.000	0.000
107	1/25/2018	10:51:56	0.000	0.000	0.000
108	1/25/2018	10:52:56	0.000	0.000	0.000
109	1/25/2018	10:53:56	0.000	0.000	0.000
110	1/25/2018	10:54:56	0.000	0.000	0.000
111	1/25/2018	10:55:56	0.000	0.000	0.000
112	1/25/2018	10:56:56	0.000	0.000	0.000
113	1/25/2018	10:57:56	0.000	0.000	0.000
114	1/25/2018	10:58:56	0.000	0.000	0.000
115	1/25/2018	10:59:56	0.000	0.000	0.000
116	1/25/2018	11:00:56	0.000	0.000	0.000
117	1/25/2018	11:01:56	0.000	0.000	0.000
118	1/25/2018	11:02:56	0.000	0.000	0.000
119	1/25/2018	11:03:56	0.000	0.000	0.000

			Pine_24759_20180226		
120	1/25/2018	11:04:56	0.000	0.000	0.000
121	1/25/2018	11:05:56	0.000	0.000	0.000
122	1/25/2018	11:06:56	0.000	0.000	0.000
123	1/25/2018	11:07:56	0.000	0.000	0.000
124	1/25/2018	11:08:56	0.000	0.000	0.000
125	1/25/2018	11:09:56	0.000	0.000	0.000
126	1/25/2018	11:10:56	0.000	0.000	0.000
127	1/25/2018	11:11:56	0.000	0.000	0.000
128	1/25/2018	11:12:56	0.000	0.000	0.000
129	1/25/2018	11:13:56	0.000	0.000	0.000
130	1/25/2018	11:14:56	0.000	0.000	0.000
131	1/25/2018	11:15:56	0.000	0.000	0.000
132	1/25/2018	11:16:56	0.000	0.000	0.000
133	1/25/2018	11:17:56	0.000	0.000	0.000
134	1/25/2018	11:18:56	0.000	0.000	0.000
135	1/25/2018	11:19:56	0.000	0.000	0.000
136	1/25/2018	11:20:56	0.000	0.000	0.010
137	1/25/2018	11:21:56	0.000	0.000	0.000
138	1/25/2018	11:22:56	0.000	0.000	0.000
139	1/25/2018	11:23:56	0.000	0.001	0.022
140	1/25/2018	11:24:56	0.000	0.000	0.000
141	1/25/2018	11:25:56	0.000	0.000	0.000
142	1/25/2018	11:26:56	0.000	0.000	0.000
143	1/25/2018	11:27:56	0.000	0.000	0.001
144	1/25/2018	11:28:56	0.000	0.000	0.000
145	1/25/2018	11:29:56	0.000	0.002	0.035
146	1/25/2018	11:30:56	0.000	0.000	0.004
147	1/25/2018	11:31:56	0.000	0.000	0.000
148	1/25/2018	11:32:56	0.000	0.000	0.004
149	1/25/2018	11:33:56	0.000	0.000	0.000
150	1/25/2018	11:34:56	0.000	0.002	0.034
151	1/25/2018	11:35:56	0.000	0.000	0.000
152	1/25/2018	11:36:56	0.000	0.000	0.000
153	1/25/2018	11:37:56	0.000	0.001	0.024
154	1/25/2018	11:38:56	0.000	0.000	0.000
155	1/25/2018	11:39:56	0.000	0.000	0.000
156	1/25/2018	11:40:56	0.000	0.001	0.022
157	1/25/2018	11:41:56	0.000	0.000	0.000
158	1/25/2018	11:42:56	0.000	0.000	0.000
159	1/25/2018	11:43:56	0.000	0.000	0.000
160	1/25/2018	11:44:56	0.000	0.000	0.000
161	1/25/2018	11:45:56	0.000	0.007	0.109
162	1/25/2018	11:46:56	0.000	0.000	0.000
163	1/25/2018	11:47:56	0.000	0.000	0.000
164	1/25/2018	11:48:56	0.000	0.000	0.000
165	1/25/2018	11:49:56	0.000	0.000	0.000
166	1/25/2018	11:50:56	0.000	0.000	0.000
167	1/25/2018	11:51:56	0.000	0.000	0.000

Pine_24759_20180226

168	1/25/2018	11:52:56	0.000	0.000	0.000
169	1/25/2018	11:53:56	0.000	0.000	0.000
170	1/25/2018	11:54:56	0.000	0.000	0.000
171	1/25/2018	11:55:56	0.000	0.000	0.000
172	1/25/2018	11:56:56	0.000	0.000	0.000
173	1/25/2018	11:57:56	0.000	0.000	0.000
174	1/25/2018	11:58:56	0.000	0.000	0.000
175	1/25/2018	11:59:56	0.000	0.000	0.000
176	1/25/2018	12:00:56	0.000	0.000	0.000
177	1/25/2018	12:01:56	0.000	0.000	0.000
178	1/25/2018	12:02:56	0.000	0.000	0.000
179	1/25/2018	12:03:56	0.000	0.000	0.000
180	1/25/2018	12:04:56	0.000	0.000	0.000
181	1/25/2018	12:05:56	0.000	0.000	0.000
182	1/25/2018	12:06:56	0.000	0.000	0.000
183	1/25/2018	12:07:56	0.000	0.000	0.000
184	1/25/2018	12:08:56	0.000	0.000	0.000
185	1/25/2018	12:09:56	0.000	0.000	0.000
186	1/25/2018	12:10:56	0.000	0.000	0.000
187	1/25/2018	12:11:56	0.000	0.000	0.000
188	1/25/2018	12:12:56	0.000	0.000	0.000
189	1/25/2018	12:13:56	0.000	0.000	0.000
190	1/25/2018	12:14:56	0.000	0.000	0.000
191	1/25/2018	12:15:56	0.000	0.000	0.000
192	1/25/2018	12:16:56	0.000	0.000	0.000
193	1/25/2018	12:17:56	0.000	0.000	0.000
194	1/25/2018	12:18:56	0.000	0.000	0.000
195	1/25/2018	12:19:56	0.000	0.000	0.000
196	1/25/2018	12:20:56	0.000	0.000	0.000
197	1/25/2018	12:21:56	0.000	0.000	0.000
198	1/25/2018	12:22:56	0.000	0.000	0.000
199	1/25/2018	12:23:56	0.000	0.000	0.000
200	1/25/2018	12:24:56	0.000	0.000	0.000
201	1/25/2018	12:25:56	0.000	0.000	0.000
202	1/25/2018	12:26:56	0.000	0.000	0.000
203	1/25/2018	12:27:56	0.000	0.000	0.000
204	1/25/2018	12:28:56	0.000	0.000	0.000
205	1/25/2018	12:29:56	0.000	0.000	0.000
206	1/25/2018	12:30:56	0.000	0.000	0.000
207	1/25/2018	12:31:56	0.000	0.000	0.000
208	1/25/2018	12:32:56	0.000	0.000	0.000
209	1/25/2018	12:33:56	0.000	0.000	0.000
210	1/25/2018	12:34:56	0.000	0.000	0.000
211	1/25/2018	12:35:56	0.000	0.000	0.000
212	1/25/2018	12:36:56	0.000	0.000	0.000
213	1/25/2018	12:37:56	0.000	0.000	0.000
214	1/25/2018	12:38:56	0.000	0.000	0.000
215	1/25/2018	12:39:56	0.000	0.000	0.000

			Pine_24759_20180226		
216	1/25/2018	12:40:56	0.000	0.000	0.000
217	1/25/2018	12:41:56	0.000	0.000	0.000
218	1/25/2018	12:42:56	0.000	0.000	0.000
219	1/25/2018	12:43:56	0.000	0.000	0.000
220	1/25/2018	12:44:56	0.000	0.000	0.000
221	1/25/2018	12:45:56	0.000	0.000	0.000
222	1/25/2018	12:46:56	0.000	0.000	0.000
223	1/25/2018	12:47:56	0.000	0.000	0.000
224	1/25/2018	12:48:56	0.000	0.000	0.000
225	1/25/2018	12:49:56	0.000	0.000	0.000
226	1/25/2018	12:50:56	0.000	0.000	0.000
227	1/25/2018	12:51:56	0.000	0.000	0.000
228	1/25/2018	12:52:56	0.000	0.000	0.000
229	1/25/2018	12:53:56	0.000	0.000	0.000
230	1/25/2018	12:54:56	0.000	0.000	0.000
231	1/25/2018	12:55:56	0.000	0.000	0.000
232	1/25/2018	12:56:56	0.000	0.000	0.000
233	1/25/2018	12:57:56	0.000	0.000	0.000
234	1/25/2018	12:58:56	0.000	0.000	0.000
235	1/25/2018	12:59:56	0.000	0.000	0.000
236	1/25/2018	13:00:56	0.000	0.000	0.000
237	1/25/2018	13:01:56	0.000	0.000	0.000
238	1/25/2018	13:02:56	0.000	0.000	0.000
239	1/25/2018	13:03:56	0.000	0.000	0.000
240	1/25/2018	13:04:56	0.000	0.000	0.000
241	1/25/2018	13:05:56	0.000	0.000	0.000
242	1/25/2018	13:06:56	0.000	0.000	0.000
243	1/25/2018	13:07:56	0.000	0.000	0.000
244	1/25/2018	13:08:56	0.000	0.000	0.000
245	1/25/2018	13:09:56	0.000	0.000	0.000
246	1/25/2018	13:10:56	0.000	0.000	0.000
247	1/25/2018	13:11:56	0.000	0.000	0.000
248	1/25/2018	13:12:56	0.000	0.000	0.000
249	1/25/2018	13:13:56	0.000	0.000	0.000
250	1/25/2018	13:14:56	0.000	0.000	0.000
251	1/25/2018	13:15:56	0.000	0.000	0.000
252	1/25/2018	13:16:56	0.000	0.000	0.000
253	1/25/2018	13:17:56	0.000	0.000	0.000
254	1/25/2018	13:18:56	0.000	0.000	0.000
255	1/25/2018	13:19:56	0.000	0.000	0.000
256	1/25/2018	13:20:56	0.000	0.000	0.000
257	1/25/2018	13:21:56	0.000	0.000	0.000
258	1/25/2018	13:22:56	0.000	0.000	0.000
259	1/25/2018	13:23:56	0.000	0.001	0.030
260	1/25/2018	13:24:56	0.000	0.000	0.000
261	1/25/2018	13:25:56	0.000	0.000	0.000
262	1/25/2018	13:26:56	0.000	0.000	0.000
263	1/25/2018	13:27:56	0.000	0.000	0.000

			Pine_24759_20180226		
264	1/25/2018	13:28:56	0.000	0.000	0.000
265	1/25/2018	13:29:56	0.000	0.000	0.000
266	1/25/2018	13:30:56	0.000	0.000	0.000
267	1/25/2018	13:31:56	0.000	0.000	0.000
268	1/25/2018	13:32:56	0.000	0.000	0.000
269	1/25/2018	13:33:56	0.000	0.000	0.000
270	1/25/2018	13:34:56	0.000	0.000	0.000
271	1/25/2018	13:35:56	0.000	0.000	0.000
272	1/25/2018	13:36:56	0.000	0.000	0.000
273	1/25/2018	13:37:56	0.000	0.000	0.000
274	1/25/2018	13:38:56	0.000	0.000	0.000
275	1/25/2018	13:39:56	0.000	0.000	0.000
276	1/25/2018	13:40:56	0.000	0.000	0.000
277	1/25/2018	13:41:56	0.000	0.000	0.000
278	1/25/2018	13:42:56	0.000	0.000	0.000
279	1/25/2018	13:43:56	0.000	0.000	0.000
280	1/25/2018	13:44:56	0.000	0.002	0.069
281	1/25/2018	13:45:56	0.000	0.003	0.072
282	1/25/2018	13:46:56	0.000	0.000	0.009
283	1/25/2018	13:47:56	0.000	0.000	0.012
284	1/25/2018	13:48:56	0.000	0.000	0.000
285	1/25/2018	13:49:56	0.000	0.000	0.000
286	1/25/2018	13:50:56	0.000	0.000	0.012
287	1/25/2018	13:51:56	0.000	0.000	0.000
288	1/25/2018	13:52:56	0.000	0.000	0.000
289	1/25/2018	13:53:56	0.000	0.003	0.059
290	1/25/2018	13:54:56	0.000	0.006	0.079
291	1/25/2018	13:55:56	0.000	0.000	0.000
292	1/25/2018	13:56:56	0.000	0.000	0.000
293	1/25/2018	13:57:56	0.000	0.000	0.001
294	1/25/2018	13:58:56	0.000	0.000	0.000
295	1/25/2018	13:59:56	0.000	0.005	0.065
296	1/25/2018	14:00:56	0.000	0.000	0.000
297	1/25/2018	14:01:56	0.000	0.010	0.096
298	1/25/2018	14:02:56	0.000	0.000	0.000
299	1/25/2018	14:03:56	0.000	0.000	0.000
300	1/25/2018	14:04:56	0.000	0.001	0.015
301	1/25/2018	14:05:56	0.000	0.000	0.000
302	1/25/2018	14:06:56	0.000	0.001	0.025
303	1/25/2018	14:07:56	0.000	0.000	0.024
304	1/25/2018	14:08:56	0.000	0.001	0.029
305	1/25/2018	14:09:56	0.000	0.006	0.064
306	1/25/2018	14:10:56	0.000	0.000	0.011
307	1/25/2018	14:11:56	0.000	0.000	0.000
308	1/25/2018	14:12:56	0.000	0.000	0.000
309	1/25/2018	14:13:56	0.000	0.005	0.082
310	1/25/2018	14:14:56	0.000	0.001	0.031
311	1/25/2018	14:15:56	0.000	0.011	0.097

			Pine_24759_20180226		
312	1/25/2018	14:16:56	0.000	0.000	0.000
313	1/25/2018	14:17:56	0.000	0.002	0.031
314	1/25/2018	14:18:56	0.000	0.009	0.086
315	1/25/2018	14:19:56	0.000	0.001	0.021
316	1/25/2018	14:20:56	0.000	0.000	0.000
317	1/25/2018	14:21:56	0.000	0.000	0.000
318	1/25/2018	14:22:56	0.000	0.000	0.000
319	1/25/2018	14:23:56	0.000	0.000	0.000
320	1/25/2018	14:24:56	0.000	0.000	0.000
321	1/25/2018	14:25:56	0.000	0.000	0.000
322	1/25/2018	14:26:56	0.000	0.006	0.070
323	1/25/2018	14:27:56	0.000	0.000	0.010
324	1/25/2018	14:28:56	0.000	0.000	0.000
325	1/25/2018	14:29:56	0.000	0.011	0.167
326	1/25/2018	14:30:56	0.000	0.000	0.000
327	1/25/2018	14:31:56	0.000	0.006	0.077
328	1/25/2018	14:32:56	0.000	0.014	0.081
329	1/25/2018	14:33:56	0.000	0.000	0.017
330	1/25/2018	14:34:56	0.000	0.000	0.017
331	1/25/2018	14:35:56	0.000	0.000	0.000
332	1/25/2018	14:36:56	0.000	0.000	0.000
333	1/25/2018	14:37:56	0.000	0.000	0.000
334	1/25/2018	14:38:56	0.000	0.000	0.000
335	1/25/2018	14:39:56	0.000	0.000	0.000
336	1/25/2018	14:40:56	0.000	0.000	0.000
337	1/25/2018	14:41:56	0.000	0.002	0.031
338	1/25/2018	14:42:56	0.000	0.000	0.000
339	1/25/2018	14:43:56	0.000	0.000	0.000
340	1/25/2018	14:44:56	0.000	0.000	0.000
341	1/25/2018	14:45:56	0.000	0.000	0.000
342	1/25/2018	14:46:56	0.000	0.000	0.000
343	1/25/2018	14:47:56	0.000	0.000	0.000
344	1/25/2018	14:48:56	0.000	0.000	0.000
345	1/25/2018	14:49:56	0.000	0.000	0.000
346	1/25/2018	14:50:56	0.000	0.000	0.000
347	1/25/2018	14:51:56	0.000	0.000	0.000
348	1/25/2018	14:52:56	0.000	0.000	0.000
349	1/25/2018	14:53:56	0.000	0.000	0.000
350	1/25/2018	14:54:56	0.000	0.000	0.000
351	1/25/2018	14:55:56	0.000	0.000	0.000
352	1/25/2018	14:56:56	0.000	0.000	0.000
353	1/25/2018	14:57:56	0.000	0.000	0.000
354	1/25/2018	14:58:56	0.000	0.000	0.000
355	1/25/2018	14:59:56	0.000	0.000	0.000
356	1/25/2018	15:00:56	0.000	0.000	0.000
357	1/25/2018	15:01:56	0.000	0.000	0.000
358	1/25/2018	15:02:56	0.000	0.000	0.000
359	1/25/2018	15:03:56	0.000	0.000	0.000

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360	1/25/2018	15:04:56	0.000	0.011	0.072
361	1/25/2018	15:05:56	0.000	0.000	0.000
362	1/25/2018	15:06:56	0.000	0.000	0.000
363	1/25/2018	15:07:56	0.000	0.000	0.000
364	1/25/2018	15:08:56	0.000	0.000	0.000
365	1/25/2018	15:09:56	0.000	0.000	0.000
366	1/25/2018	15:10:56	0.000	0.000	0.000
367	1/25/2018	15:11:56	0.000	0.000	0.000
368	1/25/2018	15:12:56	0.000	0.000	0.000
369	1/25/2018	15:13:56	0.000	0.000	0.000
370	1/25/2018	15:14:56	0.000	0.000	0.000
371	1/25/2018	15:15:56	0.000	0.000	0.000
372	1/25/2018	15:16:56	0.000	0.000	0.000
373	1/25/2018	15:17:56	0.000	0.000	0.000
374	1/25/2018	15:18:56	0.000	0.000	0.000
375	1/25/2018	15:19:56	0.000	0.000	0.000
376	1/25/2018	15:20:56	0.000	0.000	0.000
377	1/25/2018	15:21:56	0.000	0.000	0.000
378	1/25/2018	15:22:56	0.000	0.000	0.000
379	1/25/2018	15:23:56	0.000	0.000	0.000
380	1/25/2018	15:24:56	0.000	0.000	0.000
381	1/25/2018	15:25:56	0.000	0.000	0.000
382	1/25/2018	15:26:56	0.000	0.000	0.000
383	1/25/2018	15:27:56	0.000	0.000	0.000
384	1/25/2018	15:28:56	0.000	0.000	0.000
385	1/25/2018	15:29:56	0.000	0.000	0.000
386	1/25/2018	15:30:56	0.000	0.000	0.000
387	1/25/2018	15:31:56	0.000	0.000	0.000
388	1/25/2018	15:32:56	0.000	0.000	0.000
389	1/25/2018	15:33:56	0.000	0.000	0.000
390	1/25/2018	15:34:56	0.000	0.000	0.000
391	1/25/2018	15:35:56	0.000	0.000	0.000
392	1/25/2018	15:36:56	0.000	0.000	0.000
393	1/25/2018	15:37:56	0.000	0.000	0.000
394	1/25/2018	15:38:56	0.000	0.000	0.000
395	1/25/2018	15:39:56	0.000	0.000	0.000
396	1/25/2018	15:40:56	0.000	0.000	0.000
397	1/25/2018	15:41:56	0.000	0.000	0.000
398	1/25/2018	15:42:56	0.000	0.000	0.000
399	1/25/2018	15:43:56	0.000	0.000	0.000
400	1/25/2018	15:44:56	0.000	0.000	0.000
401	1/25/2018	15:45:56	0.000	0.000	0.000
402	1/25/2018	15:46:56	0.000	0.000	0.000
403	1/25/2018	15:47:56	0.000	0.000	0.000
404	1/25/2018	15:48:56	0.000	0.000	0.000
405	1/25/2018	15:49:56	0.000	0.000	0.000
406	1/25/2018	15:50:56	0.000	0.000	0.000
407	1/25/2018	15:51:56	0.000	0.000	0.000

			Pine_24759_20180226		
408	1/25/2018	15:52:56	0.000	0.000	0.000
409	1/25/2018	15:53:56	0.000	0.000	0.000
410	1/25/2018	15:54:56	0.000	0.000	0.000
411	1/25/2018	15:55:56	0.000	0.000	0.000
412	1/25/2018	15:56:56	0.000	0.000	0.000
413	1/25/2018	15:57:56	0.000	0.000	0.000
414	1/25/2018	15:58:56	0.000	0.000	0.000
415	1/25/2018	15:59:56	0.000	0.000	0.000
416	1/25/2018	16:00:56	0.000	0.000	0.000
417	1/25/2018	16:01:56	0.000	0.000	0.000
418	1/25/2018	16:02:56	0.000	0.000	0.000
419	1/25/2018	16:03:56	0.000	0.000	0.000
420	1/25/2018	16:04:56	0.000	0.000	0.000
421	1/25/2018	16:05:56	0.000	0.000	0.000
422	1/25/2018	16:06:56	0.000	0.000	0.000
423	1/25/2018	16:07:56	0.000	0.000	0.000
424	1/25/2018	16:08:56	0.000	0.000	0.000
425	1/25/2018	16:09:56	0.000	0.000	0.000
426	1/25/2018	16:10:56	0.000	0.000	0.000
427	1/25/2018	16:11:56	0.000	0.000	0.000
428	1/25/2018	16:12:56	0.000	0.000	0.000
429	1/25/2018	16:13:56	0.000	0.000	0.000
430	1/25/2018	16:14:56	0.000	0.000	0.000
431	1/25/2018	16:15:56	0.000	0.000	0.000
432	1/25/2018	16:16:56	0.000	0.000	0.000
433	1/25/2018	16:17:56	0.000	0.000	0.000
434	1/25/2018	16:18:56	0.000	0.000	0.000
435	1/25/2018	16:19:56	0.000	0.000	0.000
436	1/25/2018	16:20:56	0.000	0.000	0.000
437	1/25/2018	16:21:56	0.000	0.000	0.000
438	1/25/2018	16:22:56	0.000	0.000	0.000
439	1/25/2018	16:23:56	0.000	0.000	0.000
440	1/25/2018	16:24:56	0.000	0.000	0.000
441	1/25/2018	16:25:56	0.000	0.000	0.000
442	1/25/2018	16:26:56	0.000	0.000	0.000
443	1/25/2018	16:27:56	0.000	0.000	0.000
444	1/25/2018	16:28:56	0.000	0.000	0.000
445	1/25/2018	16:29:56	0.000	0.000	0.000
446	1/25/2018	16:30:56	0.000	0.000	0.000
447	1/25/2018	16:31:56	0.000	0.000	0.000
448	1/25/2018	16:32:56	0.000	0.000	0.000
449	1/25/2018	16:33:56	0.000	0.000	0.000
450	1/25/2018	16:34:56	0.000	0.000	0.000
451	1/25/2018	16:35:56	0.000	0.000	0.000
Peak		0.000 0.014	0.167		
Min		0.000 0.000	0.000		
Average		0.000 0.000	0.004		

18/01/26 09:49

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin 1/26/2018 09:49:03
End 1/26/2018 15:04:52
Sample Period(s) 60
Number of Records 315

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	1/26/2018 09:50:03	0.000	0.000	0.000
002	1/26/2018 09:51:03	0.000	0.000	0.000
003	1/26/2018 09:52:03	0.000	0.000	0.000
004	1/26/2018 09:53:03	0.000	0.000	0.000
005	1/26/2018 09:54:03	0.000	0.000	0.000
006	1/26/2018 09:55:03	0.000	0.000	0.000

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007	1/26/2018	09:56:03	0.000	0.000	0.000
008	1/26/2018	09:57:03	0.000	0.000	0.000
009	1/26/2018	09:58:03	0.000	0.000	0.000
010	1/26/2018	09:59:03	0.000	0.000	0.000
011	1/26/2018	10:00:03	0.000	0.000	0.000
012	1/26/2018	10:01:03	0.000	0.000	0.000
013	1/26/2018	10:02:03	0.000	0.000	0.000
014	1/26/2018	10:03:03	0.000	0.000	0.000
015	1/26/2018	10:04:03	0.000	0.000	0.000
016	1/26/2018	10:05:03	0.000	0.000	0.000
017	1/26/2018	10:06:03	0.000	0.000	0.000
018	1/26/2018	10:07:03	0.000	0.000	0.000
019	1/26/2018	10:08:03	0.000	0.000	0.000
020	1/26/2018	10:09:03	0.000	0.000	0.000
021	1/26/2018	10:10:03	0.000	0.000	0.000
022	1/26/2018	10:11:03	0.000	0.000	0.000
023	1/26/2018	10:12:03	0.000	0.000	0.000
024	1/26/2018	10:13:03	0.000	0.000	0.000
025	1/26/2018	10:14:03	0.000	0.000	0.000
026	1/26/2018	10:15:03	0.000	0.000	0.000
027	1/26/2018	10:16:03	0.000	0.000	0.000
028	1/26/2018	10:17:03	0.000	0.000	0.000
029	1/26/2018	10:18:03	0.000	0.000	0.000
030	1/26/2018	10:19:03	0.000	0.000	0.000
031	1/26/2018	10:20:03	0.000	0.000	0.000
032	1/26/2018	10:21:03	0.000	0.000	0.000
033	1/26/2018	10:22:03	0.000	0.000	0.000
034	1/26/2018	10:23:03	0.000	0.000	0.000
035	1/26/2018	10:24:03	0.000	0.000	0.000
036	1/26/2018	10:25:03	0.000	0.000	0.000
037	1/26/2018	10:26:03	0.000	0.000	0.000
038	1/26/2018	10:27:03	0.000	0.000	0.000
039	1/26/2018	10:28:03	0.000	0.000	0.000
040	1/26/2018	10:29:03	0.000	0.000	0.000
041	1/26/2018	10:30:03	0.000	0.000	0.000
042	1/26/2018	10:31:03	0.000	0.000	0.000
043	1/26/2018	10:32:03	0.000	0.000	0.000
044	1/26/2018	10:33:03	0.000	0.000	0.000
045	1/26/2018	10:34:03	0.000	0.000	0.000
046	1/26/2018	10:35:03	0.000	0.000	0.000
047	1/26/2018	10:36:03	0.000	0.000	0.000
048	1/26/2018	10:37:03	0.000	0.000	0.000
049	1/26/2018	10:38:03	0.000	0.000	0.000
050	1/26/2018	10:39:03	0.000	0.000	0.000
051	1/26/2018	10:40:03	0.000	0.000	0.000
052	1/26/2018	10:41:03	0.000	0.000	0.000
053	1/26/2018	10:42:03	0.000	0.000	0.000
054	1/26/2018	10:43:03	0.000	0.000	0.000

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055	1/26/2018	10:44:03	0.000	0.000	0.000
056	1/26/2018	10:45:03	0.000	0.000	0.000
057	1/26/2018	10:46:03	0.000	0.000	0.000
058	1/26/2018	10:47:03	0.000	0.000	0.000
059	1/26/2018	10:48:03	0.000	0.000	0.000
060	1/26/2018	10:49:03	0.000	0.000	0.000
061	1/26/2018	10:50:03	0.000	0.000	0.000
062	1/26/2018	10:51:03	0.000	0.000	0.000
063	1/26/2018	10:52:03	0.000	0.000	0.000
064	1/26/2018	10:53:03	0.000	0.000	0.000
065	1/26/2018	10:54:03	0.000	0.000	0.000
066	1/26/2018	10:55:03	0.000	0.000	0.000
067	1/26/2018	10:56:03	0.000	0.000	0.000
068	1/26/2018	10:57:03	0.000	0.000	0.000
069	1/26/2018	10:58:03	0.000	0.000	0.000
070	1/26/2018	10:59:03	0.000	0.000	0.000
071	1/26/2018	11:00:03	0.000	0.000	0.000
072	1/26/2018	11:01:03	0.000	0.000	0.000
073	1/26/2018	11:02:03	0.000	0.000	0.000
074	1/26/2018	11:03:03	0.000	0.000	0.000
075	1/26/2018	11:04:03	0.000	0.000	0.000
076	1/26/2018	11:05:03	0.000	0.000	0.000
077	1/26/2018	11:06:03	0.000	0.000	0.000
078	1/26/2018	11:07:03	0.000	0.000	0.000
079	1/26/2018	11:08:03	0.000	0.000	0.000
080	1/26/2018	11:09:03	0.000	0.000	0.000
081	1/26/2018	11:10:03	0.000	0.000	0.000
082	1/26/2018	11:11:03	0.000	0.000	0.000
083	1/26/2018	11:12:03	0.000	0.000	0.000
084	1/26/2018	11:13:03	0.000	0.000	0.000
085	1/26/2018	11:14:03	0.000	0.000	0.000
086	1/26/2018	11:15:03	0.000	0.000	0.000
087	1/26/2018	11:16:03	0.000	0.000	0.000
088	1/26/2018	11:17:03	0.000	0.000	0.000
089	1/26/2018	11:18:03	0.000	0.000	0.000
090	1/26/2018	11:19:03	0.000	0.000	0.000
091	1/26/2018	11:20:03	0.000	0.000	0.000
092	1/26/2018	11:21:03	0.000	0.000	0.000
093	1/26/2018	11:22:03	0.000	0.000	0.000
094	1/26/2018	11:23:03	0.000	0.000	0.000
095	1/26/2018	11:24:03	0.000	0.000	0.000
096	1/26/2018	11:25:03	0.000	0.000	0.000
097	1/26/2018	11:26:03	0.000	0.000	0.000
098	1/26/2018	11:27:03	0.000	0.000	0.000
099	1/26/2018	11:28:03	0.000	0.000	0.000
100	1/26/2018	11:29:03	0.000	0.000	0.000
101	1/26/2018	11:30:03	0.000	0.000	0.000
102	1/26/2018	11:31:03	0.000	0.000	0.000

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103	1/26/2018	11:32:03	0.000	0.000	0.000
104	1/26/2018	11:33:03	0.000	0.000	0.000
105	1/26/2018	11:34:03	0.000	0.000	0.000
106	1/26/2018	11:35:03	0.000	0.000	0.000
107	1/26/2018	11:36:03	0.000	0.000	0.000
108	1/26/2018	11:37:03	0.000	0.000	0.000
109	1/26/2018	11:38:03	0.000	0.000	0.000
110	1/26/2018	11:39:03	0.000	0.000	0.000
111	1/26/2018	11:40:03	0.000	0.000	0.000
112	1/26/2018	11:41:03	0.000	0.000	0.000
113	1/26/2018	11:42:03	0.000	0.000	0.000
114	1/26/2018	11:43:03	0.000	0.000	0.000
115	1/26/2018	11:44:03	0.000	0.000	0.000
116	1/26/2018	11:45:03	0.000	0.000	0.000
117	1/26/2018	11:46:03	0.000	0.000	0.000
118	1/26/2018	11:47:03	0.000	0.000	0.000
119	1/26/2018	11:48:03	0.000	0.000	0.000
120	1/26/2018	11:49:03	0.000	0.000	0.000
121	1/26/2018	11:50:03	0.000	0.000	0.000
122	1/26/2018	11:51:03	0.000	0.000	0.000
123	1/26/2018	11:52:03	0.000	0.000	0.000
124	1/26/2018	11:53:03	0.000	0.000	0.000
125	1/26/2018	11:54:03	0.000	0.000	0.000
126	1/26/2018	11:55:03	0.000	0.000	0.000
127	1/26/2018	11:56:03	0.000	0.000	0.000
128	1/26/2018	11:57:03	0.000	0.000	0.000
129	1/26/2018	11:58:03	0.000	0.000	0.000
130	1/26/2018	11:59:03	0.000	0.000	0.000
131	1/26/2018	12:00:03	0.000	0.000	0.000
132	1/26/2018	12:01:03	0.000	0.000	0.000
133	1/26/2018	12:02:03	0.000	0.000	0.000
134	1/26/2018	12:03:03	0.000	0.000	0.000
135	1/26/2018	12:04:03	0.000	0.000	0.000
136	1/26/2018	12:05:03	0.000	0.000	0.000
137	1/26/2018	12:06:03	0.000	0.000	0.000
138	1/26/2018	12:07:03	0.000	0.000	0.000
139	1/26/2018	12:08:03	0.000	0.000	0.000
140	1/26/2018	12:09:03	0.000	0.000	0.000
141	1/26/2018	12:10:03	0.000	0.000	0.000
142	1/26/2018	12:11:03	0.000	0.000	0.000
143	1/26/2018	12:12:03	0.000	0.000	0.000
144	1/26/2018	12:13:03	0.000	0.000	0.000
145	1/26/2018	12:14:03	0.000	0.000	0.000
146	1/26/2018	12:15:03	0.000	0.000	0.000
147	1/26/2018	12:16:03	0.000	0.000	0.000
148	1/26/2018	12:17:03	0.000	0.000	0.000
149	1/26/2018	12:18:03	0.000	0.000	0.000
150	1/26/2018	12:19:03	0.000	0.000	0.000

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151	1/26/2018	12:20:03	0.000	0.000	0.000
152	1/26/2018	12:21:03	0.000	0.000	0.000
153	1/26/2018	12:22:03	0.000	0.000	0.000
154	1/26/2018	12:23:03	0.000	0.000	0.000
155	1/26/2018	12:24:03	0.000	0.000	0.000
156	1/26/2018	12:25:03	0.000	0.000	0.000
157	1/26/2018	12:26:03	0.000	0.000	0.000
158	1/26/2018	12:27:03	0.000	0.000	0.000
159	1/26/2018	12:28:03	0.000	0.000	0.000
160	1/26/2018	12:29:03	0.000	0.000	0.000
161	1/26/2018	12:30:03	0.000	0.000	0.000
162	1/26/2018	12:31:03	0.000	0.000	0.000
163	1/26/2018	12:32:03	0.000	0.000	0.000
164	1/26/2018	12:33:03	0.000	0.000	0.000
165	1/26/2018	12:34:03	0.000	0.000	0.000
166	1/26/2018	12:35:03	0.000	0.000	0.000
167	1/26/2018	12:36:03	0.000	0.000	0.000
168	1/26/2018	12:37:03	0.000	0.000	0.000
169	1/26/2018	12:38:03	0.000	0.000	0.000
170	1/26/2018	12:39:03	0.000	0.000	0.000
171	1/26/2018	12:40:03	0.000	0.000	0.000
172	1/26/2018	12:41:03	0.000	0.000	0.000
173	1/26/2018	12:42:03	0.000	0.000	0.000
174	1/26/2018	12:43:03	0.000	0.000	0.000
175	1/26/2018	12:44:03	0.000	0.000	0.000
176	1/26/2018	12:45:03	0.000	0.000	0.000
177	1/26/2018	12:46:03	0.000	0.000	0.000
178	1/26/2018	12:47:03	0.000	0.000	0.000
179	1/26/2018	12:48:03	0.000	0.000	0.000
180	1/26/2018	12:49:03	0.000	0.000	0.000
181	1/26/2018	12:50:03	0.000	0.000	0.000
182	1/26/2018	12:51:03	0.000	0.000	0.000
183	1/26/2018	12:52:03	0.000	0.000	0.000
184	1/26/2018	12:53:03	0.000	0.000	0.000
185	1/26/2018	12:54:03	0.000	0.000	0.000
186	1/26/2018	12:55:03	0.000	0.000	0.000
187	1/26/2018	12:56:03	0.000	0.000	0.000
188	1/26/2018	12:57:03	0.000	0.000	0.000
189	1/26/2018	12:58:03	0.000	0.000	0.000
190	1/26/2018	12:59:03	0.000	0.000	0.000
191	1/26/2018	13:00:03	0.000	0.000	0.000
192	1/26/2018	13:01:03	0.000	0.000	0.000
193	1/26/2018	13:02:03	0.000	0.000	0.000
194	1/26/2018	13:03:03	0.000	0.000	0.000
195	1/26/2018	13:04:03	0.000	0.000	0.000
196	1/26/2018	13:05:03	0.000	0.000	0.000
197	1/26/2018	13:06:03	0.000	0.000	0.000
198	1/26/2018	13:07:03	0.000	0.000	0.000

			Pine_24759_20180226		
199	1/26/2018	13:08:03	0.000	0.000	0.000
200	1/26/2018	13:09:03	0.000	0.000	0.000
201	1/26/2018	13:10:03	0.000	0.000	0.000
202	1/26/2018	13:11:03	0.000	0.000	0.000
203	1/26/2018	13:12:03	0.000	0.000	0.000
204	1/26/2018	13:13:03	0.000	0.000	0.000
205	1/26/2018	13:14:03	0.000	0.000	0.000
206	1/26/2018	13:15:03	0.000	0.000	0.000
207	1/26/2018	13:16:03	0.000	0.000	0.000
208	1/26/2018	13:17:03	0.000	0.000	0.000
209	1/26/2018	13:18:03	0.000	0.000	0.000
210	1/26/2018	13:19:03	0.000	0.000	0.000
211	1/26/2018	13:20:03	0.000	0.000	0.000
212	1/26/2018	13:21:03	0.000	0.000	0.000
213	1/26/2018	13:22:03	0.000	0.000	0.000
214	1/26/2018	13:23:03	0.000	0.000	0.000
215	1/26/2018	13:24:03	0.000	0.000	0.000
216	1/26/2018	13:25:03	0.000	0.000	0.000
217	1/26/2018	13:26:03	0.000	0.000	0.000
218	1/26/2018	13:27:03	0.000	0.000	0.000
219	1/26/2018	13:28:03	0.000	0.000	0.000
220	1/26/2018	13:29:03	0.000	0.000	0.000
221	1/26/2018	13:30:03	0.000	0.000	0.000
222	1/26/2018	13:31:03	0.000	0.000	0.000
223	1/26/2018	13:32:03	0.000	0.000	0.000
224	1/26/2018	13:33:03	0.000	0.000	0.000
225	1/26/2018	13:34:03	0.000	0.000	0.000
226	1/26/2018	13:35:03	0.000	0.000	0.000
227	1/26/2018	13:36:03	0.000	0.000	0.000
228	1/26/2018	13:37:03	0.000	0.000	0.000
229	1/26/2018	13:38:03	0.000	0.000	0.000
230	1/26/2018	13:39:03	0.000	0.000	0.000
231	1/26/2018	13:40:03	0.000	0.000	0.000
232	1/26/2018	13:41:03	0.000	0.000	0.000
233	1/26/2018	13:42:03	0.000	0.000	0.000
234	1/26/2018	13:43:03	0.000	0.000	0.000
235	1/26/2018	13:44:03	0.000	0.000	0.000
236	1/26/2018	13:45:03	0.000	0.000	0.000
237	1/26/2018	13:46:03	0.000	0.000	0.000
238	1/26/2018	13:47:03	0.000	0.000	0.000
239	1/26/2018	13:48:03	0.000	0.000	0.000
240	1/26/2018	13:49:03	0.000	0.000	0.000
241	1/26/2018	13:50:03	0.000	0.000	0.000
242	1/26/2018	13:51:03	0.000	0.000	0.000
243	1/26/2018	13:52:03	0.000	0.000	0.000
244	1/26/2018	13:53:03	0.000	0.000	0.000
245	1/26/2018	13:54:03	0.000	0.000	0.000
246	1/26/2018	13:55:03	0.000	0.000	0.000

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247	1/26/2018	13:56:03	0.000	0.000	0.000
248	1/26/2018	13:57:03	0.000	0.000	0.000
249	1/26/2018	13:58:03	0.000	0.000	0.000
250	1/26/2018	13:59:03	0.000	0.000	0.000
251	1/26/2018	14:00:03	0.000	0.000	0.000
252	1/26/2018	14:01:03	0.000	0.000	0.000
253	1/26/2018	14:02:03	0.000	0.000	0.000
254	1/26/2018	14:03:03	0.000	0.000	0.000
255	1/26/2018	14:04:03	0.000	0.000	0.000
256	1/26/2018	14:05:03	0.000	0.000	0.000
257	1/26/2018	14:06:03	0.000	0.000	0.000
258	1/26/2018	14:07:03	0.000	0.000	0.000
259	1/26/2018	14:08:03	0.000	0.000	0.000
260	1/26/2018	14:09:03	0.000	0.000	0.000
261	1/26/2018	14:10:03	0.000	0.000	0.000
262	1/26/2018	14:11:03	0.000	0.000	0.000
263	1/26/2018	14:12:03	0.000	0.000	0.000
264	1/26/2018	14:13:03	0.000	0.000	0.000
265	1/26/2018	14:14:03	0.000	0.000	0.000
266	1/26/2018	14:15:03	0.000	0.000	0.000
267	1/26/2018	14:16:03	0.000	0.000	0.000
268	1/26/2018	14:17:03	0.000	0.000	0.000
269	1/26/2018	14:18:03	0.000	0.000	0.000
270	1/26/2018	14:19:03	0.000	0.000	0.000
271	1/26/2018	14:20:03	0.000	0.000	0.000
272	1/26/2018	14:21:03	0.000	0.000	0.000
273	1/26/2018	14:22:03	0.000	0.000	0.000
274	1/26/2018	14:23:03	0.000	0.000	0.000
275	1/26/2018	14:24:03	0.000	0.000	0.000
276	1/26/2018	14:25:03	0.000	0.000	0.000
277	1/26/2018	14:26:03	0.000	0.000	0.000
278	1/26/2018	14:27:03	0.000	0.000	0.000
279	1/26/2018	14:28:03	0.000	0.000	0.000
280	1/26/2018	14:29:03	0.000	0.000	0.000
281	1/26/2018	14:30:03	0.000	0.000	0.000
282	1/26/2018	14:31:03	0.000	0.000	0.000
283	1/26/2018	14:32:03	0.000	0.000	0.000
284	1/26/2018	14:33:03	0.000	0.000	0.000
285	1/26/2018	14:34:03	0.000	0.000	0.000
286	1/26/2018	14:35:03	0.000	0.000	0.000
287	1/26/2018	14:36:03	0.000	0.000	0.000
288	1/26/2018	14:37:03	0.000	0.000	0.000
289	1/26/2018	14:38:03	0.000	0.000	0.000
290	1/26/2018	14:39:03	0.000	0.000	0.000
291	1/26/2018	14:40:03	0.000	0.000	0.000
292	1/26/2018	14:41:03	0.000	0.000	0.000
293	1/26/2018	14:42:03	0.000	0.000	0.000
294	1/26/2018	14:43:03	0.000	0.000	0.000

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295	1/26/2018	14:44:03	0.000	0.000	0.000
296	1/26/2018	14:45:03	0.000	0.000	0.000
297	1/26/2018	14:46:03	0.000	0.000	0.000
298	1/26/2018	14:47:03	0.000	0.000	0.000
299	1/26/2018	14:48:03	0.000	0.000	0.000
300	1/26/2018	14:49:03	0.000	0.000	0.000
301	1/26/2018	14:50:03	0.000	0.000	0.000
302	1/26/2018	14:51:03	0.000	0.000	0.000
303	1/26/2018	14:52:03	0.000	0.000	0.000
304	1/26/2018	14:53:03	0.000	0.000	0.000
305	1/26/2018	14:54:03	0.000	0.000	0.000
306	1/26/2018	14:55:03	0.000	0.000	0.000
307	1/26/2018	14:56:03	0.000	0.000	0.000
308	1/26/2018	14:57:03	0.000	0.000	0.000
309	1/26/2018	14:58:03	0.000	0.000	0.000
310	1/26/2018	14:59:03	0.000	0.000	0.000
311	1/26/2018	15:00:03	0.000	0.000	0.000
312	1/26/2018	15:01:03	0.000	0.000	0.000
313	1/26/2018	15:02:03	0.000	0.000	0.000
314	1/26/2018	15:03:03	0.000	0.000	0.000
315	1/26/2018	15:04:03	0.000	0.000	0.000
Peak		0.000	0.000	0.000	
Min		0.000	0.000	0.000	
Average		0.000	0.000	0.000	

=====

18/01/29 09:15

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID 00000001

Begin 1/29/2018 09:15:41

End 1/29/2018 16:24:37

Sample Period(s) 60

Number of Records 428

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	1/29/2018 09:16:41	0.000	0.000	0.000	0.000
002	1/29/2018 09:17:41	0.000	0.000	0.000	0.000
003	1/29/2018 09:18:41	0.000	0.000	0.000	0.000
004	1/29/2018 09:19:41	0.000	0.000	0.000	0.000
005	1/29/2018 09:20:41	0.000	0.000	0.000	0.000
006	1/29/2018 09:21:41	0.000	0.000	0.000	0.000
007	1/29/2018 09:22:41	0.000	0.000	0.000	0.000
008	1/29/2018 09:23:41	0.000	0.000	0.000	0.000
009	1/29/2018 09:24:41	0.000	0.000	0.000	0.000
010	1/29/2018 09:25:41	0.000	0.000	0.000	0.000
011	1/29/2018 09:26:41	0.000	0.000	0.000	0.000
012	1/29/2018 09:27:41	0.000	0.000	0.000	0.000
013	1/29/2018 09:28:41	0.000	0.000	0.000	0.000
014	1/29/2018 09:29:41	0.000	0.000	0.000	0.000
015	1/29/2018 09:30:41	0.000	0.000	0.000	0.000
016	1/29/2018 09:31:41	0.000	0.000	0.000	0.000
017	1/29/2018 09:32:41	0.000	0.000	0.000	0.000
018	1/29/2018 09:33:41	0.000	0.000	0.000	0.000
019	1/29/2018 09:34:41	0.000	0.000	0.000	0.000
020	1/29/2018 09:35:41	0.000	0.000	0.000	0.000
021	1/29/2018 09:36:41	0.000	0.000	0.000	0.000
022	1/29/2018 09:37:41	0.000	0.000	0.000	0.000
023	1/29/2018 09:38:41	0.000	0.000	0.000	0.000
024	1/29/2018 09:39:41	0.000	0.000	0.000	0.000
025	1/29/2018 09:40:41	0.000	0.000	0.000	0.000
026	1/29/2018 09:41:41	0.000	0.000	0.000	0.000
027	1/29/2018 09:42:41	0.000	0.000	0.000	0.000
028	1/29/2018 09:43:41	0.000	0.000	0.000	0.000
029	1/29/2018 09:44:41	0.000	0.000	0.000	0.000

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030	1/29/2018 09:45:41	0.000	0.000	0.000
031	1/29/2018 09:46:41	0.000	0.000	0.000
032	1/29/2018 09:47:41	0.000	0.000	0.000
033	1/29/2018 09:48:41	0.000	0.000	0.000
034	1/29/2018 09:49:41	0.000	0.040	0.142
035	1/29/2018 09:50:41	0.000	0.000	0.000
036	1/29/2018 09:51:41	0.000	0.000	0.000
037	1/29/2018 09:52:41	0.000	0.000	0.000
038	1/29/2018 09:53:41	0.000	0.000	0.000
039	1/29/2018 09:54:41	0.000	0.000	0.000
040	1/29/2018 09:55:41	0.000	0.000	0.000
041	1/29/2018 09:56:41	0.000	0.000	0.000
042	1/29/2018 09:57:41	0.000	0.000	0.000
043	1/29/2018 09:58:41	0.000	0.000	0.000
044	1/29/2018 09:59:41	0.000	0.000	0.000
045	1/29/2018 10:00:41	0.000	0.000	0.000
046	1/29/2018 10:01:41	0.000	0.000	0.000
047	1/29/2018 10:02:41	0.000	0.000	0.000
048	1/29/2018 10:03:41	0.000	0.000	0.000
049	1/29/2018 10:04:41	0.000	0.000	0.000
050	1/29/2018 10:05:41	0.000	0.000	0.000
051	1/29/2018 10:06:41	0.000	0.000	0.000
052	1/29/2018 10:07:41	0.000	0.000	0.000
053	1/29/2018 10:08:41	0.000	0.000	0.000
054	1/29/2018 10:09:41	0.000	0.000	0.000
055	1/29/2018 10:10:41	0.000	0.000	0.000
056	1/29/2018 10:11:41	0.000	0.000	0.000
057	1/29/2018 10:12:41	0.000	0.000	0.000
058	1/29/2018 10:13:41	0.000	0.000	0.000
059	1/29/2018 10:14:41	0.000	0.000	0.000
060	1/29/2018 10:15:41	0.000	0.000	0.000
061	1/29/2018 10:16:41	0.000	0.000	0.000
062	1/29/2018 10:17:41	0.000	0.000	0.000
063	1/29/2018 10:18:41	0.000	0.000	0.000
064	1/29/2018 10:19:41	0.000	0.000	0.000
065	1/29/2018 10:20:41	0.000	0.000	0.000
066	1/29/2018 10:21:41	0.000	0.000	0.000
067	1/29/2018 10:22:41	0.000	0.000	0.000
068	1/29/2018 10:23:41	0.000	0.000	0.000
069	1/29/2018 10:24:41	0.000	0.000	0.000
070	1/29/2018 10:25:41	0.000	0.000	0.000
071	1/29/2018 10:26:41	0.000	0.000	0.000
072	1/29/2018 10:27:41	0.000	0.000	0.000
073	1/29/2018 10:28:41	0.000	0.000	0.000
074	1/29/2018 10:29:41	0.000	0.000	0.000
075	1/29/2018 10:30:41	0.000	0.000	0.000
076	1/29/2018 10:31:41	0.000	0.000	0.000
077	1/29/2018 10:32:41	0.000	0.000	0.000

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078	1/29/2018	10:33:41	0.000	0.000	0.000
079	1/29/2018	10:34:41	0.000	0.000	0.000
080	1/29/2018	10:35:41	0.000	0.000	0.000
081	1/29/2018	10:36:41	0.000	0.000	0.000
082	1/29/2018	10:37:41	0.000	0.000	0.000
083	1/29/2018	10:38:41	0.000	0.000	0.000
084	1/29/2018	10:39:41	0.000	0.000	0.000
085	1/29/2018	10:40:41	0.000	0.000	0.000
086	1/29/2018	10:41:41	0.000	0.000	0.000
087	1/29/2018	10:42:41	0.000	0.000	0.000
088	1/29/2018	10:43:41	0.000	0.000	0.000
089	1/29/2018	10:44:41	0.000	0.000	0.000
090	1/29/2018	10:45:41	0.000	0.000	0.000
091	1/29/2018	10:46:41	0.000	0.000	0.000
092	1/29/2018	10:47:41	0.000	0.000	0.000
093	1/29/2018	10:48:41	0.000	0.000	0.000
094	1/29/2018	10:49:41	0.000	0.000	0.000
095	1/29/2018	10:50:41	0.000	0.000	0.000
096	1/29/2018	10:51:41	0.000	0.000	0.000
097	1/29/2018	10:52:41	0.000	0.000	0.000
098	1/29/2018	10:53:41	0.000	0.000	0.000
099	1/29/2018	10:54:41	0.000	0.000	0.000
100	1/29/2018	10:55:41	0.000	0.000	0.000
101	1/29/2018	10:56:41	0.000	0.000	0.000
102	1/29/2018	10:57:41	0.000	0.000	0.000
103	1/29/2018	10:58:41	0.000	0.000	0.000
104	1/29/2018	10:59:41	0.000	0.000	0.000
105	1/29/2018	11:00:41	0.000	0.000	0.000
106	1/29/2018	11:01:41	0.000	0.000	0.000
107	1/29/2018	11:02:41	0.000	0.000	0.000
108	1/29/2018	11:03:41	0.000	0.000	0.000
109	1/29/2018	11:04:41	0.000	0.000	0.000
110	1/29/2018	11:05:41	0.000	0.000	0.000
111	1/29/2018	11:06:41	0.000	0.000	0.000
112	1/29/2018	11:07:41	0.000	0.000	0.000
113	1/29/2018	11:08:41	0.000	0.000	0.000
114	1/29/2018	11:09:41	0.000	0.000	0.000
115	1/29/2018	11:10:41	0.000	0.000	0.000
116	1/29/2018	11:11:41	0.000	0.000	0.000
117	1/29/2018	11:12:41	0.000	0.000	0.000
118	1/29/2018	11:13:41	0.000	0.000	0.000
119	1/29/2018	11:14:41	0.000	0.000	0.000
120	1/29/2018	11:15:41	0.000	0.000	0.000
121	1/29/2018	11:16:41	0.000	0.000	0.000
122	1/29/2018	11:17:41	0.000	0.000	0.000
123	1/29/2018	11:18:41	0.000	0.000	0.000
124	1/29/2018	11:19:41	0.000	0.000	0.000
125	1/29/2018	11:20:41	0.000	0.000	0.000

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126	1/29/2018	11:21:41	0.000	0.000	0.000
127	1/29/2018	11:22:41	0.000	0.000	0.000
128	1/29/2018	11:23:41	0.000	0.000	0.000
129	1/29/2018	11:24:41	0.000	0.000	0.000
130	1/29/2018	11:25:41	0.000	0.000	0.000
131	1/29/2018	11:26:41	0.000	0.000	0.000
132	1/29/2018	11:27:41	0.000	0.000	0.000
133	1/29/2018	11:28:41	0.000	0.000	0.000
134	1/29/2018	11:29:41	0.000	0.000	0.000
135	1/29/2018	11:30:41	0.000	0.000	0.000
136	1/29/2018	11:31:41	0.000	0.000	0.000
137	1/29/2018	11:32:41	0.000	0.000	0.000
138	1/29/2018	11:33:41	0.000	0.000	0.000
139	1/29/2018	11:34:41	0.000	0.000	0.000
140	1/29/2018	11:35:41	0.000	0.000	0.000
141	1/29/2018	11:36:41	0.000	0.000	0.000
142	1/29/2018	11:37:41	0.000	0.000	0.000
143	1/29/2018	11:38:41	0.000	0.000	0.000
144	1/29/2018	11:39:41	0.000	0.000	0.000
145	1/29/2018	11:40:41	0.000	0.000	0.000
146	1/29/2018	11:41:41	0.000	0.000	0.000
147	1/29/2018	11:42:41	0.000	0.000	0.000
148	1/29/2018	11:43:41	0.000	0.000	0.000
149	1/29/2018	11:44:41	0.000	0.000	0.000
150	1/29/2018	11:45:41	0.000	0.000	0.000
151	1/29/2018	11:46:41	0.000	0.000	0.000
152	1/29/2018	11:47:41	0.000	0.000	0.000
153	1/29/2018	11:48:41	0.000	0.000	0.000
154	1/29/2018	11:49:41	0.000	0.000	0.000
155	1/29/2018	11:50:41	0.000	0.000	0.000
156	1/29/2018	11:51:41	0.000	0.000	0.000
157	1/29/2018	11:52:41	0.000	0.000	0.000
158	1/29/2018	11:53:41	0.000	0.000	0.000
159	1/29/2018	11:54:41	0.000	0.000	0.000
160	1/29/2018	11:55:41	0.000	0.000	0.000
161	1/29/2018	11:56:41	0.000	0.000	0.000
162	1/29/2018	11:57:41	0.000	0.000	0.000
163	1/29/2018	11:58:41	0.000	0.000	0.000
164	1/29/2018	11:59:41	0.000	0.000	0.000
165	1/29/2018	12:00:41	0.000	0.000	0.000
166	1/29/2018	12:01:41	0.000	0.000	0.000
167	1/29/2018	12:02:41	0.000	0.000	0.000
168	1/29/2018	12:03:41	0.000	0.000	0.000
169	1/29/2018	12:04:41	0.000	0.000	0.000
170	1/29/2018	12:05:41	0.000	0.000	0.000
171	1/29/2018	12:06:41	0.000	0.000	0.000
172	1/29/2018	12:07:41	0.000	0.000	0.000
173	1/29/2018	12:08:41	0.000	0.000	0.000

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174	1/29/2018	12:09:41	0.000	0.000	0.000
175	1/29/2018	12:10:41	0.000	0.000	0.000
176	1/29/2018	12:11:41	0.000	0.000	0.000
177	1/29/2018	12:12:41	0.000	0.000	0.000
178	1/29/2018	12:13:41	0.000	0.000	0.000
179	1/29/2018	12:14:41	0.000	0.000	0.000
180	1/29/2018	12:15:41	0.000	0.000	0.000
181	1/29/2018	12:16:41	0.000	0.000	0.000
182	1/29/2018	12:17:41	0.000	0.000	0.000
183	1/29/2018	12:18:41	0.000	0.000	0.000
184	1/29/2018	12:19:41	0.000	0.000	0.000
185	1/29/2018	12:20:41	0.000	0.000	0.000
186	1/29/2018	12:21:41	0.000	0.000	0.000
187	1/29/2018	12:22:41	0.000	0.000	0.000
188	1/29/2018	12:23:41	0.000	0.000	0.000
189	1/29/2018	12:24:41	0.000	0.000	0.000
190	1/29/2018	12:25:41	0.000	0.000	0.000
191	1/29/2018	12:26:41	0.000	0.000	0.000
192	1/29/2018	12:27:41	0.000	0.000	0.000
193	1/29/2018	12:28:41	0.000	0.000	0.000
194	1/29/2018	12:29:41	0.000	0.000	0.000
195	1/29/2018	12:30:41	0.000	0.000	0.000
196	1/29/2018	12:31:41	0.000	0.000	0.000
197	1/29/2018	12:32:41	0.000	0.000	0.000
198	1/29/2018	12:33:41	0.000	0.000	0.000
199	1/29/2018	12:34:41	0.000	0.000	0.000
200	1/29/2018	12:35:41	0.000	0.000	0.000
201	1/29/2018	12:36:41	0.000	0.000	0.000
202	1/29/2018	12:37:41	0.000	0.000	0.000
203	1/29/2018	12:38:41	0.000	0.000	0.000
204	1/29/2018	12:39:41	0.000	0.000	0.000
205	1/29/2018	12:40:41	0.000	0.000	0.000
206	1/29/2018	12:41:41	0.000	0.000	0.000
207	1/29/2018	12:42:41	0.000	0.000	0.000
208	1/29/2018	12:43:41	0.000	0.000	0.000
209	1/29/2018	12:44:41	0.000	0.000	0.000
210	1/29/2018	12:45:41	0.000	0.000	0.000
211	1/29/2018	12:46:41	0.000	0.000	0.000
212	1/29/2018	12:47:41	0.000	0.000	0.000
213	1/29/2018	12:48:41	0.000	0.000	0.000
214	1/29/2018	12:49:41	0.000	0.000	0.000
215	1/29/2018	12:50:41	0.000	0.000	0.000
216	1/29/2018	12:51:41	0.000	0.000	0.000
217	1/29/2018	12:52:41	0.000	0.000	0.000
218	1/29/2018	12:53:41	0.000	0.000	0.000
219	1/29/2018	12:54:41	0.000	0.000	0.000
220	1/29/2018	12:55:41	0.000	0.000	0.000
221	1/29/2018	12:56:41	0.000	0.000	0.000

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222	1/29/2018	12:57:41	0.000	0.000	0.000
223	1/29/2018	12:58:41	0.000	0.000	0.000
224	1/29/2018	12:59:41	0.000	0.000	0.000
225	1/29/2018	13:00:41	0.000	0.000	0.000
226	1/29/2018	13:01:41	0.000	0.000	0.000
227	1/29/2018	13:02:41	0.000	0.000	0.000
228	1/29/2018	13:03:41	0.000	0.000	0.000
229	1/29/2018	13:04:41	0.000	0.000	0.000
230	1/29/2018	13:05:41	0.000	0.000	0.000
231	1/29/2018	13:06:41	0.000	0.000	0.000
232	1/29/2018	13:07:41	0.000	0.000	0.000
233	1/29/2018	13:08:41	0.000	0.000	0.000
234	1/29/2018	13:09:41	0.000	0.000	0.000
235	1/29/2018	13:10:41	0.000	0.000	0.000
236	1/29/2018	13:11:41	0.000	0.000	0.000
237	1/29/2018	13:12:41	0.000	0.000	0.000
238	1/29/2018	13:13:41	0.000	0.000	0.000
239	1/29/2018	13:14:41	0.000	0.000	0.000
240	1/29/2018	13:15:41	0.000	0.000	0.000
241	1/29/2018	13:16:41	0.000	0.000	0.000
242	1/29/2018	13:17:41	0.000	0.000	0.000
243	1/29/2018	13:18:41	0.000	0.000	0.000
244	1/29/2018	13:19:41	0.000	0.000	0.000
245	1/29/2018	13:20:41	0.000	0.000	0.000
246	1/29/2018	13:21:41	0.000	0.000	0.000
247	1/29/2018	13:22:41	0.000	0.000	0.000
248	1/29/2018	13:23:41	0.000	0.000	0.000
249	1/29/2018	13:24:41	0.000	0.000	0.000
250	1/29/2018	13:25:41	0.000	0.000	0.000
251	1/29/2018	13:26:41	0.000	0.000	0.000
252	1/29/2018	13:27:41	0.000	0.000	0.000
253	1/29/2018	13:28:41	0.000	0.000	0.000
254	1/29/2018	13:29:41	0.000	0.000	0.000
255	1/29/2018	13:30:41	0.000	0.000	0.000
256	1/29/2018	13:31:41	0.000	0.000	0.000
257	1/29/2018	13:32:41	0.000	0.000	0.000
258	1/29/2018	13:33:41	0.000	0.000	0.000
259	1/29/2018	13:34:41	0.000	0.000	0.000
260	1/29/2018	13:35:41	0.000	0.000	0.000
261	1/29/2018	13:36:41	0.000	0.000	0.000
262	1/29/2018	13:37:41	0.000	0.000	0.000
263	1/29/2018	13:38:41	0.000	0.000	0.000
264	1/29/2018	13:39:41	0.000	0.000	0.000
265	1/29/2018	13:40:41	0.000	0.000	0.000
266	1/29/2018	13:41:41	0.000	0.000	0.000
267	1/29/2018	13:42:41	0.000	0.000	0.000
268	1/29/2018	13:43:41	0.000	0.000	0.000
269	1/29/2018	13:44:41	0.000	0.000	0.000

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270	1/29/2018	13:45:41	0.000	0.000	0.000
271	1/29/2018	13:46:41	0.000	0.000	0.000
272	1/29/2018	13:47:41	0.000	0.000	0.000
273	1/29/2018	13:48:41	0.000	0.000	0.000
274	1/29/2018	13:49:41	0.000	0.000	0.000
275	1/29/2018	13:50:41	0.000	0.000	0.000
276	1/29/2018	13:51:41	0.000	0.000	0.000
277	1/29/2018	13:52:41	0.000	0.000	0.000
278	1/29/2018	13:53:41	0.000	0.000	0.000
279	1/29/2018	13:54:41	0.000	0.000	0.000
280	1/29/2018	13:55:41	0.000	0.000	0.000
281	1/29/2018	13:56:41	0.000	0.000	0.000
282	1/29/2018	13:57:41	0.000	0.000	0.000
283	1/29/2018	13:58:41	0.000	0.000	0.000
284	1/29/2018	13:59:41	0.000	0.000	0.000
285	1/29/2018	14:00:41	0.000	0.000	0.000
286	1/29/2018	14:01:41	0.000	0.000	0.000
287	1/29/2018	14:02:41	0.000	0.000	0.000
288	1/29/2018	14:03:41	0.000	0.000	0.000
289	1/29/2018	14:04:41	0.000	0.000	0.000
290	1/29/2018	14:05:41	0.000	0.000	0.000
291	1/29/2018	14:06:41	0.000	0.000	0.000
292	1/29/2018	14:07:41	0.000	0.000	0.000
293	1/29/2018	14:08:41	0.000	0.000	0.000
294	1/29/2018	14:09:41	0.000	0.000	0.000
295	1/29/2018	14:10:41	0.000	0.000	0.000
296	1/29/2018	14:11:41	0.000	0.000	0.000
297	1/29/2018	14:12:41	0.000	0.000	0.000
298	1/29/2018	14:13:41	0.000	0.000	0.000
299	1/29/2018	14:14:41	0.000	0.000	0.000
300	1/29/2018	14:15:41	0.000	0.000	0.000
301	1/29/2018	14:16:41	0.000	0.000	0.000
302	1/29/2018	14:17:41	0.000	0.000	0.000
303	1/29/2018	14:18:41	0.000	0.000	0.000
304	1/29/2018	14:19:41	0.000	0.000	0.000
305	1/29/2018	14:20:41	0.000	0.000	0.000
306	1/29/2018	14:21:41	0.000	0.000	0.000
307	1/29/2018	14:22:41	0.000	0.000	0.000
308	1/29/2018	14:23:41	0.000	0.000	0.000
309	1/29/2018	14:24:41	0.000	0.000	0.000
310	1/29/2018	14:25:41	0.000	0.000	0.000
311	1/29/2018	14:26:41	0.000	0.000	0.000
312	1/29/2018	14:27:41	0.000	0.000	0.000
313	1/29/2018	14:28:41	0.000	0.000	0.000
314	1/29/2018	14:29:41	0.000	0.000	0.000
315	1/29/2018	14:30:41	0.000	0.000	0.000
316	1/29/2018	14:31:41	0.000	0.000	0.000
317	1/29/2018	14:32:41	0.000	0.000	0.000

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318	1/29/2018	14:33:41	0.000	0.000	0.000
319	1/29/2018	14:34:41	0.000	0.000	0.000
320	1/29/2018	14:35:41	0.000	0.000	0.000
321	1/29/2018	14:36:41	0.000	0.000	0.000
322	1/29/2018	14:37:41	0.000	0.000	0.000
323	1/29/2018	14:38:41	0.000	0.000	0.000
324	1/29/2018	14:39:41	0.000	0.000	0.000
325	1/29/2018	14:40:41	0.000	0.000	0.000
326	1/29/2018	14:41:41	0.000	0.000	0.000
327	1/29/2018	14:42:41	0.000	0.000	0.000
328	1/29/2018	14:43:41	0.000	0.000	0.000
329	1/29/2018	14:44:41	0.000	0.000	0.000
330	1/29/2018	14:45:41	0.000	0.000	0.000
331	1/29/2018	14:46:41	0.000	0.000	0.000
332	1/29/2018	14:47:41	0.000	0.000	0.000
333	1/29/2018	14:48:41	0.000	0.000	0.000
334	1/29/2018	14:49:41	0.000	0.000	0.000
335	1/29/2018	14:50:41	0.000	0.000	0.000
336	1/29/2018	14:51:41	0.000	0.000	0.000
337	1/29/2018	14:52:41	0.000	0.000	0.000
338	1/29/2018	14:53:41	0.000	0.000	0.000
339	1/29/2018	14:54:41	0.000	0.000	0.000
340	1/29/2018	14:55:41	0.000	0.000	0.000
341	1/29/2018	14:56:41	0.000	0.000	0.000
342	1/29/2018	14:57:41	0.000	0.000	0.000
343	1/29/2018	14:58:41	0.000	0.000	0.000
344	1/29/2018	14:59:41	0.000	0.000	0.000
345	1/29/2018	15:00:41	0.000	0.000	0.000
346	1/29/2018	15:01:41	0.000	0.000	0.000
347	1/29/2018	15:02:41	0.000	0.000	0.000
348	1/29/2018	15:03:41	0.000	0.000	0.000
349	1/29/2018	15:04:41	0.000	0.000	0.000
350	1/29/2018	15:05:41	0.000	0.000	0.000
351	1/29/2018	15:06:41	0.000	0.000	0.000
352	1/29/2018	15:07:41	0.000	0.000	0.000
353	1/29/2018	15:08:41	0.000	0.000	0.000
354	1/29/2018	15:09:41	0.000	0.000	0.000
355	1/29/2018	15:10:41	0.000	0.000	0.000
356	1/29/2018	15:11:41	0.000	0.000	0.000
357	1/29/2018	15:12:41	0.000	0.000	0.000
358	1/29/2018	15:13:41	0.000	0.000	0.000
359	1/29/2018	15:14:41	0.000	0.000	0.000
360	1/29/2018	15:15:41	0.000	0.000	0.000
361	1/29/2018	15:16:41	0.000	0.000	0.000
362	1/29/2018	15:17:41	0.000	0.000	0.000
363	1/29/2018	15:18:41	0.000	0.000	0.000
364	1/29/2018	15:19:41	0.000	0.000	0.000
365	1/29/2018	15:20:41	0.000	0.000	0.000

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366	1/29/2018	15:21:41	0.000	0.000	0.000
367	1/29/2018	15:22:41	0.000	0.000	0.000
368	1/29/2018	15:23:41	0.000	0.000	0.000
369	1/29/2018	15:24:41	0.000	0.000	0.000
370	1/29/2018	15:25:41	0.000	0.000	0.000
371	1/29/2018	15:26:41	0.000	0.000	0.000
372	1/29/2018	15:27:41	0.000	0.000	0.000
373	1/29/2018	15:28:41	0.000	0.000	0.013
374	1/29/2018	15:29:41	0.000	0.000	0.012
375	1/29/2018	15:30:41	0.000	0.000	0.000
376	1/29/2018	15:31:41	0.000	0.000	0.000
377	1/29/2018	15:32:41	0.000	0.000	0.000
378	1/29/2018	15:33:41	0.000	0.000	0.000
379	1/29/2018	15:34:41	0.000	0.000	0.000
380	1/29/2018	15:35:41	0.000	0.000	0.000
381	1/29/2018	15:36:41	0.000	0.000	0.011
382	1/29/2018	15:37:41	0.000	0.000	0.000
383	1/29/2018	15:38:41	0.000	0.000	0.000
384	1/29/2018	15:39:41	0.000	0.000	0.000
385	1/29/2018	15:40:41	0.000	0.000	0.000
386	1/29/2018	15:41:41	0.000	0.000	0.000
387	1/29/2018	15:42:41	0.000	0.000	0.000
388	1/29/2018	15:43:41	0.000	0.000	0.000
389	1/29/2018	15:44:41	0.000	0.000	0.000
390	1/29/2018	15:45:41	0.000	0.000	0.000
391	1/29/2018	15:46:41	0.000	0.000	0.000
392	1/29/2018	15:47:41	0.000	0.000	0.000
393	1/29/2018	15:48:41	0.000	0.000	0.000
394	1/29/2018	15:49:41	0.000	0.000	0.000
395	1/29/2018	15:50:41	0.000	0.000	0.000
396	1/29/2018	15:51:41	0.000	0.000	0.000
397	1/29/2018	15:52:41	0.000	0.000	0.000
398	1/29/2018	15:53:41	0.000	0.000	0.000
399	1/29/2018	15:54:41	0.000	0.000	0.000
400	1/29/2018	15:55:41	0.000	0.000	0.000
401	1/29/2018	15:56:41	0.000	0.000	0.000
402	1/29/2018	15:57:41	0.000	0.000	0.000
403	1/29/2018	15:58:41	0.000	0.000	0.000
404	1/29/2018	15:59:41	0.000	0.000	0.000
405	1/29/2018	16:00:41	0.000	0.000	0.000
406	1/29/2018	16:01:41	0.000	0.000	0.000
407	1/29/2018	16:02:41	0.000	0.000	0.000
408	1/29/2018	16:03:41	0.000	0.000	0.002
409	1/29/2018	16:04:41	0.000	0.000	0.000
410	1/29/2018	16:05:41	0.000	0.000	0.000
411	1/29/2018	16:06:41	0.000	0.000	0.000
412	1/29/2018	16:07:41	0.000	0.000	0.000
413	1/29/2018	16:08:41	0.000	0.000	0.000

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414	1/29/2018 16:09:41	0.000	0.000	0.000
415	1/29/2018 16:10:41	0.000	0.000	0.000
416	1/29/2018 16:11:41	0.000	0.000	0.000
417	1/29/2018 16:12:41	0.000	0.000	0.000
418	1/29/2018 16:13:41	0.000	0.000	0.000
419	1/29/2018 16:14:41	0.000	0.000	0.000
420	1/29/2018 16:15:41	0.000	0.000	0.000
421	1/29/2018 16:16:41	0.000	0.000	0.000
422	1/29/2018 16:17:41	0.000	0.000	0.000
423	1/29/2018 16:18:41	0.000	0.000	0.000
424	1/29/2018 16:19:41	0.000	0.000	0.000
425	1/29/2018 16:20:41	0.000	0.000	0.000
426	1/29/2018 16:21:41	0.000	0.000	0.000
427	1/29/2018 16:22:41	0.000	0.000	0.000
428	1/29/2018 16:23:41	0.000	0.000	0.000
Peak		0.000	0.040	0.142
Min		0.000	0.000	0.000
Average		0.000	0.000	0.000

=====

18/01/30 09:56

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID 00000001

Begin 1/30/2018 09:56:33

End 1/30/2018 16:27:54

Sample Period(s) 60

Number of Records 391

Sensor VOC(ppm)

Span 100.000

Span 2 N/A

Low Alarm 50.000

High Alarm 100.000

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Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	1/30/2018 09:57:33	0.000	0.000	0.000	0.000
002	1/30/2018 09:58:33	0.000	0.000	0.000	0.000
003	1/30/2018 09:59:33	0.000	0.000	0.000	0.000
004	1/30/2018 10:00:33	0.000	0.000	0.000	0.000
005	1/30/2018 10:01:33	0.000	0.000	0.000	0.000
006	1/30/2018 10:02:33	0.000	0.000	0.000	0.000
007	1/30/2018 10:03:33	0.000	0.000	0.000	0.000
008	1/30/2018 10:04:33	0.000	0.000	0.000	0.000
009	1/30/2018 10:05:33	0.000	0.000	0.000	0.000
010	1/30/2018 10:06:33	0.000	0.000	0.000	0.000
011	1/30/2018 10:07:33	0.000	0.000	0.000	0.000
012	1/30/2018 10:08:33	0.000	0.000	0.000	0.000
013	1/30/2018 10:09:33	0.000	0.000	0.000	0.000
014	1/30/2018 10:10:33	0.000	0.000	0.000	0.000
015	1/30/2018 10:11:33	0.000	0.000	0.000	0.000
016	1/30/2018 10:12:33	0.000	0.000	0.000	0.000
017	1/30/2018 10:13:33	0.000	0.000	0.000	0.000
018	1/30/2018 10:14:33	0.000	0.000	0.000	0.000
019	1/30/2018 10:15:33	0.000	0.000	0.000	0.000
020	1/30/2018 10:16:33	0.000	0.000	0.000	0.000
021	1/30/2018 10:17:33	0.000	0.000	0.000	0.000
022	1/30/2018 10:18:33	0.000	0.000	0.000	0.000
023	1/30/2018 10:19:33	0.000	0.000	0.000	0.000
024	1/30/2018 10:20:33	0.000	0.000	0.000	0.000
025	1/30/2018 10:21:33	0.000	0.000	0.000	0.000
026	1/30/2018 10:22:33	0.000	0.000	0.000	0.000
027	1/30/2018 10:23:33	0.000	0.000	0.000	0.000
028	1/30/2018 10:24:33	0.000	0.000	0.000	0.000
029	1/30/2018 10:25:33	0.000	0.000	0.000	0.000
030	1/30/2018 10:26:33	0.000	0.000	0.000	0.000
031	1/30/2018 10:27:33	0.000	0.000	0.000	0.000
032	1/30/2018 10:28:33	0.000	0.000	0.000	0.000
033	1/30/2018 10:29:33	0.000	0.000	0.000	0.000
034	1/30/2018 10:30:33	0.000	0.000	0.000	0.000
035	1/30/2018 10:31:33	0.000	0.000	0.000	0.000

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036	1/30/2018	10:32:33	0.000	0.000	0.000
037	1/30/2018	10:33:33	0.000	0.000	0.000
038	1/30/2018	10:34:33	0.000	0.000	0.000
039	1/30/2018	10:35:33	0.000	0.000	0.000
040	1/30/2018	10:36:33	0.000	0.000	0.000
041	1/30/2018	10:37:33	0.000	0.000	0.000
042	1/30/2018	10:38:33	0.000	0.000	0.000
043	1/30/2018	10:39:33	0.000	0.000	0.000
044	1/30/2018	10:40:33	0.000	0.000	0.000
045	1/30/2018	10:41:33	0.000	0.000	0.000
046	1/30/2018	10:42:33	0.000	0.000	0.000
047	1/30/2018	10:43:33	0.000	0.000	0.000
048	1/30/2018	10:44:33	0.000	0.000	0.000
049	1/30/2018	10:45:33	0.000	0.000	0.000
050	1/30/2018	10:46:33	0.000	0.000	0.000
051	1/30/2018	10:47:33	0.000	0.000	0.000
052	1/30/2018	10:48:33	0.000	0.000	0.000
053	1/30/2018	10:49:33	0.000	0.000	0.000
054	1/30/2018	10:50:33	0.000	0.000	0.000
055	1/30/2018	10:51:33	0.000	0.000	0.000
056	1/30/2018	10:52:33	0.000	0.000	0.000
057	1/30/2018	10:53:33	0.000	0.000	0.000
058	1/30/2018	10:54:33	0.000	0.000	0.000
059	1/30/2018	10:55:33	0.000	0.000	0.000
060	1/30/2018	10:56:33	0.000	0.000	0.000
061	1/30/2018	10:57:33	0.000	0.000	0.000
062	1/30/2018	10:58:33	0.000	0.000	0.000
063	1/30/2018	10:59:33	0.000	0.000	0.000
064	1/30/2018	11:00:33	0.000	0.000	0.000
065	1/30/2018	11:01:33	0.000	0.000	0.000
066	1/30/2018	11:02:33	0.000	0.000	0.000
067	1/30/2018	11:03:33	0.000	0.000	0.000
068	1/30/2018	11:04:33	0.000	0.000	0.000
069	1/30/2018	11:05:33	0.000	0.000	0.000
070	1/30/2018	11:06:33	0.000	0.000	0.000
071	1/30/2018	11:07:33	0.000	0.000	0.000
072	1/30/2018	11:08:33	0.000	0.000	0.000
073	1/30/2018	11:09:33	0.000	0.000	0.000
074	1/30/2018	11:10:33	0.000	0.000	0.000
075	1/30/2018	11:11:33	0.000	0.000	0.000
076	1/30/2018	11:12:33	0.000	0.000	0.000
077	1/30/2018	11:13:33	0.000	0.000	0.000
078	1/30/2018	11:14:33	0.000	0.000	0.000
079	1/30/2018	11:15:33	0.000	0.000	0.000
080	1/30/2018	11:16:33	0.000	0.000	0.000
081	1/30/2018	11:17:33	0.000	0.000	0.000
082	1/30/2018	11:18:33	0.000	0.000	0.000
083	1/30/2018	11:19:33	0.000	0.000	0.000

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084	1/30/2018	11:20:33	0.000	0.000	0.000
085	1/30/2018	11:21:33	0.000	0.000	0.000
086	1/30/2018	11:22:33	0.000	0.000	0.000
087	1/30/2018	11:23:33	0.000	0.000	0.000
088	1/30/2018	11:24:33	0.000	0.000	0.000
089	1/30/2018	11:25:33	0.000	0.000	0.000
090	1/30/2018	11:26:33	0.000	0.000	0.000
091	1/30/2018	11:27:33	0.000	0.000	0.000
092	1/30/2018	11:28:33	0.000	0.000	0.000
093	1/30/2018	11:29:33	0.000	0.000	0.000
094	1/30/2018	11:30:33	0.000	0.000	0.000
095	1/30/2018	11:31:33	0.000	0.000	0.000
096	1/30/2018	11:32:33	0.000	0.000	0.000
097	1/30/2018	11:33:33	0.000	0.000	0.000
098	1/30/2018	11:34:33	0.000	0.000	0.000
099	1/30/2018	11:35:33	0.000	0.000	0.000
100	1/30/2018	11:36:33	0.000	0.000	0.000
101	1/30/2018	11:37:33	0.000	0.000	0.000
102	1/30/2018	11:38:33	0.000	0.000	0.000
103	1/30/2018	11:39:33	0.000	0.000	0.000
104	1/30/2018	11:40:33	0.000	0.000	0.000
105	1/30/2018	11:41:33	0.000	0.000	0.000
106	1/30/2018	11:42:33	0.000	0.000	0.000
107	1/30/2018	11:43:33	0.000	0.000	0.000
108	1/30/2018	11:44:33	0.000	0.000	0.000
109	1/30/2018	11:45:33	0.000	0.000	0.000
110	1/30/2018	11:46:33	0.000	0.000	0.000
111	1/30/2018	11:47:33	0.000	0.000	0.000
112	1/30/2018	11:48:33	0.000	0.000	0.000
113	1/30/2018	11:49:33	0.000	0.000	0.000
114	1/30/2018	11:50:33	0.000	0.000	0.000
115	1/30/2018	11:51:33	0.000	0.000	0.000
116	1/30/2018	11:52:33	0.000	0.000	0.000
117	1/30/2018	11:53:33	0.000	0.000	0.000
118	1/30/2018	11:54:33	0.000	0.000	0.000
119	1/30/2018	11:55:33	0.000	0.000	0.000
120	1/30/2018	11:56:33	0.000	0.000	0.000
121	1/30/2018	11:57:33	0.000	0.000	0.000
122	1/30/2018	11:58:33	0.000	0.000	0.000
123	1/30/2018	11:59:33	0.000	0.000	0.000
124	1/30/2018	12:00:33	0.000	0.000	0.000
125	1/30/2018	12:01:33	0.000	0.000	0.000
126	1/30/2018	12:02:33	0.000	0.000	0.000
127	1/30/2018	12:03:33	0.000	0.000	0.000
128	1/30/2018	12:04:33	0.000	0.000	0.000
129	1/30/2018	12:05:33	0.000	0.000	0.000
130	1/30/2018	12:06:33	0.000	0.000	0.000
131	1/30/2018	12:07:33	0.000	0.000	0.000

			Pine_24759_20180226		
132	1/30/2018	12:08:33	0.000	0.000	0.000
133	1/30/2018	12:09:33	0.000	0.000	0.000
134	1/30/2018	12:10:33	0.000	0.000	0.000
135	1/30/2018	12:11:33	0.000	0.000	0.000
136	1/30/2018	12:12:33	0.000	0.000	0.000
137	1/30/2018	12:13:33	0.000	0.000	0.000
138	1/30/2018	12:14:33	0.000	0.000	0.000
139	1/30/2018	12:15:33	0.000	0.000	0.000
140	1/30/2018	12:16:33	0.000	0.000	0.000
141	1/30/2018	12:17:33	0.000	0.000	0.000
142	1/30/2018	12:18:33	0.000	0.000	0.000
143	1/30/2018	12:19:33	0.000	0.000	0.000
144	1/30/2018	12:20:33	0.000	0.000	0.000
145	1/30/2018	12:21:33	0.000	0.000	0.000
146	1/30/2018	12:22:33	0.000	0.000	0.000
147	1/30/2018	12:23:33	0.000	0.000	0.000
148	1/30/2018	12:24:33	0.000	0.000	0.000
149	1/30/2018	12:25:33	0.000	0.000	0.005
150	1/30/2018	12:26:33	0.000	0.000	0.000
151	1/30/2018	12:27:33	0.000	0.000	0.000
152	1/30/2018	12:28:33	0.000	0.000	0.000
153	1/30/2018	12:29:33	0.000	0.000	0.000
154	1/30/2018	12:30:33	0.000	0.000	0.000
155	1/30/2018	12:31:33	0.000	0.000	0.000
156	1/30/2018	12:32:33	0.000	0.000	0.000
157	1/30/2018	12:33:33	0.000	0.000	0.000
158	1/30/2018	12:34:33	0.000	0.000	0.000
159	1/30/2018	12:35:33	0.000	0.000	0.000
160	1/30/2018	12:36:33	0.000	0.000	0.000
161	1/30/2018	12:37:33	0.000	0.000	0.000
162	1/30/2018	12:38:33	0.000	0.000	0.000
163	1/30/2018	12:39:33	0.000	0.000	0.000
164	1/30/2018	12:40:33	0.000	0.000	0.000
165	1/30/2018	12:41:33	0.000	0.000	0.000
166	1/30/2018	12:42:33	0.000	0.000	0.000
167	1/30/2018	12:43:33	0.000	0.000	0.000
168	1/30/2018	12:44:33	0.000	0.000	0.000
169	1/30/2018	12:45:33	0.000	0.000	0.000
170	1/30/2018	12:46:33	0.000	0.000	0.000
171	1/30/2018	12:47:33	0.000	0.000	0.000
172	1/30/2018	12:48:33	0.000	0.000	0.000
173	1/30/2018	12:49:33	0.000	0.000	0.000
174	1/30/2018	12:50:33	0.000	0.000	0.000
175	1/30/2018	12:51:33	0.000	0.000	0.000
176	1/30/2018	12:52:33	0.000	0.000	0.000
177	1/30/2018	12:53:33	0.000	0.000	0.000
178	1/30/2018	12:54:33	0.000	0.000	0.010
179	1/30/2018	12:55:33	0.000	0.000	0.000

			Pine_24759_20180226		
180	1/30/2018	12:56:33	0.000	0.000	0.000
181	1/30/2018	12:57:33	0.000	0.000	0.000
182	1/30/2018	12:58:33	0.000	0.000	0.000
183	1/30/2018	12:59:33	0.000	0.000	0.000
184	1/30/2018	13:00:33	0.000	0.000	0.000
185	1/30/2018	13:01:33	0.000	0.000	0.000
186	1/30/2018	13:02:33	0.000	0.000	0.000
187	1/30/2018	13:03:33	0.000	0.000	0.000
188	1/30/2018	13:04:33	0.000	0.000	0.000
189	1/30/2018	13:05:33	0.000	0.000	0.000
190	1/30/2018	13:06:33	0.000	0.000	0.000
191	1/30/2018	13:07:33	0.000	0.000	0.000
192	1/30/2018	13:08:33	0.000	0.000	0.000
193	1/30/2018	13:09:33	0.000	0.000	0.000
194	1/30/2018	13:10:33	0.000	0.000	0.000
195	1/30/2018	13:11:33	0.000	0.000	0.000
196	1/30/2018	13:12:33	0.000	0.000	0.000
197	1/30/2018	13:13:33	0.000	0.000	0.000
198	1/30/2018	13:14:33	0.000	0.000	0.000
199	1/30/2018	13:15:33	0.000	0.000	0.000
200	1/30/2018	13:16:33	0.000	0.000	0.006
201	1/30/2018	13:17:33	0.000	0.002	0.034
202	1/30/2018	13:18:33	0.000	0.000	0.000
203	1/30/2018	13:19:33	0.000	0.000	0.000
204	1/30/2018	13:20:33	0.000	0.000	0.000
205	1/30/2018	13:21:33	0.000	0.000	0.000
206	1/30/2018	13:22:33	0.000	0.000	0.000
207	1/30/2018	13:23:33	0.000	0.000	0.000
208	1/30/2018	13:24:33	0.000	0.000	0.008
209	1/30/2018	13:25:33	0.000	0.000	0.010
210	1/30/2018	13:26:33	0.000	0.000	0.000
211	1/30/2018	13:27:33	0.000	0.000	0.000
212	1/30/2018	13:28:33	0.000	0.000	0.000
213	1/30/2018	13:29:33	0.000	0.000	0.000
214	1/30/2018	13:30:33	0.000	0.000	0.000
215	1/30/2018	13:31:33	0.000	0.000	0.000
216	1/30/2018	13:32:33	0.000	0.000	0.000
217	1/30/2018	13:33:33	0.000	0.000	0.000
218	1/30/2018	13:34:33	0.000	0.000	0.000
219	1/30/2018	13:35:33	0.000	0.000	0.000
220	1/30/2018	13:36:33	0.000	0.000	0.000
221	1/30/2018	13:37:33	0.000	0.000	0.000
222	1/30/2018	13:38:33	0.000	0.000	0.000
223	1/30/2018	13:39:33	0.000	0.000	0.000
224	1/30/2018	13:40:33	0.000	0.000	0.000
225	1/30/2018	13:41:33	0.000	0.000	0.000
226	1/30/2018	13:42:33	0.000	0.000	0.000
227	1/30/2018	13:43:33	0.000	0.000	0.000

			Pine_24759_20180226		
228	1/30/2018	13:44:33	0.000	0.000	0.000
229	1/30/2018	13:45:33	0.000	0.000	0.000
230	1/30/2018	13:46:33	0.000	0.000	0.000
231	1/30/2018	13:47:33	0.000	0.000	0.006
232	1/30/2018	13:48:33	0.000	0.000	0.000
233	1/30/2018	13:49:33	0.000	0.000	0.000
234	1/30/2018	13:50:33	0.000	0.000	0.000
235	1/30/2018	13:51:33	0.000	0.000	0.000
236	1/30/2018	13:52:33	0.000	0.000	0.000
237	1/30/2018	13:53:33	0.000	0.000	0.000
238	1/30/2018	13:54:33	0.000	0.000	0.000
239	1/30/2018	13:55:33	0.000	0.000	0.000
240	1/30/2018	13:56:33	0.000	0.000	0.000
241	1/30/2018	13:57:33	0.000	0.000	0.000
242	1/30/2018	13:58:33	0.000	0.000	0.000
243	1/30/2018	13:59:33	0.000	0.000	0.000
244	1/30/2018	14:00:33	0.000	0.000	0.000
245	1/30/2018	14:01:33	0.000	0.000	0.000
246	1/30/2018	14:02:33	0.000	0.000	0.000
247	1/30/2018	14:03:33	0.000	0.000	0.000
248	1/30/2018	14:04:33	0.000	0.000	0.000
249	1/30/2018	14:05:33	0.000	0.000	0.000
250	1/30/2018	14:06:33	0.000	0.000	0.000
251	1/30/2018	14:07:33	0.000	0.000	0.000
252	1/30/2018	14:08:33	0.000	0.000	0.000
253	1/30/2018	14:09:33	0.000	0.000	0.000
254	1/30/2018	14:10:33	0.000	0.000	0.000
255	1/30/2018	14:11:33	0.000	0.000	0.000
256	1/30/2018	14:12:33	0.000	0.000	0.000
257	1/30/2018	14:13:33	0.000	0.000	0.000
258	1/30/2018	14:14:33	0.000	0.000	0.000
259	1/30/2018	14:15:33	0.000	0.000	0.000
260	1/30/2018	14:16:33	0.000	0.000	0.000
261	1/30/2018	14:17:33	0.000	0.000	0.000
262	1/30/2018	14:18:33	0.000	0.000	0.000
263	1/30/2018	14:19:33	0.000	0.000	0.000
264	1/30/2018	14:20:33	0.000	0.000	0.000
265	1/30/2018	14:21:33	0.000	0.000	0.000
266	1/30/2018	14:22:33	0.000	0.000	0.000
267	1/30/2018	14:23:33	0.000	0.000	0.000
268	1/30/2018	14:24:33	0.000	0.000	0.000
269	1/30/2018	14:25:33	0.000	0.000	0.000
270	1/30/2018	14:26:33	0.000	0.000	0.000
271	1/30/2018	14:27:33	0.000	0.000	0.000
272	1/30/2018	14:28:33	0.000	0.000	0.000
273	1/30/2018	14:29:33	0.000	0.000	0.004
274	1/30/2018	14:30:33	0.000	0.000	0.000
275	1/30/2018	14:31:33	0.000	0.000	0.000

Pine_24759_20180226

276	1/30/2018	14:32:33	0.000	0.000	0.000
277	1/30/2018	14:33:33	0.000	0.000	0.000
278	1/30/2018	14:34:33	0.000	0.000	0.000
279	1/30/2018	14:35:33	0.000	0.000	0.000
280	1/30/2018	14:36:33	0.000	0.000	0.000
281	1/30/2018	14:37:33	0.000	0.000	0.000
282	1/30/2018	14:38:33	0.000	0.000	0.000
283	1/30/2018	14:39:33	0.000	0.000	0.000
284	1/30/2018	14:40:33	0.000	0.000	0.000
285	1/30/2018	14:41:33	0.000	0.000	0.000
286	1/30/2018	14:42:33	0.000	0.000	0.000
287	1/30/2018	14:43:33	0.000	0.000	0.000
288	1/30/2018	14:44:33	0.000	0.000	0.000
289	1/30/2018	14:45:33	0.000	0.000	0.000
290	1/30/2018	14:46:33	0.000	0.000	0.000
291	1/30/2018	14:47:33	0.000	0.000	0.000
292	1/30/2018	14:48:33	0.000	0.000	0.000
293	1/30/2018	14:49:33	0.000	0.000	0.000
294	1/30/2018	14:50:33	0.000	0.000	0.000
295	1/30/2018	14:51:33	0.000	0.000	0.000
296	1/30/2018	14:52:33	0.000	0.000	0.000
297	1/30/2018	14:53:33	0.000	0.000	0.000
298	1/30/2018	14:54:33	0.000	0.000	0.000
299	1/30/2018	14:55:33	0.000	0.000	0.000
300	1/30/2018	14:56:33	0.000	0.000	0.013
301	1/30/2018	14:57:33	0.000	0.000	0.000
302	1/30/2018	14:58:33	0.000	0.000	0.000
303	1/30/2018	14:59:33	0.000	0.000	0.000
304	1/30/2018	15:00:33	0.000	0.000	0.000
305	1/30/2018	15:01:33	0.000	0.000	0.000
306	1/30/2018	15:02:33	0.000	0.000	0.000
307	1/30/2018	15:03:33	0.000	0.000	0.000
308	1/30/2018	15:04:33	0.000	0.000	0.000
309	1/30/2018	15:05:33	0.000	0.000	0.000
310	1/30/2018	15:06:33	0.000	0.000	0.000
311	1/30/2018	15:07:33	0.000	0.000	0.000
312	1/30/2018	15:08:33	0.000	0.000	0.000
313	1/30/2018	15:09:33	0.000	0.000	0.000
314	1/30/2018	15:10:33	0.000	0.000	0.000
315	1/30/2018	15:11:33	0.000	0.000	0.000
316	1/30/2018	15:12:33	0.000	0.000	0.000
317	1/30/2018	15:13:33	0.000	0.000	0.000
318	1/30/2018	15:14:33	0.000	0.000	0.000
319	1/30/2018	15:15:33	0.000	0.000	0.000
320	1/30/2018	15:16:33	0.000	0.000	0.000
321	1/30/2018	15:17:33	0.000	0.000	0.000
322	1/30/2018	15:18:33	0.000	0.000	0.000
323	1/30/2018	15:19:33	0.000	0.000	0.000

Pine_24759_20180226

324	1/30/2018	15:20:33	0.000	0.000	0.000
325	1/30/2018	15:21:33	0.000	0.000	0.000
326	1/30/2018	15:22:33	0.000	0.000	0.000
327	1/30/2018	15:23:33	0.000	0.000	0.000
328	1/30/2018	15:24:33	0.000	0.000	0.000
329	1/30/2018	15:25:33	0.000	0.000	0.000
330	1/30/2018	15:26:33	0.000	0.000	0.000
331	1/30/2018	15:27:33	0.000	0.000	0.000
332	1/30/2018	15:28:33	0.000	0.000	0.000
333	1/30/2018	15:29:33	0.000	0.000	0.000
334	1/30/2018	15:30:33	0.000	0.000	0.000
335	1/30/2018	15:31:33	0.000	0.000	0.000
336	1/30/2018	15:32:33	0.000	0.000	0.000
337	1/30/2018	15:33:33	0.000	0.000	0.000
338	1/30/2018	15:34:33	0.000	0.000	0.000
339	1/30/2018	15:35:33	0.000	0.000	0.000
340	1/30/2018	15:36:33	0.000	0.000	0.000
341	1/30/2018	15:37:33	0.000	0.000	0.000
342	1/30/2018	15:38:33	0.000	0.000	0.000
343	1/30/2018	15:39:33	0.000	0.000	0.000
344	1/30/2018	15:40:33	0.000	0.000	0.000
345	1/30/2018	15:41:33	0.000	0.000	0.000
346	1/30/2018	15:42:33	0.000	0.000	0.000
347	1/30/2018	15:43:33	0.000	0.000	0.000
348	1/30/2018	15:44:33	0.000	0.000	0.000
349	1/30/2018	15:45:33	0.000	0.000	0.000
350	1/30/2018	15:46:33	0.000	0.000	0.000
351	1/30/2018	15:47:33	0.000	0.000	0.000
352	1/30/2018	15:48:33	0.000	0.000	0.000
353	1/30/2018	15:49:33	0.000	0.000	0.000
354	1/30/2018	15:50:33	0.000	0.000	0.000
355	1/30/2018	15:51:33	0.000	0.000	0.000
356	1/30/2018	15:52:33	0.000	0.000	0.000
357	1/30/2018	15:53:33	0.000	0.000	0.000
358	1/30/2018	15:54:33	0.000	0.000	0.000
359	1/30/2018	15:55:33	0.000	0.000	0.000
360	1/30/2018	15:56:33	0.000	0.000	0.000
361	1/30/2018	15:57:33	0.000	0.000	0.000
362	1/30/2018	15:58:33	0.000	0.000	0.000
363	1/30/2018	15:59:33	0.000	0.000	0.000
364	1/30/2018	16:00:33	0.000	0.000	0.007
365	1/30/2018	16:01:33	0.000	0.000	0.000
366	1/30/2018	16:02:33	0.000	0.000	0.000
367	1/30/2018	16:03:33	0.000	0.000	0.000
368	1/30/2018	16:04:33	0.000	0.000	0.000
369	1/30/2018	16:05:33	0.000	0.000	0.000
370	1/30/2018	16:06:33	0.000	0.000	0.000
371	1/30/2018	16:07:33	0.000	0.000	0.000

Pine_24759_20180226					
372	1/30/2018	16:08:33	0.000	0.000	0.000
373	1/30/2018	16:09:33	0.000	0.000	0.000
374	1/30/2018	16:10:33	0.000	0.000	0.000
375	1/30/2018	16:11:33	0.000	0.002	0.026
376	1/30/2018	16:12:33	0.000	0.000	0.000
377	1/30/2018	16:13:33	0.000	0.000	0.000
378	1/30/2018	16:14:33	0.000	0.000	0.000
379	1/30/2018	16:15:33	0.000	0.000	0.000
380	1/30/2018	16:16:33	0.000	0.000	0.000
381	1/30/2018	16:17:33	0.000	0.000	0.000
382	1/30/2018	16:18:33	0.000	0.000	0.000
383	1/30/2018	16:19:33	0.000	0.000	0.000
384	1/30/2018	16:20:33	0.000	0.005	0.057
385	1/30/2018	16:21:33	0.000	0.000	0.000
386	1/30/2018	16:22:33	0.000	0.000	0.000
387	1/30/2018	16:23:33	0.000	0.000	0.000
388	1/30/2018	16:24:33	0.000	0.000	0.000
389	1/30/2018	16:25:33	0.000	0.000	0.000
390	1/30/2018	16:26:33	0.000	0.000	0.000
391	1/30/2018	16:27:33	0.000	0.000	0.000
Peak			0.000	0.005	0.057
Min			0.000	0.000	0.000
Average			0.000	0.000	0.000

18/01/31 09:37

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin 1/31/2018 09:37:54
End 1/31/2018 15:42:07
Sample Period(s) 60
Number of Records 364

Pine_24759_20180226

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	1/31/2018 09:38:54	0.000	0.000	0.000	0.000
002	1/31/2018 09:39:54	0.000	0.000	0.000	0.000
003	1/31/2018 09:40:54	0.000	0.000	0.000	0.000
004	1/31/2018 09:41:54	0.000	0.000	0.000	0.000
005	1/31/2018 09:42:54	0.000	0.000	0.000	0.000
006	1/31/2018 09:43:54	0.000	0.000	0.000	0.000
007	1/31/2018 09:44:54	0.000	0.000	0.000	0.000
008	1/31/2018 09:45:54	0.000	0.000	0.000	0.000
009	1/31/2018 09:46:54	0.000	0.000	0.000	0.000
010	1/31/2018 09:47:54	0.000	0.000	0.000	0.000
011	1/31/2018 09:48:54	0.000	0.000	0.000	0.000
012	1/31/2018 09:49:54	0.000	0.000	0.000	0.000
013	1/31/2018 09:50:54	0.000	0.000	0.000	0.000
014	1/31/2018 09:51:54	0.000	0.000	0.000	0.000
015	1/31/2018 09:52:54	0.000	0.000	0.000	0.000
016	1/31/2018 09:53:54	0.000	0.000	0.000	0.000
017	1/31/2018 09:54:54	0.000	0.000	0.000	0.000
018	1/31/2018 09:55:54	0.000	0.000	0.000	0.000
019	1/31/2018 09:56:54	0.000	0.000	0.000	0.000
020	1/31/2018 09:57:54	0.000	0.000	0.000	0.000
021	1/31/2018 09:58:54	0.000	0.000	0.000	0.000
022	1/31/2018 09:59:54	0.000	0.000	0.000	0.000
023	1/31/2018 10:00:54	0.000	0.000	0.000	0.000
024	1/31/2018 10:01:54	0.000	0.000	0.000	0.000
025	1/31/2018 10:02:54	0.000	0.000	0.000	0.000
026	1/31/2018 10:03:54	0.000	0.000	0.000	0.000
027	1/31/2018 10:04:54	0.000	0.000	0.000	0.000
028	1/31/2018 10:05:54	0.000	0.000	0.000	0.000
029	1/31/2018 10:06:54	0.000	0.000	0.000	0.000
030	1/31/2018 10:07:54	0.000	0.000	0.000	0.000

			Pine_24759_20180226		
031	1/31/2018	10:08:54	0.000	0.000	0.000
032	1/31/2018	10:09:54	0.000	0.000	0.000
033	1/31/2018	10:10:54	0.000	0.000	0.000
034	1/31/2018	10:11:54	0.000	0.000	0.000
035	1/31/2018	10:12:54	0.000	0.000	0.000
036	1/31/2018	10:13:54	0.000	0.000	0.000
037	1/31/2018	10:14:54	0.000	0.000	0.000
038	1/31/2018	10:15:54	0.000	0.000	0.000
039	1/31/2018	10:16:54	0.000	0.000	0.000
040	1/31/2018	10:17:54	0.000	0.000	0.000
041	1/31/2018	10:18:54	0.000	0.000	0.000
042	1/31/2018	10:19:54	0.000	0.000	0.000
043	1/31/2018	10:20:54	0.000	0.000	0.000
044	1/31/2018	10:21:54	0.000	0.000	0.000
045	1/31/2018	10:22:54	0.000	0.000	0.000
046	1/31/2018	10:23:54	0.000	0.000	0.000
047	1/31/2018	10:24:54	0.000	0.000	0.000
048	1/31/2018	10:25:54	0.000	0.000	0.000
049	1/31/2018	10:26:54	0.000	0.000	0.000
050	1/31/2018	10:27:54	0.000	0.000	0.000
051	1/31/2018	10:28:54	0.000	0.000	0.000
052	1/31/2018	10:29:54	0.000	0.000	0.000
053	1/31/2018	10:30:54	0.000	0.000	0.000
054	1/31/2018	10:31:54	0.000	0.000	0.000
055	1/31/2018	10:32:54	0.000	0.000	0.000
056	1/31/2018	10:33:54	0.000	0.000	0.000
057	1/31/2018	10:34:54	0.000	0.000	0.000
058	1/31/2018	10:35:54	0.000	0.000	0.000
059	1/31/2018	10:36:54	0.000	0.000	0.000
060	1/31/2018	10:37:54	0.000	0.000	0.000
061	1/31/2018	10:38:54	0.000	0.000	0.000
062	1/31/2018	10:39:54	0.000	0.000	0.000
063	1/31/2018	10:40:54	0.000	0.000	0.000
064	1/31/2018	10:41:54	0.000	0.000	0.000
065	1/31/2018	10:42:54	0.000	0.000	0.000
066	1/31/2018	10:43:54	0.000	0.000	0.000
067	1/31/2018	10:44:54	0.000	0.000	0.000
068	1/31/2018	10:45:54	0.000	0.000	0.000
069	1/31/2018	10:46:54	0.000	0.000	0.000
070	1/31/2018	10:47:54	0.000	0.000	0.000
071	1/31/2018	10:48:54	0.000	0.000	0.000
072	1/31/2018	10:49:54	0.000	0.000	0.000
073	1/31/2018	10:50:54	0.000	0.000	0.000
074	1/31/2018	10:51:54	0.000	0.000	0.000
075	1/31/2018	10:52:54	0.000	0.000	0.000
076	1/31/2018	10:53:54	0.000	0.000	0.000
077	1/31/2018	10:54:54	0.000	0.000	0.000
078	1/31/2018	10:55:54	0.000	0.000	0.000

			Pine_24759_20180226		
079	1/31/2018	10:56:54	0.000	0.000	0.000
080	1/31/2018	10:57:54	0.000	0.000	0.000
081	1/31/2018	10:58:54	0.000	0.000	0.000
082	1/31/2018	10:59:54	0.000	0.000	0.000
083	1/31/2018	11:00:54	0.000	0.000	0.000
084	1/31/2018	11:01:54	0.000	0.000	0.000
085	1/31/2018	11:02:54	0.000	0.000	0.000
086	1/31/2018	11:03:54	0.000	0.000	0.000
087	1/31/2018	11:04:54	0.000	0.000	0.000
088	1/31/2018	11:05:54	0.000	0.000	0.000
089	1/31/2018	11:06:54	0.000	0.000	0.000
090	1/31/2018	11:07:54	0.000	0.000	0.000
091	1/31/2018	11:08:54	0.000	0.000	0.000
092	1/31/2018	11:09:54	0.000	0.000	0.000
093	1/31/2018	11:10:54	0.000	0.000	0.000
094	1/31/2018	11:11:54	0.000	0.000	0.000
095	1/31/2018	11:12:54	0.000	0.000	0.000
096	1/31/2018	11:13:54	0.000	0.000	0.000
097	1/31/2018	11:14:54	0.000	0.000	0.000
098	1/31/2018	11:15:54	0.000	0.000	0.000
099	1/31/2018	11:16:54	0.000	0.000	0.000
100	1/31/2018	11:17:54	0.000	0.000	0.000
101	1/31/2018	11:18:54	0.000	0.000	0.000
102	1/31/2018	11:19:54	0.000	0.000	0.000
103	1/31/2018	11:20:54	0.000	0.000	0.000
104	1/31/2018	11:21:54	0.000	0.000	0.000
105	1/31/2018	11:22:54	0.000	0.000	0.000
106	1/31/2018	11:23:54	0.000	0.000	0.000
107	1/31/2018	11:24:54	0.000	0.000	0.000
108	1/31/2018	11:25:54	0.000	0.000	0.000
109	1/31/2018	11:26:54	0.000	0.000	0.000
110	1/31/2018	11:27:54	0.000	0.000	0.000
111	1/31/2018	11:28:54	0.000	0.000	0.000
112	1/31/2018	11:29:54	0.000	0.000	0.000
113	1/31/2018	11:30:54	0.000	0.000	0.000
114	1/31/2018	11:31:54	0.000	0.000	0.000
115	1/31/2018	11:32:54	0.000	0.000	0.000
116	1/31/2018	11:33:54	0.000	0.000	0.000
117	1/31/2018	11:34:54	0.000	0.000	0.000
118	1/31/2018	11:35:54	0.000	0.000	0.000
119	1/31/2018	11:36:54	0.000	0.000	0.000
120	1/31/2018	11:37:54	0.000	0.000	0.000
121	1/31/2018	11:38:54	0.000	0.000	0.000
122	1/31/2018	11:39:54	0.000	0.000	0.000
123	1/31/2018	11:40:54	0.000	0.000	0.000
124	1/31/2018	11:41:54	0.000	0.000	0.000
125	1/31/2018	11:42:54	0.000	0.000	0.000
126	1/31/2018	11:43:54	0.000	0.000	0.000

			Pine_24759_20180226		
127	1/31/2018	11:44:54	0.000	0.000	0.000
128	1/31/2018	11:45:54	0.000	0.000	0.000
129	1/31/2018	11:46:54	0.000	0.000	0.000
130	1/31/2018	11:47:54	0.000	0.000	0.000
131	1/31/2018	11:48:54	0.000	0.000	0.000
132	1/31/2018	11:49:54	0.000	0.000	0.000
133	1/31/2018	11:50:54	0.000	0.000	0.000
134	1/31/2018	11:51:54	0.000	0.000	0.000
135	1/31/2018	11:52:54	0.000	0.000	0.000
136	1/31/2018	11:53:54	0.000	0.000	0.000
137	1/31/2018	11:54:54	0.000	0.000	0.000
138	1/31/2018	11:55:54	0.000	0.000	0.000
139	1/31/2018	11:56:54	0.000	0.000	0.000
140	1/31/2018	11:57:54	0.000	0.000	0.000
141	1/31/2018	11:58:54	0.000	0.000	0.000
142	1/31/2018	11:59:54	0.000	0.000	0.000
143	1/31/2018	12:00:54	0.000	0.000	0.000
144	1/31/2018	12:01:54	0.000	0.000	0.000
145	1/31/2018	12:02:54	0.000	0.000	0.000
146	1/31/2018	12:03:54	0.000	0.000	0.000
147	1/31/2018	12:04:54	0.000	0.000	0.000
148	1/31/2018	12:05:54	0.000	0.000	0.000
149	1/31/2018	12:06:54	0.000	0.000	0.000
150	1/31/2018	12:07:54	0.000	0.000	0.000
151	1/31/2018	12:08:54	0.000	0.000	0.000
152	1/31/2018	12:09:54	0.000	0.000	0.000
153	1/31/2018	12:10:54	0.000	0.000	0.000
154	1/31/2018	12:11:54	0.000	0.000	0.000
155	1/31/2018	12:12:54	0.000	0.000	0.000
156	1/31/2018	12:13:54	0.000	0.000	0.000
157	1/31/2018	12:14:54	0.000	0.000	0.000
158	1/31/2018	12:15:54	0.000	0.000	0.000
159	1/31/2018	12:16:54	0.000	0.000	0.000
160	1/31/2018	12:17:54	0.000	0.000	0.000
161	1/31/2018	12:18:54	0.000	0.000	0.000
162	1/31/2018	12:19:54	0.000	0.000	0.000
163	1/31/2018	12:20:54	0.000	0.000	0.000
164	1/31/2018	12:21:54	0.000	0.000	0.000
165	1/31/2018	12:22:54	0.000	0.000	0.000
166	1/31/2018	12:23:54	0.000	0.000	0.000
167	1/31/2018	12:24:54	0.000	0.000	0.000
168	1/31/2018	12:25:54	0.000	0.000	0.000
169	1/31/2018	12:26:54	0.000	0.000	0.000
170	1/31/2018	12:27:54	0.000	0.000	0.000
171	1/31/2018	12:28:54	0.000	0.000	0.000
172	1/31/2018	12:29:54	0.000	0.000	0.000
173	1/31/2018	12:30:54	0.000	0.000	0.000
174	1/31/2018	12:31:54	0.000	0.000	0.000

			Pine_24759_20180226		
175	1/31/2018	12:32:54	0.000	0.000	0.000
176	1/31/2018	12:33:54	0.000	0.000	0.000
177	1/31/2018	12:34:54	0.000	0.000	0.000
178	1/31/2018	12:35:54	0.000	0.000	0.000
179	1/31/2018	12:36:54	0.000	0.000	0.000
180	1/31/2018	12:37:54	0.000	0.000	0.000
181	1/31/2018	12:38:54	0.000	0.000	0.000
182	1/31/2018	12:39:54	0.000	0.000	0.000
183	1/31/2018	12:40:54	0.000	0.000	0.000
184	1/31/2018	12:41:54	0.000	0.000	0.000
185	1/31/2018	12:42:54	0.000	0.000	0.000
186	1/31/2018	12:43:54	0.000	0.000	0.000
187	1/31/2018	12:44:54	0.000	0.000	0.000
188	1/31/2018	12:45:54	0.000	0.000	0.000
189	1/31/2018	12:46:54	0.000	0.000	0.000
190	1/31/2018	12:47:54	0.000	0.000	0.000
191	1/31/2018	12:48:54	0.000	0.000	0.000
192	1/31/2018	12:49:54	0.000	0.000	0.000
193	1/31/2018	12:50:54	0.000	0.000	0.000
194	1/31/2018	12:51:54	0.000	0.000	0.000
195	1/31/2018	12:52:54	0.000	0.000	0.000
196	1/31/2018	12:53:54	0.000	0.000	0.000
197	1/31/2018	12:54:54	0.000	0.000	0.000
198	1/31/2018	12:55:54	0.000	0.000	0.000
199	1/31/2018	12:56:54	0.000	0.000	0.000
200	1/31/2018	12:57:54	0.000	0.000	0.000
201	1/31/2018	12:58:54	0.000	0.000	0.000
202	1/31/2018	12:59:54	0.000	0.000	0.000
203	1/31/2018	13:00:54	0.000	0.000	0.000
204	1/31/2018	13:01:54	0.000	0.000	0.000
205	1/31/2018	13:02:54	0.000	0.000	0.000
206	1/31/2018	13:03:54	0.000	0.000	0.000
207	1/31/2018	13:04:54	0.000	0.000	0.000
208	1/31/2018	13:05:54	0.000	0.000	0.000
209	1/31/2018	13:06:54	0.000	0.000	0.000
210	1/31/2018	13:07:54	0.000	0.000	0.000
211	1/31/2018	13:08:54	0.000	0.000	0.000
212	1/31/2018	13:09:54	0.000	0.000	0.000
213	1/31/2018	13:10:54	0.000	0.000	0.000
214	1/31/2018	13:11:54	0.000	0.000	0.000
215	1/31/2018	13:12:54	0.000	0.000	0.000
216	1/31/2018	13:13:54	0.000	0.000	0.000
217	1/31/2018	13:14:54	0.000	0.000	0.000
218	1/31/2018	13:15:54	0.000	0.000	0.000
219	1/31/2018	13:16:54	0.000	0.000	0.000
220	1/31/2018	13:17:54	0.000	0.000	0.000
221	1/31/2018	13:18:54	0.000	0.000	0.000
222	1/31/2018	13:19:54	0.000	0.000	0.000

			Pine_24759_20180226		
223	1/31/2018	13:20:54	0.000	0.000	0.000
224	1/31/2018	13:21:54	0.000	0.000	0.000
225	1/31/2018	13:22:54	0.000	0.000	0.000
226	1/31/2018	13:23:54	0.000	0.000	0.000
227	1/31/2018	13:24:54	0.000	0.000	0.000
228	1/31/2018	13:25:54	0.000	0.000	0.000
229	1/31/2018	13:26:54	0.000	0.000	0.000
230	1/31/2018	13:27:54	0.000	0.000	0.000
231	1/31/2018	13:28:54	0.000	0.000	0.000
232	1/31/2018	13:29:54	0.000	0.000	0.000
233	1/31/2018	13:30:54	0.000	0.000	0.000
234	1/31/2018	13:31:54	0.000	0.000	0.000
235	1/31/2018	13:32:54	0.000	0.000	0.000
236	1/31/2018	13:33:54	0.000	0.000	0.000
237	1/31/2018	13:34:54	0.000	0.000	0.000
238	1/31/2018	13:35:54	0.000	0.000	0.000
239	1/31/2018	13:36:54	0.000	0.000	0.000
240	1/31/2018	13:37:54	0.000	0.000	0.000
241	1/31/2018	13:38:54	0.000	0.000	0.000
242	1/31/2018	13:39:54	0.000	0.000	0.000
243	1/31/2018	13:40:54	0.000	0.000	0.000
244	1/31/2018	13:41:54	0.000	0.000	0.000
245	1/31/2018	13:42:54	0.000	0.000	0.000
246	1/31/2018	13:43:54	0.000	0.000	0.000
247	1/31/2018	13:44:54	0.000	0.000	0.000
248	1/31/2018	13:45:54	0.000	0.000	0.000
249	1/31/2018	13:46:54	0.000	0.000	0.000
250	1/31/2018	13:47:54	0.000	0.000	0.000
251	1/31/2018	13:48:54	0.000	0.000	0.000
252	1/31/2018	13:49:54	0.000	0.000	0.000
253	1/31/2018	13:50:54	0.000	0.000	0.000
254	1/31/2018	13:51:54	0.000	0.000	0.000
255	1/31/2018	13:52:54	0.000	0.000	0.000
256	1/31/2018	13:53:54	0.000	0.000	0.000
257	1/31/2018	13:54:54	0.000	0.000	0.000
258	1/31/2018	13:55:54	0.000	0.000	0.000
259	1/31/2018	13:56:54	0.000	0.000	0.000
260	1/31/2018	13:57:54	0.000	0.000	0.000
261	1/31/2018	13:58:54	0.000	0.000	0.000
262	1/31/2018	13:59:54	0.000	0.000	0.000
263	1/31/2018	14:00:54	0.000	0.000	0.000
264	1/31/2018	14:01:54	0.000	0.000	0.000
265	1/31/2018	14:02:54	0.000	0.000	0.000
266	1/31/2018	14:03:54	0.000	0.000	0.000
267	1/31/2018	14:04:54	0.000	0.000	0.000
268	1/31/2018	14:05:54	0.000	0.000	0.000
269	1/31/2018	14:06:54	0.000	0.000	0.000
270	1/31/2018	14:07:54	0.000	0.000	0.000

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271	1/31/2018	14:08:54	0.000	0.000	0.000
272	1/31/2018	14:09:54	0.000	0.000	0.000
273	1/31/2018	14:10:54	0.000	0.000	0.000
274	1/31/2018	14:11:54	0.000	0.000	0.000
275	1/31/2018	14:12:54	0.000	0.000	0.000
276	1/31/2018	14:13:54	0.000	0.000	0.000
277	1/31/2018	14:14:54	0.000	0.000	0.000
278	1/31/2018	14:15:54	0.000	0.000	0.000
279	1/31/2018	14:16:54	0.000	0.000	0.000
280	1/31/2018	14:17:54	0.000	0.000	0.000
281	1/31/2018	14:18:54	0.000	0.000	0.000
282	1/31/2018	14:19:54	0.000	0.000	0.000
283	1/31/2018	14:20:54	0.000	0.000	0.000
284	1/31/2018	14:21:54	0.000	0.000	0.000
285	1/31/2018	14:22:54	0.000	0.000	0.000
286	1/31/2018	14:23:54	0.000	0.000	0.000
287	1/31/2018	14:24:54	0.000	0.000	0.000
288	1/31/2018	14:25:54	0.000	0.000	0.000
289	1/31/2018	14:26:54	0.000	0.000	0.000
290	1/31/2018	14:27:54	0.000	0.000	0.000
291	1/31/2018	14:28:54	0.000	0.000	0.000
292	1/31/2018	14:29:54	0.000	0.000	0.000
293	1/31/2018	14:30:54	0.000	0.000	0.000
294	1/31/2018	14:31:54	0.000	0.000	0.000
295	1/31/2018	14:32:54	0.000	0.000	0.000
296	1/31/2018	14:33:54	0.000	0.000	0.000
297	1/31/2018	14:34:54	0.000	0.000	0.000
298	1/31/2018	14:35:54	0.000	0.000	0.000
299	1/31/2018	14:36:54	0.000	0.000	0.000
300	1/31/2018	14:37:54	0.000	0.000	0.000
301	1/31/2018	14:38:54	0.000	0.000	0.000
302	1/31/2018	14:39:54	0.000	0.000	0.000
303	1/31/2018	14:40:54	0.000	0.000	0.000
304	1/31/2018	14:41:54	0.000	0.000	0.000
305	1/31/2018	14:42:54	0.000	0.000	0.000
306	1/31/2018	14:43:54	0.000	0.000	0.000
307	1/31/2018	14:44:54	0.000	0.000	0.000
308	1/31/2018	14:45:54	0.000	0.000	0.000
309	1/31/2018	14:46:54	0.000	0.000	0.000
310	1/31/2018	14:47:54	0.000	0.000	0.000
311	1/31/2018	14:48:54	0.000	0.000	0.000
312	1/31/2018	14:49:54	0.000	0.000	0.000
313	1/31/2018	14:50:54	0.000	0.000	0.000
314	1/31/2018	14:51:54	0.000	0.000	0.000
315	1/31/2018	14:52:54	0.000	0.000	0.000
316	1/31/2018	14:53:54	0.000	0.000	0.000
317	1/31/2018	14:54:54	0.000	0.000	0.000
318	1/31/2018	14:55:54	0.000	0.000	0.000

			Pine_24759_20180226		
319	1/31/2018	14:56:54	0.000	0.000	0.000
320	1/31/2018	14:57:54	0.000	0.000	0.000
321	1/31/2018	14:58:54	0.000	0.000	0.000
322	1/31/2018	14:59:54	0.000	0.000	0.000
323	1/31/2018	15:00:54	0.000	0.000	0.000
324	1/31/2018	15:01:54	0.000	0.000	0.000
325	1/31/2018	15:02:54	0.000	0.000	0.000
326	1/31/2018	15:03:54	0.000	0.000	0.000
327	1/31/2018	15:04:54	0.000	0.000	0.000
328	1/31/2018	15:05:54	0.000	0.000	0.000
329	1/31/2018	15:06:54	0.000	0.000	0.000
330	1/31/2018	15:07:54	0.000	0.000	0.000
331	1/31/2018	15:08:54	0.000	0.000	0.000
332	1/31/2018	15:09:54	0.000	0.000	0.000
333	1/31/2018	15:10:54	0.000	0.000	0.000
334	1/31/2018	15:11:54	0.000	0.000	0.000
335	1/31/2018	15:12:54	0.000	0.000	0.000
336	1/31/2018	15:13:54	0.000	0.000	0.000
337	1/31/2018	15:14:54	0.000	0.000	0.000
338	1/31/2018	15:15:54	0.000	0.000	0.000
339	1/31/2018	15:16:54	0.000	0.000	0.000
340	1/31/2018	15:17:54	0.000	0.000	0.000
341	1/31/2018	15:18:54	0.000	0.000	0.000
342	1/31/2018	15:19:54	0.000	0.000	0.000
343	1/31/2018	15:20:54	0.000	0.000	0.000
344	1/31/2018	15:21:54	0.000	0.000	0.000
345	1/31/2018	15:22:54	0.000	0.000	0.000
346	1/31/2018	15:23:54	0.000	0.000	0.000
347	1/31/2018	15:24:54	0.000	0.000	0.000
348	1/31/2018	15:25:54	0.000	0.000	0.000
349	1/31/2018	15:26:54	0.000	0.000	0.000
350	1/31/2018	15:27:54	0.000	0.000	0.000
351	1/31/2018	15:28:54	0.000	0.000	0.000
352	1/31/2018	15:29:54	0.000	0.000	0.000
353	1/31/2018	15:30:54	0.000	0.000	0.000
354	1/31/2018	15:31:54	0.000	0.000	0.000
355	1/31/2018	15:32:54	0.000	0.000	0.000
356	1/31/2018	15:33:54	0.000	0.000	0.000
357	1/31/2018	15:34:54	0.000	0.000	0.000
358	1/31/2018	15:35:54	0.000	0.000	0.000
359	1/31/2018	15:36:54	0.000	0.000	0.000
360	1/31/2018	15:37:54	0.000	0.000	0.000
361	1/31/2018	15:38:54	0.000	0.000	0.000
362	1/31/2018	15:39:54	0.000	0.000	0.000
363	1/31/2018	15:40:54	0.000	0.009	0.019
364	1/31/2018	15:41:54	0.000	0.005	0.013
Peak		0.000	0.009	0.019	
Min		0.000	0.000	0.000	

Pine_24759_20180226
Average 0.000 0.000 0.000

=====

18/02/01 09:24

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin 2/1/2018 09:24:13
End 2/1/2018 16:03:31
Sample Period(s) 60
Number of Records 399

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	2/1/2018 09:25:13	0.000	0.000	0.000	0.000
002	2/1/2018 09:26:13	0.000	0.000	0.000	0.000
003	2/1/2018 09:27:13	0.000	0.000	0.000	0.000
004	2/1/2018 09:28:13	0.000	0.000	0.000	0.000

		Pine_24759_20180226			
005	2/1/2018 09:29:13	0.000	0.000	0.000	
006	2/1/2018 09:30:13	0.000	0.000	0.000	
007	2/1/2018 09:31:13	0.000	0.000	0.000	
008	2/1/2018 09:32:13	0.000	0.000	0.000	
009	2/1/2018 09:33:13	0.000	0.000	0.000	
010	2/1/2018 09:34:13	0.000	0.000	0.000	
011	2/1/2018 09:35:13	0.000	0.000	0.000	
012	2/1/2018 09:36:13	0.000	0.000	0.000	
013	2/1/2018 09:37:13	0.000	0.000	0.000	
014	2/1/2018 09:38:13	0.000	0.000	0.000	
015	2/1/2018 09:39:13	0.000	0.000	0.000	
016	2/1/2018 09:40:13	0.000	0.000	0.000	
017	2/1/2018 09:41:13	0.000	0.000	0.000	
018	2/1/2018 09:42:13	0.000	0.000	0.000	
019	2/1/2018 09:43:13	0.000	0.000	0.000	
020	2/1/2018 09:44:13	0.000	0.000	0.000	
021	2/1/2018 09:45:13	0.000	0.000	0.000	
022	2/1/2018 09:46:13	0.000	0.000	0.000	
023	2/1/2018 09:47:13	0.000	0.000	0.000	
024	2/1/2018 09:48:13	0.000	0.000	0.000	
025	2/1/2018 09:49:13	0.000	0.000	0.000	
026	2/1/2018 09:50:13	0.000	0.000	0.000	
027	2/1/2018 09:51:13	0.000	0.000	0.000	
028	2/1/2018 09:52:13	0.000	0.000	0.000	
029	2/1/2018 09:53:13	0.000	0.000	0.000	
030	2/1/2018 09:54:13	0.000	0.000	0.000	
031	2/1/2018 09:55:13	0.000	0.000	0.000	
032	2/1/2018 09:56:13	0.000	0.000	0.000	
033	2/1/2018 09:57:13	0.000	0.000	0.000	
034	2/1/2018 09:58:13	0.000	0.000	0.000	
035	2/1/2018 09:59:13	0.000	0.000	0.000	
036	2/1/2018 10:00:13	0.000	0.000	0.000	
037	2/1/2018 10:01:13	0.000	0.000	0.000	
038	2/1/2018 10:02:13	0.000	0.000	0.000	
039	2/1/2018 10:03:13	0.000	0.000	0.000	
040	2/1/2018 10:04:13	0.000	0.000	0.000	
041	2/1/2018 10:05:13	0.000	0.000	0.000	
042	2/1/2018 10:06:13	0.000	0.000	0.000	
043	2/1/2018 10:07:13	0.000	0.000	0.000	
044	2/1/2018 10:08:13	0.000	0.000	0.000	
045	2/1/2018 10:09:13	0.000	0.000	0.000	
046	2/1/2018 10:10:13	0.000	0.000	0.000	
047	2/1/2018 10:11:13	0.000	0.000	0.000	
048	2/1/2018 10:12:13	0.000	0.000	0.000	
049	2/1/2018 10:13:13	0.000	0.000	0.000	
050	2/1/2018 10:14:13	0.000	0.000	0.000	
051	2/1/2018 10:15:13	0.000	0.000	0.000	
052	2/1/2018 10:16:13	0.000	0.000	0.000	

			Pine_24759_20180226		
053	2/1/2018	10:17:13	0.000	0.000	0.000
054	2/1/2018	10:18:13	0.000	0.000	0.000
055	2/1/2018	10:19:13	0.000	0.000	0.000
056	2/1/2018	10:20:13	0.000	0.000	0.000
057	2/1/2018	10:21:13	0.000	0.000	0.000
058	2/1/2018	10:22:13	0.000	0.000	0.000
059	2/1/2018	10:23:13	0.000	0.000	0.000
060	2/1/2018	10:24:13	0.000	0.000	0.000
061	2/1/2018	10:25:13	0.000	0.000	0.000
062	2/1/2018	10:26:13	0.000	0.000	0.000
063	2/1/2018	10:27:13	0.000	0.000	0.000
064	2/1/2018	10:28:13	0.000	0.000	0.000
065	2/1/2018	10:29:13	0.000	0.000	0.000
066	2/1/2018	10:30:13	0.000	0.000	0.000
067	2/1/2018	10:31:13	0.000	0.000	0.000
068	2/1/2018	10:32:13	0.000	0.000	0.000
069	2/1/2018	10:33:13	0.000	0.000	0.000
070	2/1/2018	10:34:13	0.000	0.000	0.000
071	2/1/2018	10:35:13	0.000	0.000	0.000
072	2/1/2018	10:36:13	0.000	0.000	0.000
073	2/1/2018	10:37:13	0.000	0.000	0.000
074	2/1/2018	10:38:13	0.000	0.000	0.000
075	2/1/2018	10:39:13	0.000	0.000	0.000
076	2/1/2018	10:40:13	0.000	0.000	0.000
077	2/1/2018	10:41:13	0.000	0.000	0.000
078	2/1/2018	10:42:13	0.000	0.000	0.000
079	2/1/2018	10:43:13	0.000	0.000	0.000
080	2/1/2018	10:44:13	0.000	0.000	0.000
081	2/1/2018	10:45:13	0.000	0.000	0.000
082	2/1/2018	10:46:13	0.000	0.000	0.000
083	2/1/2018	10:47:13	0.000	0.000	0.000
084	2/1/2018	10:48:13	0.000	0.000	0.000
085	2/1/2018	10:49:13	0.000	0.000	0.000
086	2/1/2018	10:50:13	0.000	0.000	0.000
087	2/1/2018	10:51:13	0.000	0.000	0.000
088	2/1/2018	10:52:13	0.000	0.000	0.000
089	2/1/2018	10:53:13	0.000	0.000	0.000
090	2/1/2018	10:54:13	0.000	0.000	0.000
091	2/1/2018	10:55:13	0.000	0.000	0.000
092	2/1/2018	10:56:13	0.000	0.000	0.000
093	2/1/2018	10:57:13	0.000	0.000	0.000
094	2/1/2018	10:58:13	0.000	0.000	0.000
095	2/1/2018	10:59:13	0.000	0.000	0.000
096	2/1/2018	11:00:13	0.000	0.000	0.000
097	2/1/2018	11:01:13	0.000	0.000	0.000
098	2/1/2018	11:02:13	0.000	0.000	0.000
099	2/1/2018	11:03:13	0.000	0.000	0.000
100	2/1/2018	11:04:13	0.000	0.000	0.000

			Pine_24759_20180226		
101	2/1/2018	11:05:13	0.000	0.000	0.000
102	2/1/2018	11:06:13	0.000	0.000	0.000
103	2/1/2018	11:07:13	0.000	0.000	0.000
104	2/1/2018	11:08:13	0.000	0.000	0.000
105	2/1/2018	11:09:13	0.000	0.000	0.000
106	2/1/2018	11:10:13	0.000	0.000	0.000
107	2/1/2018	11:11:13	0.000	0.000	0.000
108	2/1/2018	11:12:13	0.000	0.000	0.000
109	2/1/2018	11:13:13	0.000	0.000	0.000
110	2/1/2018	11:14:13	0.000	0.000	0.000
111	2/1/2018	11:15:13	0.000	0.000	0.000
112	2/1/2018	11:16:13	0.000	0.000	0.000
113	2/1/2018	11:17:13	0.000	0.000	0.000
114	2/1/2018	11:18:13	0.000	0.000	0.000
115	2/1/2018	11:19:13	0.000	0.000	0.000
116	2/1/2018	11:20:13	0.000	0.033	0.263
117	2/1/2018	11:21:13	0.000	0.000	0.000
118	2/1/2018	11:22:13	0.000	0.000	0.000
119	2/1/2018	11:23:13	0.000	0.000	0.000
120	2/1/2018	11:24:13	0.000	0.000	0.000
121	2/1/2018	11:25:13	0.000	0.000	0.000
122	2/1/2018	11:26:13	0.000	0.000	0.000
123	2/1/2018	11:27:13	0.000	0.000	0.000
124	2/1/2018	11:28:13	0.000	0.000	0.000
125	2/1/2018	11:29:13	0.000	0.000	0.000
126	2/1/2018	11:30:13	0.000	0.000	0.000
127	2/1/2018	11:31:13	0.000	0.000	0.000
128	2/1/2018	11:32:13	0.000	0.000	0.000
129	2/1/2018	11:33:13	0.000	0.000	0.000
130	2/1/2018	11:34:13	0.000	0.000	0.000
131	2/1/2018	11:35:13	0.000	0.000	0.000
132	2/1/2018	11:36:13	0.000	0.000	0.000
133	2/1/2018	11:37:13	0.000	0.000	0.000
134	2/1/2018	11:38:13	0.000	0.000	0.000
135	2/1/2018	11:39:13	0.000	0.000	0.000
136	2/1/2018	11:40:13	0.000	0.000	0.000
137	2/1/2018	11:41:13	0.000	0.000	0.000
138	2/1/2018	11:42:13	0.000	0.000	0.000
139	2/1/2018	11:43:13	0.000	0.000	0.000
140	2/1/2018	11:44:13	0.000	0.000	0.000
141	2/1/2018	11:45:13	0.000	0.000	0.000
142	2/1/2018	11:46:13	0.000	0.000	0.000
143	2/1/2018	11:47:13	0.000	0.000	0.000
144	2/1/2018	11:48:13	0.000	0.000	0.000
145	2/1/2018	11:49:13	0.000	0.000	0.000
146	2/1/2018	11:50:13	0.000	0.000	0.000
147	2/1/2018	11:51:13	0.000	0.000	0.000
148	2/1/2018	11:52:13	0.000	0.000	0.000

			Pine_24759_20180226		
149	2/1/2018	11:53:13	0.000	0.000	0.000
150	2/1/2018	11:54:13	0.000	0.000	0.000
151	2/1/2018	11:55:13	0.000	0.000	0.000
152	2/1/2018	11:56:13	0.000	0.000	0.000
153	2/1/2018	11:57:13	0.000	0.000	0.000
154	2/1/2018	11:58:13	0.000	0.000	0.000
155	2/1/2018	11:59:13	0.000	0.000	0.000
156	2/1/2018	12:00:13	0.000	0.000	0.000
157	2/1/2018	12:01:13	0.000	0.000	0.000
158	2/1/2018	12:02:13	0.000	0.000	0.000
159	2/1/2018	12:03:13	0.000	0.000	0.000
160	2/1/2018	12:04:13	0.000	0.000	0.000
161	2/1/2018	12:05:13	0.000	0.000	0.000
162	2/1/2018	12:06:13	0.000	0.000	0.000
163	2/1/2018	12:07:13	0.000	0.000	0.000
164	2/1/2018	12:08:13	0.000	0.000	0.000
165	2/1/2018	12:09:13	0.000	0.000	0.000
166	2/1/2018	12:10:13	0.000	0.000	0.000
167	2/1/2018	12:11:13	0.000	0.000	0.000
168	2/1/2018	12:12:13	0.000	0.000	0.000
169	2/1/2018	12:13:13	0.000	0.000	0.000
170	2/1/2018	12:14:13	0.000	0.000	0.000
171	2/1/2018	12:15:13	0.000	0.000	0.000
172	2/1/2018	12:16:13	0.000	0.000	0.000
173	2/1/2018	12:17:13	0.000	0.000	0.000
174	2/1/2018	12:18:13	0.000	0.000	0.000
175	2/1/2018	12:19:13	0.000	0.000	0.000
176	2/1/2018	12:20:13	0.000	0.000	0.000
177	2/1/2018	12:21:13	0.000	0.000	0.000
178	2/1/2018	12:22:13	0.000	0.000	0.000
179	2/1/2018	12:23:13	0.000	0.000	0.000
180	2/1/2018	12:24:13	0.000	0.000	0.000
181	2/1/2018	12:25:13	0.000	0.000	0.000
182	2/1/2018	12:26:13	0.000	0.000	0.000
183	2/1/2018	12:27:13	0.000	0.000	0.000
184	2/1/2018	12:28:13	0.000	0.000	0.000
185	2/1/2018	12:29:13	0.000	0.000	0.000
186	2/1/2018	12:30:13	0.000	0.000	0.000
187	2/1/2018	12:31:13	0.000	0.000	0.000
188	2/1/2018	12:32:13	0.000	0.000	0.000
189	2/1/2018	12:33:13	0.000	0.000	0.000
190	2/1/2018	12:34:13	0.000	0.000	0.000
191	2/1/2018	12:35:13	0.000	0.000	0.000
192	2/1/2018	12:36:13	0.000	0.000	0.000
193	2/1/2018	12:37:13	0.000	0.000	0.000
194	2/1/2018	12:38:13	0.000	0.000	0.000
195	2/1/2018	12:39:13	0.000	0.000	0.000
196	2/1/2018	12:40:13	0.000	0.000	0.000

			Pine_24759_20180226		
197	2/1/2018	12:41:13	0.000	0.000	0.000
198	2/1/2018	12:42:13	0.000	0.000	0.000
199	2/1/2018	12:43:13	0.000	0.000	0.000
200	2/1/2018	12:44:13	0.000	0.000	0.000
201	2/1/2018	12:45:13	0.000	0.000	0.000
202	2/1/2018	12:46:13	0.000	0.000	0.000
203	2/1/2018	12:47:13	0.000	0.000	0.000
204	2/1/2018	12:48:13	0.000	0.000	0.000
205	2/1/2018	12:49:13	0.000	0.000	0.000
206	2/1/2018	12:50:13	0.000	0.000	0.000
207	2/1/2018	12:51:13	0.000	0.000	0.000
208	2/1/2018	12:52:13	0.000	0.000	0.000
209	2/1/2018	12:53:13	0.000	0.000	0.000
210	2/1/2018	12:54:13	0.000	0.000	0.000
211	2/1/2018	12:55:13	0.000	0.000	0.000
212	2/1/2018	12:56:13	0.000	0.000	0.000
213	2/1/2018	12:57:13	0.000	0.000	0.000
214	2/1/2018	12:58:13	0.000	0.000	0.000
215	2/1/2018	12:59:13	0.000	0.000	0.000
216	2/1/2018	13:00:13	0.000	0.000	0.000
217	2/1/2018	13:01:13	0.000	0.000	0.000
218	2/1/2018	13:02:13	0.000	0.000	0.000
219	2/1/2018	13:03:13	0.000	0.000	0.000
220	2/1/2018	13:04:13	0.000	0.000	0.000
221	2/1/2018	13:05:13	0.000	0.000	0.000
222	2/1/2018	13:06:13	0.000	0.000	0.000
223	2/1/2018	13:07:13	0.000	0.000	0.000
224	2/1/2018	13:08:13	0.000	0.000	0.000
225	2/1/2018	13:09:13	0.000	0.000	0.000
226	2/1/2018	13:10:13	0.000	0.000	0.000
227	2/1/2018	13:11:13	0.000	0.000	0.000
228	2/1/2018	13:12:13	0.000	0.000	0.000
229	2/1/2018	13:13:13	0.000	0.000	0.000
230	2/1/2018	13:14:13	0.000	0.000	0.000
231	2/1/2018	13:15:13	0.000	0.000	0.000
232	2/1/2018	13:16:13	0.000	0.000	0.000
233	2/1/2018	13:17:13	0.000	0.000	0.000
234	2/1/2018	13:18:13	0.000	0.000	0.000
235	2/1/2018	13:19:13	0.000	0.000	0.000
236	2/1/2018	13:20:13	0.000	0.000	0.000
237	2/1/2018	13:21:13	0.000	0.000	0.000
238	2/1/2018	13:22:13	0.000	0.000	0.000
239	2/1/2018	13:23:13	0.000	0.000	0.000
240	2/1/2018	13:24:13	0.000	0.000	0.000
241	2/1/2018	13:25:13	0.000	0.000	0.000
242	2/1/2018	13:26:13	0.000	0.000	0.000
243	2/1/2018	13:27:13	0.000	0.000	0.000
244	2/1/2018	13:28:13	0.000	0.000	0.000

			Pine_24759_20180226		
245	2/1/2018	13:29:13	0.000	0.000	0.000
246	2/1/2018	13:30:13	0.000	0.000	0.000
247	2/1/2018	13:31:13	0.000	0.000	0.000
248	2/1/2018	13:32:13	0.000	0.000	0.000
249	2/1/2018	13:33:13	0.000	0.000	0.000
250	2/1/2018	13:34:13	0.000	0.000	0.000
251	2/1/2018	13:35:13	0.000	0.000	0.000
252	2/1/2018	13:36:13	0.000	0.000	0.000
253	2/1/2018	13:37:13	0.000	0.000	0.000
254	2/1/2018	13:38:13	0.000	0.000	0.000
255	2/1/2018	13:39:13	0.000	0.000	0.000
256	2/1/2018	13:40:13	0.000	0.000	0.000
257	2/1/2018	13:41:13	0.000	0.000	0.000
258	2/1/2018	13:42:13	0.000	0.000	0.000
259	2/1/2018	13:43:13	0.000	0.000	0.000
260	2/1/2018	13:44:13	0.000	0.000	0.000
261	2/1/2018	13:45:13	0.000	0.000	0.000
262	2/1/2018	13:46:13	0.000	0.000	0.000
263	2/1/2018	13:47:13	0.000	0.000	0.000
264	2/1/2018	13:48:13	0.000	0.000	0.000
265	2/1/2018	13:49:13	0.000	0.000	0.000
266	2/1/2018	13:50:13	0.000	0.000	0.000
267	2/1/2018	13:51:13	0.000	0.000	0.000
268	2/1/2018	13:52:13	0.000	0.000	0.000
269	2/1/2018	13:53:13	0.000	0.000	0.000
270	2/1/2018	13:54:13	0.000	0.000	0.000
271	2/1/2018	13:55:13	0.000	0.000	0.000
272	2/1/2018	13:56:13	0.000	0.000	0.000
273	2/1/2018	13:57:13	0.000	0.000	0.000
274	2/1/2018	13:58:13	0.000	0.000	0.000
275	2/1/2018	13:59:13	0.000	0.000	0.000
276	2/1/2018	14:00:13	0.000	0.000	0.000
277	2/1/2018	14:01:13	0.000	0.000	0.000
278	2/1/2018	14:02:13	0.000	0.000	0.000
279	2/1/2018	14:03:13	0.000	0.000	0.000
280	2/1/2018	14:04:13	0.000	0.000	0.000
281	2/1/2018	14:05:13	0.000	0.000	0.000
282	2/1/2018	14:06:13	0.000	0.000	0.000
283	2/1/2018	14:07:13	0.000	0.000	0.000
284	2/1/2018	14:08:13	0.000	0.000	0.000
285	2/1/2018	14:09:13	0.000	0.000	0.000
286	2/1/2018	14:10:13	0.000	0.000	0.000
287	2/1/2018	14:11:13	0.000	0.000	0.000
288	2/1/2018	14:12:13	0.000	0.000	0.000
289	2/1/2018	14:13:13	0.000	0.000	0.000
290	2/1/2018	14:14:13	0.000	0.000	0.000
291	2/1/2018	14:15:13	0.000	0.000	0.000
292	2/1/2018	14:16:13	0.000	0.000	0.000

			Pine_24759_20180226		
293	2/1/2018	14:17:13	0.000	0.000	0.000
294	2/1/2018	14:18:13	0.000	0.000	0.000
295	2/1/2018	14:19:13	0.000	0.000	0.000
296	2/1/2018	14:20:13	0.000	0.000	0.000
297	2/1/2018	14:21:13	0.000	0.000	0.000
298	2/1/2018	14:22:13	0.000	0.000	0.000
299	2/1/2018	14:23:13	0.000	0.000	0.000
300	2/1/2018	14:24:13	0.000	0.000	0.000
301	2/1/2018	14:25:13	0.000	0.000	0.000
302	2/1/2018	14:26:13	0.000	0.000	0.000
303	2/1/2018	14:27:13	0.000	0.000	0.000
304	2/1/2018	14:28:13	0.000	0.000	0.000
305	2/1/2018	14:29:13	0.000	0.000	0.000
306	2/1/2018	14:30:13	0.000	0.000	0.000
307	2/1/2018	14:31:13	0.000	0.000	0.000
308	2/1/2018	14:32:13	0.000	0.000	0.000
309	2/1/2018	14:33:13	0.000	0.000	0.000
310	2/1/2018	14:34:13	0.000	0.000	0.000
311	2/1/2018	14:35:13	0.000	0.000	0.000
312	2/1/2018	14:36:13	0.000	0.000	0.000
313	2/1/2018	14:37:13	0.000	0.000	0.000
314	2/1/2018	14:38:13	0.000	0.000	0.000
315	2/1/2018	14:39:13	0.000	0.000	0.000
316	2/1/2018	14:40:13	0.000	0.000	0.000
317	2/1/2018	14:41:13	0.000	0.000	0.000
318	2/1/2018	14:42:13	0.000	0.000	0.000
319	2/1/2018	14:43:13	0.000	0.000	0.000
320	2/1/2018	14:44:13	0.000	0.000	0.000
321	2/1/2018	14:45:13	0.000	0.000	0.000
322	2/1/2018	14:46:13	0.000	0.000	0.000
323	2/1/2018	14:47:13	0.000	0.000	0.000
324	2/1/2018	14:48:13	0.000	0.000	0.000
325	2/1/2018	14:49:13	0.000	0.000	0.000
326	2/1/2018	14:50:13	0.000	0.000	0.000
327	2/1/2018	14:51:13	0.000	0.000	0.000
328	2/1/2018	14:52:13	0.000	0.000	0.000
329	2/1/2018	14:53:13	0.000	0.000	0.000
330	2/1/2018	14:54:13	0.000	0.000	0.000
331	2/1/2018	14:55:13	0.000	0.000	0.000
332	2/1/2018	14:56:13	0.000	0.000	0.000
333	2/1/2018	14:57:13	0.000	0.000	0.000
334	2/1/2018	14:58:13	0.000	0.000	0.000
335	2/1/2018	14:59:13	0.000	0.000	0.000
336	2/1/2018	15:00:13	0.000	0.000	0.000
337	2/1/2018	15:01:13	0.000	0.000	0.000
338	2/1/2018	15:02:13	0.000	0.000	0.000
339	2/1/2018	15:03:13	0.000	0.000	0.000
340	2/1/2018	15:04:13	0.000	0.000	0.000

			Pine_24759_20180226		
341	2/1/2018	15:05:13	0.000	0.000	0.000
342	2/1/2018	15:06:13	0.000	0.000	0.000
343	2/1/2018	15:07:13	0.000	0.000	0.000
344	2/1/2018	15:08:13	0.000	0.000	0.000
345	2/1/2018	15:09:13	0.000	0.000	0.000
346	2/1/2018	15:10:13	0.000	0.000	0.000
347	2/1/2018	15:11:13	0.000	0.000	0.000
348	2/1/2018	15:12:13	0.000	0.000	0.000
349	2/1/2018	15:13:13	0.000	0.000	0.000
350	2/1/2018	15:14:13	0.000	0.000	0.000
351	2/1/2018	15:15:13	0.000	0.000	0.000
352	2/1/2018	15:16:13	0.000	0.000	0.000
353	2/1/2018	15:17:13	0.000	0.000	0.000
354	2/1/2018	15:18:13	0.000	0.000	0.000
355	2/1/2018	15:19:13	0.000	0.000	0.000
356	2/1/2018	15:20:13	0.000	0.000	0.000
357	2/1/2018	15:21:13	0.000	0.000	0.000
358	2/1/2018	15:22:13	0.000	0.000	0.000
359	2/1/2018	15:23:13	0.000	0.000	0.000
360	2/1/2018	15:24:13	0.000	0.000	0.000
361	2/1/2018	15:25:13	0.000	0.000	0.000
362	2/1/2018	15:26:13	0.000	0.000	0.000
363	2/1/2018	15:27:13	0.000	0.000	0.000
364	2/1/2018	15:28:13	0.000	0.000	0.000
365	2/1/2018	15:29:13	0.000	0.000	0.000
366	2/1/2018	15:30:13	0.000	0.000	0.000
367	2/1/2018	15:31:13	0.000	0.000	0.000
368	2/1/2018	15:32:13	0.000	0.000	0.000
369	2/1/2018	15:33:13	0.000	0.000	0.000
370	2/1/2018	15:34:13	0.000	0.000	0.000
371	2/1/2018	15:35:13	0.000	0.000	0.000
372	2/1/2018	15:36:13	0.000	0.000	0.000
373	2/1/2018	15:37:13	0.000	0.000	0.000
374	2/1/2018	15:38:13	0.000	0.000	0.000
375	2/1/2018	15:39:13	0.000	0.000	0.000
376	2/1/2018	15:40:13	0.000	0.000	0.000
377	2/1/2018	15:41:13	0.000	0.000	0.000
378	2/1/2018	15:42:13	0.000	0.000	0.000
379	2/1/2018	15:43:13	0.000	0.000	0.000
380	2/1/2018	15:44:13	0.000	0.000	0.000
381	2/1/2018	15:45:13	0.000	0.000	0.000
382	2/1/2018	15:46:13	0.000	0.000	0.000
383	2/1/2018	15:47:13	0.000	0.000	0.000
384	2/1/2018	15:48:13	0.000	0.000	0.000
385	2/1/2018	15:49:13	0.000	0.000	0.000
386	2/1/2018	15:50:13	0.000	0.000	0.000
387	2/1/2018	15:51:13	0.000	0.000	0.000
388	2/1/2018	15:52:13	0.000	0.000	0.000

			Pine_24759_20180226		
389	2/1/2018	15:53:13	0.000	0.000	0.000
390	2/1/2018	15:54:13	0.000	0.035	0.144
391	2/1/2018	15:55:13	0.095	0.119	0.129
392	2/1/2018	15:56:13	0.097	0.114	0.127
393	2/1/2018	15:57:13	0.109	0.117	0.124
394	2/1/2018	15:58:13	0.055	0.092	0.123
395	2/1/2018	15:59:13	0.005	0.026	0.057
396	2/1/2018	16:00:13	0.008	0.015	0.022
397	2/1/2018	16:01:13	0.008	0.012	0.017
398	2/1/2018	16:02:13	0.011	0.013	0.015
399	2/1/2018	16:03:13	0.012	0.021	0.028
Peak		0.109	0.119	0.263	
Min		0.000	0.000	0.000	
Average		0.001	0.001	0.003	

=====
18/02/02 10:11

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin 2/2/2018 10:11:18
End 2/2/2018 16:30:01
Sample Period(s) 60
Number of Records 378

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene

Calibration Time 11/3/2017 08:06

Peak N/A

Min N/A

Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	2/2/2018 10:12:18		0.000	0.000	0.000
002	2/2/2018 10:13:18		0.000	0.000	0.000
003	2/2/2018 10:14:18		0.000	0.000	0.000
004	2/2/2018 10:15:18		0.000	0.000	0.000
005	2/2/2018 10:16:18		0.000	0.000	0.000
006	2/2/2018 10:17:18		0.000	0.000	0.000
007	2/2/2018 10:18:18		0.000	0.000	0.000
008	2/2/2018 10:19:18		0.000	0.000	0.000
009	2/2/2018 10:20:18		0.000	0.000	0.000
010	2/2/2018 10:21:18		0.000	0.000	0.000
011	2/2/2018 10:22:18		0.000	0.000	0.000
012	2/2/2018 10:23:18		0.000	0.000	0.000
013	2/2/2018 10:24:18		0.000	0.000	0.000
014	2/2/2018 10:25:18		0.000	0.000	0.000
015	2/2/2018 10:26:18		0.000	0.000	0.000
016	2/2/2018 10:27:18		0.000	0.000	0.000
017	2/2/2018 10:28:18		0.000	0.000	0.000
018	2/2/2018 10:29:18		0.000	0.000	0.001
019	2/2/2018 10:30:18		0.000	0.000	0.000
020	2/2/2018 10:31:18		0.000	0.000	0.000
021	2/2/2018 10:32:18		0.000	0.000	0.000
022	2/2/2018 10:33:18		0.000	0.000	0.000
023	2/2/2018 10:34:18		0.000	0.000	0.000
024	2/2/2018 10:35:18		0.000	0.000	0.000
025	2/2/2018 10:36:18		0.000	0.000	0.000
026	2/2/2018 10:37:18		0.000	0.000	0.000
027	2/2/2018 10:38:18		0.000	0.000	0.000
028	2/2/2018 10:39:18		0.000	0.000	0.000
029	2/2/2018 10:40:18		0.000	0.000	0.000
030	2/2/2018 10:41:18		0.000	0.000	0.000
031	2/2/2018 10:42:18		0.000	0.000	0.000
032	2/2/2018 10:43:18		0.000	0.000	0.000
033	2/2/2018 10:44:18		0.000	0.000	0.000
034	2/2/2018 10:45:18		0.000	0.000	0.000
035	2/2/2018 10:46:18		0.000	0.000	0.000
036	2/2/2018 10:47:18		0.000	0.000	0.000
037	2/2/2018 10:48:18		0.000	0.000	0.000
038	2/2/2018 10:49:18		0.000	0.000	0.000
039	2/2/2018 10:50:18		0.000	0.000	0.000

			Pine_24759_20180226		
040	2/2/2018	10:51:18	0.000	0.000	0.000
041	2/2/2018	10:52:18	0.000	0.000	0.000
042	2/2/2018	10:53:18	0.000	0.000	0.000
043	2/2/2018	10:54:18	0.000	0.000	0.000
044	2/2/2018	10:55:18	0.000	0.000	0.000
045	2/2/2018	10:56:18	0.000	0.000	0.000
046	2/2/2018	10:57:18	0.000	0.000	0.000
047	2/2/2018	10:58:18	0.000	0.000	0.000
048	2/2/2018	10:59:18	0.000	0.000	0.000
049	2/2/2018	11:00:18	0.000	0.000	0.000
050	2/2/2018	11:01:18	0.000	0.000	0.000
051	2/2/2018	11:02:18	0.000	0.000	0.000
052	2/2/2018	11:03:18	0.000	0.000	0.000
053	2/2/2018	11:04:18	0.000	0.000	0.000
054	2/2/2018	11:05:18	0.000	0.000	0.000
055	2/2/2018	11:06:18	0.000	0.000	0.000
056	2/2/2018	11:07:18	0.000	0.000	0.000
057	2/2/2018	11:08:18	0.000	0.000	0.000
058	2/2/2018	11:09:18	0.000	0.000	0.000
059	2/2/2018	11:10:18	0.000	0.000	0.000
060	2/2/2018	11:11:18	0.000	0.000	0.000
061	2/2/2018	11:12:18	0.000	0.000	0.000
062	2/2/2018	11:13:18	0.000	0.000	0.000
063	2/2/2018	11:14:18	0.000	0.000	0.000
064	2/2/2018	11:15:18	0.000	0.000	0.000
065	2/2/2018	11:16:18	0.000	0.000	0.000
066	2/2/2018	11:17:18	0.000	0.000	0.000
067	2/2/2018	11:18:18	0.000	0.000	0.000
068	2/2/2018	11:19:18	0.000	0.000	0.000
069	2/2/2018	11:20:18	0.000	0.000	0.000
070	2/2/2018	11:21:18	0.000	0.000	0.000
071	2/2/2018	11:22:18	0.000	0.000	0.000
072	2/2/2018	11:23:18	0.000	0.000	0.000
073	2/2/2018	11:24:18	0.000	0.000	0.000
074	2/2/2018	11:25:18	0.000	0.000	0.000
075	2/2/2018	11:26:18	0.000	0.000	0.000
076	2/2/2018	11:27:18	0.000	0.000	0.000
077	2/2/2018	11:28:18	0.000	0.000	0.000
078	2/2/2018	11:29:18	0.000	0.000	0.000
079	2/2/2018	11:30:18	0.000	0.000	0.000
080	2/2/2018	11:31:18	0.000	0.000	0.000
081	2/2/2018	11:32:18	0.000	0.000	0.000
082	2/2/2018	11:33:18	0.000	0.000	0.000
083	2/2/2018	11:34:18	0.000	0.000	0.000
084	2/2/2018	11:35:18	0.000	0.000	0.000
085	2/2/2018	11:36:18	0.000	0.000	0.000
086	2/2/2018	11:37:18	0.000	0.000	0.000
087	2/2/2018	11:38:18	0.000	0.000	0.000

			Pine_24759_20180226		
088	2/2/2018	11:39:18	0.000	0.000	0.000
089	2/2/2018	11:40:18	0.000	0.000	0.000
090	2/2/2018	11:41:18	0.000	0.000	0.000
091	2/2/2018	11:42:18	0.000	0.000	0.000
092	2/2/2018	11:43:18	0.000	0.000	0.000
093	2/2/2018	11:44:18	0.000	0.000	0.000
094	2/2/2018	11:45:18	0.000	0.000	0.000
095	2/2/2018	11:46:18	0.000	0.000	0.000
096	2/2/2018	11:47:18	0.000	0.000	0.000
097	2/2/2018	11:48:18	0.000	0.000	0.000
098	2/2/2018	11:49:18	0.000	0.000	0.000
099	2/2/2018	11:50:18	0.000	0.000	0.000
100	2/2/2018	11:51:18	0.000	0.000	0.000
101	2/2/2018	11:52:18	0.000	0.000	0.000
102	2/2/2018	11:53:18	0.000	0.000	0.000
103	2/2/2018	11:54:18	0.000	0.000	0.000
104	2/2/2018	11:55:18	0.000	0.000	0.000
105	2/2/2018	11:56:18	0.000	0.000	0.000
106	2/2/2018	11:57:18	0.000	0.000	0.000
107	2/2/2018	11:58:18	0.000	0.000	0.000
108	2/2/2018	11:59:18	0.000	0.000	0.000
109	2/2/2018	12:00:18	0.000	0.000	0.000
110	2/2/2018	12:01:18	0.000	0.000	0.000
111	2/2/2018	12:02:18	0.000	0.000	0.000
112	2/2/2018	12:03:18	0.000	0.000	0.000
113	2/2/2018	12:04:18	0.000	0.000	0.000
114	2/2/2018	12:05:18	0.000	0.000	0.000
115	2/2/2018	12:06:18	0.000	0.000	0.000
116	2/2/2018	12:07:18	0.000	0.000	0.000
117	2/2/2018	12:08:18	0.000	0.000	0.000
118	2/2/2018	12:09:18	0.000	0.000	0.000
119	2/2/2018	12:10:18	0.000	0.000	0.000
120	2/2/2018	12:11:18	0.000	0.000	0.000
121	2/2/2018	12:12:18	0.000	0.000	0.000
122	2/2/2018	12:13:18	0.000	0.000	0.000
123	2/2/2018	12:14:18	0.000	0.000	0.000
124	2/2/2018	12:15:18	0.000	0.000	0.000
125	2/2/2018	12:16:18	0.000	0.000	0.000
126	2/2/2018	12:17:18	0.000	0.000	0.000
127	2/2/2018	12:18:18	0.000	0.000	0.000
128	2/2/2018	12:19:18	0.000	0.000	0.000
129	2/2/2018	12:20:18	0.000	0.000	0.000
130	2/2/2018	12:21:18	0.000	0.000	0.000
131	2/2/2018	12:22:18	0.000	0.000	0.000
132	2/2/2018	12:23:18	0.000	0.000	0.000
133	2/2/2018	12:24:18	0.000	0.000	0.000
134	2/2/2018	12:25:18	0.000	0.000	0.000
135	2/2/2018	12:26:18	0.000	0.000	0.000

			Pine_24759_20180226		
136	2/2/2018	12:27:18	0.000	0.000	0.000
137	2/2/2018	12:28:18	0.000	0.000	0.000
138	2/2/2018	12:29:18	0.000	0.000	0.000
139	2/2/2018	12:30:18	0.000	0.000	0.000
140	2/2/2018	12:31:18	0.000	0.000	0.000
141	2/2/2018	12:32:18	0.000	0.000	0.000
142	2/2/2018	12:33:18	0.000	0.000	0.000
143	2/2/2018	12:34:18	0.000	0.000	0.000
144	2/2/2018	12:35:18	0.000	0.000	0.000
145	2/2/2018	12:36:18	0.000	0.000	0.000
146	2/2/2018	12:37:18	0.000	0.000	0.000
147	2/2/2018	12:38:18	0.000	0.000	0.000
148	2/2/2018	12:39:18	0.000	0.000	0.000
149	2/2/2018	12:40:18	0.000	0.001	0.015
150	2/2/2018	12:41:18	0.000	0.000	0.000
151	2/2/2018	12:42:18	0.000	0.000	0.000
152	2/2/2018	12:43:18	0.000	0.000	0.000
153	2/2/2018	12:44:18	0.000	0.000	0.000
154	2/2/2018	12:45:18	0.000	0.000	0.000
155	2/2/2018	12:46:18	0.000	0.000	0.000
156	2/2/2018	12:47:18	0.000	0.000	0.000
157	2/2/2018	12:48:18	0.000	0.000	0.000
158	2/2/2018	12:49:18	0.000	0.000	0.000
159	2/2/2018	12:50:18	0.000	0.000	0.000
160	2/2/2018	12:51:18	0.000	0.000	0.000
161	2/2/2018	12:52:18	0.000	0.000	0.000
162	2/2/2018	12:53:18	0.000	0.000	0.000
163	2/2/2018	12:54:18	0.000	0.000	0.000
164	2/2/2018	12:55:18	0.000	0.000	0.000
165	2/2/2018	12:56:18	0.000	0.000	0.000
166	2/2/2018	12:57:18	0.000	0.000	0.000
167	2/2/2018	12:58:18	0.000	0.000	0.000
168	2/2/2018	12:59:18	0.000	0.000	0.000
169	2/2/2018	13:00:18	0.000	0.000	0.000
170	2/2/2018	13:01:18	0.000	0.000	0.000
171	2/2/2018	13:02:18	0.000	0.000	0.000
172	2/2/2018	13:03:18	0.000	0.000	0.000
173	2/2/2018	13:04:18	0.000	0.000	0.000
174	2/2/2018	13:05:18	0.000	0.000	0.000
175	2/2/2018	13:06:18	0.000	0.000	0.000
176	2/2/2018	13:07:18	0.000	0.004	0.068
177	2/2/2018	13:08:18	0.000	0.000	0.000
178	2/2/2018	13:09:18	0.000	0.000	0.000
179	2/2/2018	13:10:18	0.000	0.000	0.000
180	2/2/2018	13:11:18	0.000	0.000	0.000
181	2/2/2018	13:12:18	0.000	0.000	0.000
182	2/2/2018	13:13:18	0.000	0.000	0.000
183	2/2/2018	13:14:18	0.000	0.000	0.000

			Pine_24759_20180226		
184	2/2/2018	13:15:18	0.000	0.000	0.000
185	2/2/2018	13:16:18	0.000	0.000	0.000
186	2/2/2018	13:17:18	0.000	0.000	0.000
187	2/2/2018	13:18:18	0.000	0.000	0.000
188	2/2/2018	13:19:18	0.000	0.000	0.000
189	2/2/2018	13:20:18	0.000	0.000	0.000
190	2/2/2018	13:21:18	0.000	0.000	0.000
191	2/2/2018	13:22:18	0.000	0.000	0.000
192	2/2/2018	13:23:18	0.000	0.000	0.000
193	2/2/2018	13:24:18	0.000	0.000	0.000
194	2/2/2018	13:25:18	0.000	0.000	0.000
195	2/2/2018	13:26:18	0.000	0.000	0.000
196	2/2/2018	13:27:18	0.000	0.000	0.000
197	2/2/2018	13:28:18	0.000	0.000	0.000
198	2/2/2018	13:29:18	0.000	0.000	0.000
199	2/2/2018	13:30:18	0.000	0.000	0.000
200	2/2/2018	13:31:18	0.000	0.000	0.000
201	2/2/2018	13:32:18	0.000	0.000	0.000
202	2/2/2018	13:33:18	0.000	0.000	0.000
203	2/2/2018	13:34:18	0.000	0.000	0.000
204	2/2/2018	13:35:18	0.000	0.000	0.000
205	2/2/2018	13:36:18	0.000	0.000	0.000
206	2/2/2018	13:37:18	0.000	0.000	0.000
207	2/2/2018	13:38:18	0.000	0.000	0.000
208	2/2/2018	13:39:18	0.000	0.000	0.000
209	2/2/2018	13:40:18	0.000	0.000	0.000
210	2/2/2018	13:41:18	0.000	0.000	0.000
211	2/2/2018	13:42:18	0.000	0.000	0.000
212	2/2/2018	13:43:18	0.000	0.000	0.000
213	2/2/2018	13:44:18	0.000	0.000	0.000
214	2/2/2018	13:45:18	0.000	0.000	0.000
215	2/2/2018	13:46:18	0.000	0.000	0.000
216	2/2/2018	13:47:18	0.000	0.000	0.000
217	2/2/2018	13:48:18	0.000	0.000	0.000
218	2/2/2018	13:49:18	0.000	0.000	0.000
219	2/2/2018	13:50:18	0.000	0.000	0.000
220	2/2/2018	13:51:18	0.000	0.000	0.000
221	2/2/2018	13:52:18	0.000	0.000	0.000
222	2/2/2018	13:53:18	0.000	0.000	0.000
223	2/2/2018	13:54:18	0.000	0.000	0.000
224	2/2/2018	13:55:18	0.000	0.000	0.000
225	2/2/2018	13:56:18	0.000	0.000	0.000
226	2/2/2018	13:57:18	0.000	0.000	0.000
227	2/2/2018	13:58:18	0.000	0.000	0.000
228	2/2/2018	13:59:18	0.000	0.000	0.000
229	2/2/2018	14:00:18	0.000	0.000	0.000
230	2/2/2018	14:01:18	0.000	0.000	0.000
231	2/2/2018	14:02:18	0.000	0.000	0.000

			Pine_24759_20180226		
232	2/2/2018	14:03:18	0.000	0.000	0.000
233	2/2/2018	14:04:18	0.000	0.000	0.000
234	2/2/2018	14:05:18	0.000	0.000	0.000
235	2/2/2018	14:06:18	0.000	0.000	0.000
236	2/2/2018	14:07:18	0.000	0.000	0.000
237	2/2/2018	14:08:18	0.000	0.000	0.000
238	2/2/2018	14:09:18	0.000	0.000	0.000
239	2/2/2018	14:10:18	0.000	0.000	0.000
240	2/2/2018	14:11:18	0.000	0.000	0.000
241	2/2/2018	14:12:18	0.000	0.000	0.000
242	2/2/2018	14:13:18	0.000	0.000	0.000
243	2/2/2018	14:14:18	0.000	0.000	0.000
244	2/2/2018	14:15:18	0.000	0.000	0.000
245	2/2/2018	14:16:18	0.000	0.000	0.006
246	2/2/2018	14:17:18	0.000	0.000	0.000
247	2/2/2018	14:18:18	0.000	0.000	0.000
248	2/2/2018	14:19:18	0.000	0.000	0.000
249	2/2/2018	14:20:18	0.000	0.000	0.000
250	2/2/2018	14:21:18	0.000	0.000	0.000
251	2/2/2018	14:22:18	0.000	0.000	0.000
252	2/2/2018	14:23:18	0.000	0.000	0.000
253	2/2/2018	14:24:18	0.000	0.000	0.000
254	2/2/2018	14:25:18	0.000	0.000	0.000
255	2/2/2018	14:26:18	0.000	0.000	0.000
256	2/2/2018	14:27:18	0.000	0.000	0.000
257	2/2/2018	14:28:18	0.000	0.000	0.000
258	2/2/2018	14:29:18	0.000	0.000	0.000
259	2/2/2018	14:30:18	0.000	0.000	0.000
260	2/2/2018	14:31:18	0.000	0.000	0.000
261	2/2/2018	14:32:18	0.000	0.000	0.000
262	2/2/2018	14:33:18	0.000	0.000	0.000
263	2/2/2018	14:34:18	0.000	0.000	0.000
264	2/2/2018	14:35:18	0.000	0.000	0.000
265	2/2/2018	14:36:18	0.000	0.000	0.000
266	2/2/2018	14:37:18	0.000	0.000	0.000
267	2/2/2018	14:38:18	0.000	0.000	0.000
268	2/2/2018	14:39:18	0.000	0.000	0.000
269	2/2/2018	14:40:18	0.000	0.000	0.000
270	2/2/2018	14:41:18	0.000	0.000	0.000
271	2/2/2018	14:42:18	0.000	0.000	0.000
272	2/2/2018	14:43:18	0.000	0.000	0.000
273	2/2/2018	14:44:18	0.000	0.000	0.000
274	2/2/2018	14:45:18	0.000	0.000	0.000
275	2/2/2018	14:46:18	0.000	0.000	0.000
276	2/2/2018	14:47:18	0.000	0.000	0.000
277	2/2/2018	14:48:18	0.000	0.000	0.000
278	2/2/2018	14:49:18	0.000	0.000	0.000
279	2/2/2018	14:50:18	0.000	0.000	0.000

			Pine_24759_20180226		
280	2/2/2018	14:51:18	0.000	0.000	0.000
281	2/2/2018	14:52:18	0.000	0.000	0.000
282	2/2/2018	14:53:18	0.000	0.000	0.000
283	2/2/2018	14:54:18	0.000	0.000	0.000
284	2/2/2018	14:55:18	0.000	0.000	0.000
285	2/2/2018	14:56:18	0.000	0.000	0.000
286	2/2/2018	14:57:18	0.000	0.000	0.000
287	2/2/2018	14:58:18	0.000	0.000	0.000
288	2/2/2018	14:59:18	0.000	0.000	0.000
289	2/2/2018	15:00:18	0.000	0.000	0.000
290	2/2/2018	15:01:18	0.000	0.000	0.000
291	2/2/2018	15:02:18	0.000	0.000	0.000
292	2/2/2018	15:03:18	0.000	0.000	0.000
293	2/2/2018	15:04:18	0.000	0.000	0.000
294	2/2/2018	15:05:18	0.000	0.000	0.000
295	2/2/2018	15:06:18	0.000	0.000	0.000
296	2/2/2018	15:07:18	0.000	0.000	0.000
297	2/2/2018	15:08:18	0.000	0.000	0.000
298	2/2/2018	15:09:18	0.000	0.000	0.000
299	2/2/2018	15:10:18	0.000	0.000	0.000
300	2/2/2018	15:11:18	0.000	0.000	0.000
301	2/2/2018	15:12:18	0.000	0.000	0.000
302	2/2/2018	15:13:18	0.000	0.000	0.000
303	2/2/2018	15:14:18	0.000	0.000	0.006
304	2/2/2018	15:15:18	0.000	0.000	0.000
305	2/2/2018	15:16:18	0.000	0.000	0.000
306	2/2/2018	15:17:18	0.000	0.000	0.000
307	2/2/2018	15:18:18	0.000	0.000	0.000
308	2/2/2018	15:19:18	0.000	0.000	0.000
309	2/2/2018	15:20:18	0.000	0.000	0.000
310	2/2/2018	15:21:18	0.000	0.000	0.006
311	2/2/2018	15:22:18	0.000	0.000	0.000
312	2/2/2018	15:23:18	0.000	0.000	0.000
313	2/2/2018	15:24:18	0.000	0.000	0.000
314	2/2/2018	15:25:18	0.000	0.000	0.000
315	2/2/2018	15:26:18	0.000	0.000	0.000
316	2/2/2018	15:27:18	0.000	0.000	0.000
317	2/2/2018	15:28:18	0.000	0.000	0.000
318	2/2/2018	15:29:18	0.000	0.000	0.000
319	2/2/2018	15:30:18	0.000	0.000	0.000
320	2/2/2018	15:31:18	0.000	0.000	0.000
321	2/2/2018	15:32:18	0.000	0.000	0.000
322	2/2/2018	15:33:18	0.000	0.000	0.000
323	2/2/2018	15:34:18	0.000	0.000	0.000
324	2/2/2018	15:35:18	0.000	0.000	0.000
325	2/2/2018	15:36:18	0.000	0.001	0.023
326	2/2/2018	15:37:18	0.000	0.000	0.000
327	2/2/2018	15:38:18	0.000	0.000	0.000

			Pine_24759_20180226		
328	2/2/2018	15:39:18	0.000	0.001	0.027
329	2/2/2018	15:40:18	0.000	0.000	0.000
330	2/2/2018	15:41:18	0.000	0.000	0.000
331	2/2/2018	15:42:18	0.000	0.000	0.000
332	2/2/2018	15:43:18	0.000	0.000	0.000
333	2/2/2018	15:44:18	0.000	0.000	0.000
334	2/2/2018	15:45:18	0.000	0.000	0.000
335	2/2/2018	15:46:18	0.000	0.000	0.000
336	2/2/2018	15:47:18	0.000	0.002	0.031
337	2/2/2018	15:48:18	0.000	0.000	0.000
338	2/2/2018	15:49:18	0.000	0.000	0.000
339	2/2/2018	15:50:18	0.000	0.000	0.000
340	2/2/2018	15:51:18	0.000	0.000	0.000
341	2/2/2018	15:52:18	0.000	0.000	0.000
342	2/2/2018	15:53:18	0.000	0.000	0.000
343	2/2/2018	15:54:18	0.000	0.000	0.000
344	2/2/2018	15:55:18	0.000	0.000	0.000
345	2/2/2018	15:56:18	0.000	0.000	0.000
346	2/2/2018	15:57:18	0.000	0.000	0.000
347	2/2/2018	15:58:18	0.000	0.000	0.000
348	2/2/2018	15:59:18	0.000	0.000	0.000
349	2/2/2018	16:00:18	0.000	0.000	0.003
350	2/2/2018	16:01:18	0.000	0.000	0.000
351	2/2/2018	16:02:18	0.000	0.000	0.000
352	2/2/2018	16:03:18	0.000	0.000	0.000
353	2/2/2018	16:04:18	0.000	0.000	0.000
354	2/2/2018	16:05:18	0.000	0.000	0.000
355	2/2/2018	16:06:18	0.000	0.000	0.000
356	2/2/2018	16:07:18	0.000	0.000	0.000
357	2/2/2018	16:08:18	0.000	0.000	0.000
358	2/2/2018	16:09:18	0.000	0.000	0.000
359	2/2/2018	16:10:18	0.000	0.000	0.000
360	2/2/2018	16:11:18	0.000	0.000	0.000
361	2/2/2018	16:12:18	0.000	0.000	0.000
362	2/2/2018	16:13:18	0.000	0.000	0.000
363	2/2/2018	16:14:18	0.000	0.000	0.000
364	2/2/2018	16:15:18	0.000	0.000	0.000
365	2/2/2018	16:16:18	0.000	0.000	0.000
366	2/2/2018	16:17:18	0.000	0.000	0.000
367	2/2/2018	16:18:18	0.000	0.000	0.000
368	2/2/2018	16:19:18	0.000	0.000	0.000
369	2/2/2018	16:20:18	0.000	0.000	0.000
370	2/2/2018	16:21:18	0.000	0.000	0.000
371	2/2/2018	16:22:18	0.000	0.000	0.000
372	2/2/2018	16:23:18	0.000	0.000	0.000
373	2/2/2018	16:24:18	0.000	0.000	0.000
374	2/2/2018	16:25:18	0.000	0.000	0.000
375	2/2/2018	16:26:18	0.000	0.000	0.000

			Pine_24759_20180226
376	2/2/2018 16:27:18	0.000	0.000 0.000
377	2/2/2018 16:28:18	0.000	0.009 0.270
378	2/2/2018 16:29:18	0.356	0.571 0.669
Peak	0.356 0.571	0.669	
Min	0.000 0.000	0.000	
Average	0.001 0.002	0.003	

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18/02/05 10:08

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Battery Low

Site ID RAE00000

User ID 00000001

Begin 2/5/2018 10:08:36

End 2/5/2018 16:09:54

Sample Period(s) 60

Number of Records 361

Sensor VOC(ppm)

Span 100.000

Span 2 N/A

Low Alarm 50.000

High Alarm 100.000

Over Alarm 15000.000

STEL Alarm 25.000

TWA Alarm 10.000

Measurement Gas Isobutylene

Calibration Time 11/3/2017 08:06

Peak N/A

Min N/A

Average N/A

Datalog

VOC(ppm)	VOC(ppm)	VOC(ppm)
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Index	Date/Time	(Min)	Pine_24759_20180226		
			(Avg)	(Max)	
001	2/5/2018 10:09:36		0.000	0.000	0.000
002	2/5/2018 10:10:36		0.000	0.000	0.000
003	2/5/2018 10:11:36		0.000	0.000	0.000
004	2/5/2018 10:12:36		0.000	0.000	0.000
005	2/5/2018 10:13:36		0.000	0.000	0.000
006	2/5/2018 10:14:36		0.000	0.000	0.000
007	2/5/2018 10:15:36		0.000	0.000	0.000
008	2/5/2018 10:16:36		0.000	0.000	0.000
009	2/5/2018 10:17:36		0.000	0.000	0.000
010	2/5/2018 10:18:36		0.000	0.000	0.000
011	2/5/2018 10:19:36		0.000	0.000	0.000
012	2/5/2018 10:20:36		0.000	0.000	0.000
013	2/5/2018 10:21:36		0.000	0.000	0.000
014	2/5/2018 10:22:36		0.000	0.000	0.000
015	2/5/2018 10:23:36		0.000	0.000	0.000
016	2/5/2018 10:24:36		0.000	0.000	0.000
017	2/5/2018 10:25:36		0.000	0.000	0.000
018	2/5/2018 10:26:36		0.000	0.000	0.000
019	2/5/2018 10:27:36		0.000	0.000	0.000
020	2/5/2018 10:28:36		0.000	0.000	0.000
021	2/5/2018 10:29:36		0.000	0.000	0.000
022	2/5/2018 10:30:36		0.000	0.000	0.000
023	2/5/2018 10:31:36		0.000	0.000	0.000
024	2/5/2018 10:32:36		0.000	0.000	0.000
025	2/5/2018 10:33:36		0.000	0.000	0.000
026	2/5/2018 10:34:36		0.000	0.000	0.000
027	2/5/2018 10:35:36		0.000	0.000	0.000
028	2/5/2018 10:36:36		0.000	0.000	0.000
029	2/5/2018 10:37:36		0.000	0.000	0.000
030	2/5/2018 10:38:36		0.000	0.000	0.000
031	2/5/2018 10:39:36		0.000	0.000	0.000
032	2/5/2018 10:40:36		0.000	0.000	0.000
033	2/5/2018 10:41:36		0.000	0.000	0.000
034	2/5/2018 10:42:36		0.000	0.000	0.000
035	2/5/2018 10:43:36		0.000	0.000	0.000
036	2/5/2018 10:44:36		0.000	0.000	0.000
037	2/5/2018 10:45:36		0.000	0.000	0.000
038	2/5/2018 10:46:36		0.000	0.000	0.000
039	2/5/2018 10:47:36		0.000	0.000	0.000
040	2/5/2018 10:48:36		0.000	0.000	0.000
041	2/5/2018 10:49:36		0.000	0.000	0.000
042	2/5/2018 10:50:36		0.000	0.000	0.000
043	2/5/2018 10:51:36		0.000	0.000	0.000
044	2/5/2018 10:52:36		0.000	0.000	0.000
045	2/5/2018 10:53:36		0.000	0.000	0.000
046	2/5/2018 10:54:36		0.000	0.000	0.000
047	2/5/2018 10:55:36		0.000	0.000	0.000

			Pine_24759_20180226		
048	2/5/2018	10:56:36	0.000	0.000	0.000
049	2/5/2018	10:57:36	0.000	0.000	0.000
050	2/5/2018	10:58:36	0.000	0.000	0.000
051	2/5/2018	10:59:36	0.000	0.000	0.000
052	2/5/2018	11:00:36	0.000	0.000	0.000
053	2/5/2018	11:01:36	0.000	0.000	0.000
054	2/5/2018	11:02:36	0.000	0.000	0.000
055	2/5/2018	11:03:36	0.000	0.000	0.000
056	2/5/2018	11:04:36	0.000	0.000	0.000
057	2/5/2018	11:05:36	0.000	0.000	0.000
058	2/5/2018	11:06:36	0.000	0.000	0.000
059	2/5/2018	11:07:36	0.000	0.000	0.000
060	2/5/2018	11:08:36	0.000	0.000	0.000
061	2/5/2018	11:09:36	0.000	0.000	0.000
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063	2/5/2018	11:11:36	0.000	0.000	0.000
064	2/5/2018	11:12:36	0.000	0.000	0.000
065	2/5/2018	11:13:36	0.000	0.000	0.000
066	2/5/2018	11:14:36	0.000	0.000	0.000
067	2/5/2018	11:15:36	0.000	0.000	0.000
068	2/5/2018	11:16:36	0.000	0.000	0.000
069	2/5/2018	11:17:36	0.000	0.000	0.000
070	2/5/2018	11:18:36	0.000	0.000	0.000
071	2/5/2018	11:19:36	0.000	0.000	0.000
072	2/5/2018	11:20:36	0.000	0.000	0.000
073	2/5/2018	11:21:36	0.000	0.000	0.000
074	2/5/2018	11:22:36	0.000	0.000	0.000
075	2/5/2018	11:23:36	0.000	0.000	0.000
076	2/5/2018	11:24:36	0.000	0.000	0.000
077	2/5/2018	11:25:36	0.000	0.000	0.000
078	2/5/2018	11:26:36	0.000	0.000	0.000
079	2/5/2018	11:27:36	0.000	0.000	0.000
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081	2/5/2018	11:29:36	0.000	0.000	0.000
082	2/5/2018	11:30:36	0.000	0.000	0.000
083	2/5/2018	11:31:36	0.000	0.000	0.000
084	2/5/2018	11:32:36	0.000	0.000	0.000
085	2/5/2018	11:33:36	0.000	0.000	0.000
086	2/5/2018	11:34:36	0.000	0.000	0.000
087	2/5/2018	11:35:36	0.000	0.000	0.000
088	2/5/2018	11:36:36	0.000	0.000	0.000
089	2/5/2018	11:37:36	0.000	0.000	0.000
090	2/5/2018	11:38:36	0.000	0.000	0.000
091	2/5/2018	11:39:36	0.000	0.000	0.000
092	2/5/2018	11:40:36	0.000	0.000	0.000
093	2/5/2018	11:41:36	0.000	0.000	0.000
094	2/5/2018	11:42:36	0.000	0.000	0.000
095	2/5/2018	11:43:36	0.000	0.000	0.000

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097	2/5/2018	11:45:36	0.000	0.000	0.000
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099	2/5/2018	11:47:36	0.000	0.000	0.000
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105	2/5/2018	11:53:36	0.000	0.000	0.000
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113	2/5/2018	12:01:36	0.000	0.000	0.000
114	2/5/2018	12:02:36	0.000	0.000	0.000
115	2/5/2018	12:03:36	0.000	0.000	0.000
116	2/5/2018	12:04:36	0.000	0.000	0.000
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123	2/5/2018	12:11:36	0.000	0.000	0.000
124	2/5/2018	12:12:36	0.000	0.000	0.000
125	2/5/2018	12:13:36	0.000	0.000	0.000
126	2/5/2018	12:14:36	0.000	0.000	0.000
127	2/5/2018	12:15:36	0.000	0.000	0.000
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129	2/5/2018	12:17:36	0.000	0.000	0.000
130	2/5/2018	12:18:36	0.000	0.000	0.000
131	2/5/2018	12:19:36	0.000	0.000	0.000
132	2/5/2018	12:20:36	0.000	0.000	0.000
133	2/5/2018	12:21:36	0.000	0.000	0.000
134	2/5/2018	12:22:36	0.000	0.000	0.000
135	2/5/2018	12:23:36	0.000	0.000	0.000
136	2/5/2018	12:24:36	0.000	0.000	0.000
137	2/5/2018	12:25:36	0.000	0.000	0.000
138	2/5/2018	12:26:36	0.000	0.000	0.000
139	2/5/2018	12:27:36	0.000	0.000	0.000
140	2/5/2018	12:28:36	0.000	0.000	0.000
141	2/5/2018	12:29:36	0.000	0.000	0.000
142	2/5/2018	12:30:36	0.000	0.000	0.000
143	2/5/2018	12:31:36	0.000	0.000	0.000

			Pine_24759_20180226		
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146	2/5/2018	12:34:36	0.000	0.000	0.000
147	2/5/2018	12:35:36	0.000	0.000	0.000
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153	2/5/2018	12:41:36	0.000	0.000	0.000
154	2/5/2018	12:42:36	0.000	0.000	0.000
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156	2/5/2018	12:44:36	0.000	0.000	0.000
157	2/5/2018	12:45:36	0.000	0.000	0.000
158	2/5/2018	12:46:36	0.000	0.000	0.000
159	2/5/2018	12:47:36	0.000	0.000	0.000
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163	2/5/2018	12:51:36	0.000	0.000	0.000
164	2/5/2018	12:52:36	0.000	0.000	0.000
165	2/5/2018	12:53:36	0.000	0.000	0.000
166	2/5/2018	12:54:36	0.000	0.000	0.000
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177	2/5/2018	13:05:36	0.000	0.000	0.000
178	2/5/2018	13:06:36	0.000	0.000	0.000
179	2/5/2018	13:07:36	0.000	0.000	0.000
180	2/5/2018	13:08:36	0.000	0.000	0.000
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183	2/5/2018	13:11:36	0.000	0.000	0.000
184	2/5/2018	13:12:36	0.000	0.000	0.000
185	2/5/2018	13:13:36	0.000	0.000	0.000
186	2/5/2018	13:14:36	0.000	0.000	0.000
187	2/5/2018	13:15:36	0.000	0.000	0.000
188	2/5/2018	13:16:36	0.000	0.000	0.000
189	2/5/2018	13:17:36	0.000	0.000	0.000
190	2/5/2018	13:18:36	0.000	0.000	0.000
191	2/5/2018	13:19:36	0.000	0.000	0.000

			Pine_24759_20180226		
192	2/5/2018	13:20:36	0.000	0.000	0.000
193	2/5/2018	13:21:36	0.000	0.000	0.000
194	2/5/2018	13:22:36	0.000	0.000	0.000
195	2/5/2018	13:23:36	0.000	0.000	0.000
196	2/5/2018	13:24:36	0.000	0.000	0.000
197	2/5/2018	13:25:36	0.000	0.000	0.000
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200	2/5/2018	13:28:36	0.000	0.000	0.000
201	2/5/2018	13:29:36	0.000	0.000	0.000
202	2/5/2018	13:30:36	0.000	0.000	0.000
203	2/5/2018	13:31:36	0.000	0.000	0.000
204	2/5/2018	13:32:36	0.000	0.000	0.000
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207	2/5/2018	13:35:36	0.000	0.000	0.000
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210	2/5/2018	13:38:36	0.000	0.000	0.000
211	2/5/2018	13:39:36	0.000	0.000	0.000
212	2/5/2018	13:40:36	0.000	0.000	0.000
213	2/5/2018	13:41:36	0.000	0.000	0.000
214	2/5/2018	13:42:36	0.000	0.000	0.000
215	2/5/2018	13:43:36	0.000	0.000	0.000
216	2/5/2018	13:44:36	0.000	0.000	0.000
217	2/5/2018	13:45:36	0.000	0.000	0.000
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219	2/5/2018	13:47:36	0.000	0.000	0.000
220	2/5/2018	13:48:36	0.000	0.000	0.000
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223	2/5/2018	13:51:36	0.000	0.000	0.000
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225	2/5/2018	13:53:36	0.000	0.000	0.000
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229	2/5/2018	13:57:36	0.000	0.000	0.000
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231	2/5/2018	13:59:36	0.000	0.000	0.000
232	2/5/2018	14:00:36	0.000	0.000	0.000
233	2/5/2018	14:01:36	0.000	0.000	0.000
234	2/5/2018	14:02:36	0.000	0.000	0.000
235	2/5/2018	14:03:36	0.000	0.000	0.000
236	2/5/2018	14:04:36	0.000	0.000	0.000
237	2/5/2018	14:05:36	0.000	0.000	0.000
238	2/5/2018	14:06:36	0.000	0.000	0.000
239	2/5/2018	14:07:36	0.000	0.000	0.000

			Pine_24759_20180226		
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243	2/5/2018	14:11:36	0.000	0.000	0.000
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248	2/5/2018	14:16:36	0.000	0.000	0.000
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252	2/5/2018	14:20:36	0.000	0.000	0.000
253	2/5/2018	14:21:36	0.000	0.000	0.000
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262	2/5/2018	14:30:36	0.000	0.000	0.000
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271	2/5/2018	14:39:36	0.000	0.000	0.000
272	2/5/2018	14:40:36	0.000	0.000	0.000
273	2/5/2018	14:41:36	0.000	0.000	0.000
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275	2/5/2018	14:43:36	0.000	0.000	0.000
276	2/5/2018	14:44:36	0.000	0.000	0.000
277	2/5/2018	14:45:36	0.000	0.000	0.000
278	2/5/2018	14:46:36	0.000	0.000	0.000
279	2/5/2018	14:47:36	0.000	0.000	0.000
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281	2/5/2018	14:49:36	0.000	0.000	0.000
282	2/5/2018	14:50:36	0.000	0.000	0.000
283	2/5/2018	14:51:36	0.000	0.000	0.000
284	2/5/2018	14:52:36	0.000	0.000	0.000
285	2/5/2018	14:53:36	0.000	0.000	0.000
286	2/5/2018	14:54:36	0.000	0.000	0.000
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			Pine_24759_20180226		
288	2/5/2018	14:56:36	0.000	0.000	0.000
289	2/5/2018	14:57:36	0.000	0.000	0.000
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291	2/5/2018	14:59:36	0.000	0.000	0.000
292	2/5/2018	15:00:36	0.000	0.000	0.000
293	2/5/2018	15:01:36	0.000	0.000	0.000
294	2/5/2018	15:02:36	0.000	0.000	0.000
295	2/5/2018	15:03:36	0.000	0.000	0.000
296	2/5/2018	15:04:36	0.000	0.000	0.000
297	2/5/2018	15:05:36	0.000	0.000	0.000
298	2/5/2018	15:06:36	0.000	0.000	0.000
299	2/5/2018	15:07:36	0.000	0.000	0.000
300	2/5/2018	15:08:36	0.000	0.000	0.000
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312	2/5/2018	15:20:36	0.000	0.000	0.000
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316	2/5/2018	15:24:36	0.000	0.000	0.000
317	2/5/2018	15:25:36	0.000	0.000	0.000
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319	2/5/2018	15:27:36	0.000	0.000	0.000
320	2/5/2018	15:28:36	0.000	0.000	0.000
321	2/5/2018	15:29:36	0.000	0.000	0.000
322	2/5/2018	15:30:36	0.000	0.000	0.000
323	2/5/2018	15:31:36	0.000	0.000	0.000
324	2/5/2018	15:32:36	0.000	0.000	0.000
325	2/5/2018	15:33:36	0.000	0.000	0.000
326	2/5/2018	15:34:36	0.000	0.000	0.000
327	2/5/2018	15:35:36	0.000	0.000	0.000
328	2/5/2018	15:36:36	0.000	0.000	0.000
329	2/5/2018	15:37:36	0.000	0.000	0.000
330	2/5/2018	15:38:36	0.000	0.000	0.000
331	2/5/2018	15:39:36	0.000	0.000	0.000
332	2/5/2018	15:40:36	0.000	0.000	0.000
333	2/5/2018	15:41:36	0.000	0.000	0.000
334	2/5/2018	15:42:36	0.000	0.000	0.000
335	2/5/2018	15:43:36	0.000	0.000	0.000

			Pine_24759_20180226		
336	2/5/2018	15:44:36	0.000	0.000	0.000
337	2/5/2018	15:45:36	0.000	0.000	0.000
338	2/5/2018	15:46:36	0.000	0.000	0.000
339	2/5/2018	15:47:36	0.000	0.000	0.000
340	2/5/2018	15:48:36	0.000	0.000	0.000
341	2/5/2018	15:49:36	0.000	0.000	0.000
342	2/5/2018	15:50:36	0.000	0.000	0.000
343	2/5/2018	15:51:36	0.000	0.000	0.000
344	2/5/2018	15:52:36	0.000	0.000	0.000
345	2/5/2018	15:53:36	0.000	0.000	0.000
346	2/5/2018	15:54:36	0.000	0.000	0.000
347	2/5/2018	15:55:36	0.000	0.000	0.000
348	2/5/2018	15:56:36	0.000	0.000	0.000
349	2/5/2018	15:57:36	0.000	0.000	0.000
350	2/5/2018	15:58:36	0.000	0.000	0.000
351	2/5/2018	15:59:36	0.000	0.000	0.000
352	2/5/2018	16:00:36	0.000	0.000	0.000
353	2/5/2018	16:01:36	0.000	0.000	0.000
354	2/5/2018	16:02:36	0.000	0.000	0.000
355	2/5/2018	16:03:36	0.000	0.000	0.000
356	2/5/2018	16:04:36	0.000	0.000	0.000
357	2/5/2018	16:05:36	0.000	0.000	0.000
358	2/5/2018	16:06:36	0.000	0.000	0.000
359	2/5/2018	16:07:36	0.000	0.000	0.000
360	2/5/2018	16:08:36	0.000	0.000	0.000
361	2/5/2018	16:09:36	0.000	0.000	0.000
Peak		0.000	0.000	0.000	
Min		0.000	0.000	0.000	
Average		0.000	0.000	0.000	

=====

18/02/05 16:59

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-911219

Unit Firmware Ver V1.20

Running Mode Hygiene Mode

Measure Type Min; Avg; Max

Datalog Mode Continuous

Datalog Type Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID 00000001

Pine_24759_20180226

Begin 2/5/2018 16:59:47
End 2/5/2018 17:00:30
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06

Datalog

0 record.

=====

18/02/06 09:44

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver V1.20

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

Site ID RAE00000
User ID 00000001

Begin 2/6/2018 09:44:06
End 2/6/2018 15:40:06
Sample Period(s) 60
Number of Records 356

Sensor VOC(ppm)
Span 100.000

Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm) (Min)	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm)
001	2/6/2018 09:45:06	0.000	0.000	0.000	0.000
002	2/6/2018 09:46:06	0.000	0.000	0.000	0.000
003	2/6/2018 09:47:06	0.000	0.000	0.000	0.000
004	2/6/2018 09:48:06	0.000	0.000	0.000	0.000
005	2/6/2018 09:49:06	0.000	0.000	0.000	0.000
006	2/6/2018 09:50:06	0.000	0.000	0.000	0.000
007	2/6/2018 09:51:06	0.000	0.000	0.000	0.000
008	2/6/2018 09:52:06	0.000	0.000	0.000	0.000
009	2/6/2018 09:53:06	0.000	0.000	0.000	0.000
010	2/6/2018 09:54:06	0.000	0.000	0.000	0.000
011	2/6/2018 09:55:06	0.000	0.000	0.000	0.000
012	2/6/2018 09:56:06	0.000	0.000	0.000	0.000
013	2/6/2018 09:57:06	0.000	0.000	0.000	0.000
014	2/6/2018 09:58:06	0.000	0.000	0.000	0.000
015	2/6/2018 09:59:06	0.000	0.000	0.000	0.000
016	2/6/2018 10:00:06	0.000	0.000	0.000	0.000
017	2/6/2018 10:01:06	0.000	0.000	0.000	0.000
018	2/6/2018 10:02:06	0.000	0.000	0.000	0.000
019	2/6/2018 10:03:06	0.000	0.000	0.000	0.000
020	2/6/2018 10:04:06	0.000	0.000	0.000	0.000
021	2/6/2018 10:05:06	0.000	0.000	0.000	0.000
022	2/6/2018 10:06:06	0.000	0.000	0.000	0.000
023	2/6/2018 10:07:06	0.000	0.000	0.000	0.000
024	2/6/2018 10:08:06	0.000	0.000	0.000	0.000
025	2/6/2018 10:09:06	0.000	0.000	0.000	0.000
026	2/6/2018 10:10:06	0.000	0.000	0.000	0.000
027	2/6/2018 10:11:06	0.000	0.000	0.000	0.000
028	2/6/2018 10:12:06	0.000	0.000	0.000	0.000
029	2/6/2018 10:13:06	0.000	0.000	0.000	0.000
030	2/6/2018 10:14:06	0.000	0.000	0.000	0.000
031	2/6/2018 10:15:06	0.000	0.000	0.000	0.000
032	2/6/2018 10:16:06	0.000	0.000	0.000	0.000

		Pine_24759_20180226			
033	2/6/2018 10:17:06	0.000	0.000	0.000	
034	2/6/2018 10:18:06	0.000	0.000	0.000	
035	2/6/2018 10:19:06	0.000	0.000	0.000	
036	2/6/2018 10:20:06	0.000	0.000	0.000	
037	2/6/2018 10:21:06	0.000	0.000	0.000	
038	2/6/2018 10:22:06	0.000	0.000	0.000	
039	2/6/2018 10:23:06	0.000	0.000	0.000	
040	2/6/2018 10:24:06	0.000	0.000	0.000	
041	2/6/2018 10:25:06	0.000	0.000	0.000	
042	2/6/2018 10:26:06	0.000	0.000	0.000	
043	2/6/2018 10:27:06	0.000	0.000	0.000	
044	2/6/2018 10:28:06	0.000	0.000	0.000	
045	2/6/2018 10:29:06	0.000	0.000	0.000	
046	2/6/2018 10:30:06	0.000	0.000	0.000	
047	2/6/2018 10:31:06	0.000	0.000	0.000	
048	2/6/2018 10:32:06	0.000	0.000	0.000	
049	2/6/2018 10:33:06	0.000	0.000	0.000	
050	2/6/2018 10:34:06	0.000	0.000	0.000	
051	2/6/2018 10:35:06	0.000	0.000	0.000	
052	2/6/2018 10:36:06	0.000	0.000	0.000	
053	2/6/2018 10:37:06	0.000	0.000	0.000	
054	2/6/2018 10:38:06	0.000	0.000	0.000	
055	2/6/2018 10:39:06	0.000	0.000	0.000	
056	2/6/2018 10:40:06	0.000	0.000	0.000	
057	2/6/2018 10:41:06	0.000	0.000	0.000	
058	2/6/2018 10:42:06	0.000	0.000	0.000	
059	2/6/2018 10:43:06	0.000	0.000	0.000	
060	2/6/2018 10:44:06	0.000	0.000	0.000	
061	2/6/2018 10:45:06	0.000	0.000	0.000	
062	2/6/2018 10:46:06	0.000	0.000	0.000	
063	2/6/2018 10:47:06	0.000	0.000	0.000	
064	2/6/2018 10:48:06	0.000	0.000	0.000	
065	2/6/2018 10:49:06	0.000	0.000	0.000	
066	2/6/2018 10:50:06	0.000	0.000	0.000	
067	2/6/2018 10:51:06	0.000	0.000	0.000	
068	2/6/2018 10:52:06	0.000	0.000	0.000	
069	2/6/2018 10:53:06	0.000	0.000	0.000	
070	2/6/2018 10:54:06	0.000	0.000	0.000	
071	2/6/2018 10:55:06	0.000	0.000	0.000	
072	2/6/2018 10:56:06	0.000	0.000	0.000	
073	2/6/2018 10:57:06	0.000	0.000	0.000	
074	2/6/2018 10:58:06	0.000	0.000	0.000	
075	2/6/2018 10:59:06	0.000	0.000	0.000	
076	2/6/2018 11:00:06	0.000	0.000	0.000	
077	2/6/2018 11:01:06	0.000	0.000	0.000	
078	2/6/2018 11:02:06	0.000	0.000	0.000	
079	2/6/2018 11:03:06	0.000	0.000	0.000	
080	2/6/2018 11:04:06	0.000	0.000	0.000	

			Pine_24759_20180226		
081	2/6/2018	11:05:06	0.000	0.000	0.000
082	2/6/2018	11:06:06	0.000	0.000	0.000
083	2/6/2018	11:07:06	0.000	0.000	0.000
084	2/6/2018	11:08:06	0.000	0.000	0.000
085	2/6/2018	11:09:06	0.000	0.000	0.000
086	2/6/2018	11:10:06	0.000	0.000	0.000
087	2/6/2018	11:11:06	0.000	0.000	0.000
088	2/6/2018	11:12:06	0.000	0.000	0.000
089	2/6/2018	11:13:06	0.000	0.000	0.000
090	2/6/2018	11:14:06	0.000	0.000	0.000
091	2/6/2018	11:15:06	0.000	0.000	0.000
092	2/6/2018	11:16:06	0.000	0.000	0.000
093	2/6/2018	11:17:06	0.000	0.000	0.000
094	2/6/2018	11:18:06	0.000	0.000	0.000
095	2/6/2018	11:19:06	0.000	0.000	0.000
096	2/6/2018	11:20:06	0.000	0.000	0.000
097	2/6/2018	11:21:06	0.000	0.000	0.000
098	2/6/2018	11:22:06	0.000	0.000	0.000
099	2/6/2018	11:23:06	0.000	0.000	0.000
100	2/6/2018	11:24:06	0.000	0.000	0.000
101	2/6/2018	11:25:06	0.000	0.000	0.000
102	2/6/2018	11:26:06	0.000	0.000	0.000
103	2/6/2018	11:27:06	0.000	0.000	0.000
104	2/6/2018	11:28:06	0.000	0.000	0.000
105	2/6/2018	11:29:06	0.000	0.000	0.000
106	2/6/2018	11:30:06	0.000	0.000	0.000
107	2/6/2018	11:31:06	0.000	0.000	0.000
108	2/6/2018	11:32:06	0.000	0.000	0.000
109	2/6/2018	11:33:06	0.000	0.000	0.000
110	2/6/2018	11:34:06	0.000	0.000	0.000
111	2/6/2018	11:35:06	0.000	0.000	0.000
112	2/6/2018	11:36:06	0.000	0.000	0.000
113	2/6/2018	11:37:06	0.000	0.000	0.000
114	2/6/2018	11:38:06	0.000	0.000	0.000
115	2/6/2018	11:39:06	0.000	0.000	0.000
116	2/6/2018	11:40:06	0.000	0.000	0.000
117	2/6/2018	11:41:06	0.000	0.000	0.000
118	2/6/2018	11:42:06	0.000	0.000	0.000
119	2/6/2018	11:43:06	0.000	0.000	0.000
120	2/6/2018	11:44:06	0.000	0.000	0.000
121	2/6/2018	11:45:06	0.000	0.000	0.000
122	2/6/2018	11:46:06	0.000	0.000	0.000
123	2/6/2018	11:47:06	0.000	0.000	0.000
124	2/6/2018	11:48:06	0.000	0.000	0.000
125	2/6/2018	11:49:06	0.000	0.000	0.000
126	2/6/2018	11:50:06	0.000	0.000	0.000
127	2/6/2018	11:51:06	0.000	0.000	0.000
128	2/6/2018	11:52:06	0.000	0.000	0.000

			Pine_24759_20180226		
129	2/6/2018	11:53:06	0.000	0.000	0.000
130	2/6/2018	11:54:06	0.000	0.000	0.000
131	2/6/2018	11:55:06	0.000	0.000	0.000
132	2/6/2018	11:56:06	0.000	0.000	0.000
133	2/6/2018	11:57:06	0.000	0.000	0.000
134	2/6/2018	11:58:06	0.000	0.000	0.000
135	2/6/2018	11:59:06	0.000	0.000	0.000
136	2/6/2018	12:00:06	0.000	0.000	0.000
137	2/6/2018	12:01:06	0.000	0.000	0.000
138	2/6/2018	12:02:06	0.000	0.000	0.000
139	2/6/2018	12:03:06	0.000	0.000	0.000
140	2/6/2018	12:04:06	0.000	0.000	0.000
141	2/6/2018	12:05:06	0.000	0.000	0.000
142	2/6/2018	12:06:06	0.000	0.000	0.000
143	2/6/2018	12:07:06	0.000	0.000	0.000
144	2/6/2018	12:08:06	0.000	0.000	0.000
145	2/6/2018	12:09:06	0.000	0.000	0.000
146	2/6/2018	12:10:06	0.000	0.000	0.000
147	2/6/2018	12:11:06	0.000	0.000	0.000
148	2/6/2018	12:12:06	0.000	0.000	0.000
149	2/6/2018	12:13:06	0.000	0.000	0.000
150	2/6/2018	12:14:06	0.000	0.000	0.000
151	2/6/2018	12:15:06	0.000	0.000	0.000
152	2/6/2018	12:16:06	0.000	0.000	0.000
153	2/6/2018	12:17:06	0.000	0.000	0.000
154	2/6/2018	12:18:06	0.000	0.000	0.000
155	2/6/2018	12:19:06	0.000	0.000	0.000
156	2/6/2018	12:20:06	0.000	0.000	0.000
157	2/6/2018	12:21:06	0.000	0.000	0.000
158	2/6/2018	12:22:06	0.000	0.000	0.000
159	2/6/2018	12:23:06	0.000	0.000	0.000
160	2/6/2018	12:24:06	0.000	0.000	0.000
161	2/6/2018	12:25:06	0.000	0.000	0.000
162	2/6/2018	12:26:06	0.000	0.000	0.000
163	2/6/2018	12:27:06	0.000	0.000	0.000
164	2/6/2018	12:28:06	0.000	0.000	0.000
165	2/6/2018	12:29:06	0.000	0.000	0.000
166	2/6/2018	12:30:06	0.000	0.000	0.000
167	2/6/2018	12:31:06	0.000	0.000	0.000
168	2/6/2018	12:32:06	0.000	0.000	0.000
169	2/6/2018	12:33:06	0.000	0.000	0.000
170	2/6/2018	12:34:06	0.000	0.000	0.000
171	2/6/2018	12:35:06	0.000	0.000	0.000
172	2/6/2018	12:36:06	0.000	0.000	0.000
173	2/6/2018	12:37:06	0.000	0.000	0.000
174	2/6/2018	12:38:06	0.000	0.000	0.000
175	2/6/2018	12:39:06	0.000	0.000	0.000
176	2/6/2018	12:40:06	0.000	0.000	0.000

			Pine_24759_20180226		
177	2/6/2018	12:41:06	0.000	0.000	0.000
178	2/6/2018	12:42:06	0.000	0.000	0.000
179	2/6/2018	12:43:06	0.000	0.000	0.000
180	2/6/2018	12:44:06	0.000	0.000	0.000
181	2/6/2018	12:45:06	0.000	0.000	0.000
182	2/6/2018	12:46:06	0.000	0.000	0.000
183	2/6/2018	12:47:06	0.000	0.000	0.000
184	2/6/2018	12:48:06	0.000	0.000	0.000
185	2/6/2018	12:49:06	0.000	0.000	0.000
186	2/6/2018	12:50:06	0.000	0.000	0.000
187	2/6/2018	12:51:06	0.000	0.000	0.000
188	2/6/2018	12:52:06	0.000	0.000	0.000
189	2/6/2018	12:53:06	0.000	0.000	0.000
190	2/6/2018	12:54:06	0.000	0.000	0.000
191	2/6/2018	12:55:06	0.000	0.000	0.000
192	2/6/2018	12:56:06	0.000	0.000	0.000
193	2/6/2018	12:57:06	0.000	0.000	0.000
194	2/6/2018	12:58:06	0.000	0.000	0.000
195	2/6/2018	12:59:06	0.000	0.000	0.000
196	2/6/2018	13:00:06	0.000	0.000	0.000
197	2/6/2018	13:01:06	0.000	0.000	0.000
198	2/6/2018	13:02:06	0.000	0.000	0.000
199	2/6/2018	13:03:06	0.000	0.000	0.000
200	2/6/2018	13:04:06	0.000	0.000	0.000
201	2/6/2018	13:05:06	0.000	0.000	0.000
202	2/6/2018	13:06:06	0.000	0.000	0.000
203	2/6/2018	13:07:06	0.000	0.000	0.000
204	2/6/2018	13:08:06	0.000	0.000	0.000
205	2/6/2018	13:09:06	0.000	0.000	0.000
206	2/6/2018	13:10:06	0.000	0.000	0.000
207	2/6/2018	13:11:06	0.000	0.000	0.000
208	2/6/2018	13:12:06	0.000	0.000	0.000
209	2/6/2018	13:13:06	0.000	0.000	0.000
210	2/6/2018	13:14:06	0.000	0.000	0.000
211	2/6/2018	13:15:06	0.000	0.000	0.000
212	2/6/2018	13:16:06	0.000	0.000	0.000
213	2/6/2018	13:17:06	0.000	0.000	0.000
214	2/6/2018	13:18:06	0.000	0.000	0.000
215	2/6/2018	13:19:06	0.000	0.000	0.000
216	2/6/2018	13:20:06	0.000	0.000	0.000
217	2/6/2018	13:21:06	0.000	0.000	0.000
218	2/6/2018	13:22:06	0.000	0.000	0.000
219	2/6/2018	13:23:06	0.000	0.000	0.000
220	2/6/2018	13:24:06	0.000	0.000	0.000
221	2/6/2018	13:25:06	0.000	0.000	0.000
222	2/6/2018	13:26:06	0.000	0.000	0.000
223	2/6/2018	13:27:06	0.000	0.000	0.000
224	2/6/2018	13:28:06	0.000	0.000	0.000

			Pine_24759_20180226		
225	2/6/2018	13:29:06	0.000	0.000	0.000
226	2/6/2018	13:30:06	0.000	0.000	0.000
227	2/6/2018	13:31:06	0.000	0.000	0.000
228	2/6/2018	13:32:06	0.000	0.000	0.000
229	2/6/2018	13:33:06	0.000	0.000	0.000
230	2/6/2018	13:34:06	0.000	0.000	0.000
231	2/6/2018	13:35:06	0.000	0.000	0.000
232	2/6/2018	13:36:06	0.000	0.000	0.000
233	2/6/2018	13:37:06	0.000	0.000	0.000
234	2/6/2018	13:38:06	0.000	0.000	0.000
235	2/6/2018	13:39:06	0.000	0.000	0.000
236	2/6/2018	13:40:06	0.000	0.000	0.000
237	2/6/2018	13:41:06	0.000	0.000	0.000
238	2/6/2018	13:42:06	0.000	0.000	0.000
239	2/6/2018	13:43:06	0.000	0.000	0.000
240	2/6/2018	13:44:06	0.000	0.000	0.000
241	2/6/2018	13:45:06	0.000	0.000	0.000
242	2/6/2018	13:46:06	0.000	0.000	0.000
243	2/6/2018	13:47:06	0.000	0.000	0.000
244	2/6/2018	13:48:06	0.000	0.000	0.000
245	2/6/2018	13:49:06	0.000	0.000	0.000
246	2/6/2018	13:50:06	0.000	0.000	0.000
247	2/6/2018	13:51:06	0.000	0.000	0.000
248	2/6/2018	13:52:06	0.000	0.000	0.000
249	2/6/2018	13:53:06	0.000	0.000	0.000
250	2/6/2018	13:54:06	0.000	0.000	0.000
251	2/6/2018	13:55:06	0.000	0.000	0.000
252	2/6/2018	13:56:06	0.000	0.000	0.000
253	2/6/2018	13:57:06	0.000	0.000	0.000
254	2/6/2018	13:58:06	0.000	0.000	0.000
255	2/6/2018	13:59:06	0.000	0.000	0.000
256	2/6/2018	14:00:06	0.000	0.000	0.000
257	2/6/2018	14:01:06	0.000	0.000	0.000
258	2/6/2018	14:02:06	0.000	0.000	0.000
259	2/6/2018	14:03:06	0.000	0.000	0.000
260	2/6/2018	14:04:06	0.000	0.000	0.000
261	2/6/2018	14:05:06	0.000	0.000	0.000
262	2/6/2018	14:06:06	0.000	0.000	0.000
263	2/6/2018	14:07:06	0.000	0.000	0.000
264	2/6/2018	14:08:06	0.000	0.000	0.000
265	2/6/2018	14:09:06	0.000	0.000	0.000
266	2/6/2018	14:10:06	0.000	0.000	0.000
267	2/6/2018	14:11:06	0.000	0.000	0.000
268	2/6/2018	14:12:06	0.000	0.000	0.000
269	2/6/2018	14:13:06	0.000	0.000	0.000
270	2/6/2018	14:14:06	0.000	0.000	0.000
271	2/6/2018	14:15:06	0.000	0.000	0.000
272	2/6/2018	14:16:06	0.000	0.000	0.000

			Pine_24759_20180226		
273	2/6/2018	14:17:06	0.000	0.000	0.000
274	2/6/2018	14:18:06	0.000	0.000	0.000
275	2/6/2018	14:19:06	0.000	0.000	0.000
276	2/6/2018	14:20:06	0.000	0.000	0.000
277	2/6/2018	14:21:06	0.000	0.000	0.000
278	2/6/2018	14:22:06	0.000	0.000	0.000
279	2/6/2018	14:23:06	0.000	0.000	0.000
280	2/6/2018	14:24:06	0.000	0.000	0.000
281	2/6/2018	14:25:06	0.000	0.000	0.000
282	2/6/2018	14:26:06	0.000	0.000	0.000
283	2/6/2018	14:27:06	0.000	0.000	0.000
284	2/6/2018	14:28:06	0.000	0.000	0.000
285	2/6/2018	14:29:06	0.000	0.000	0.000
286	2/6/2018	14:30:06	0.000	0.000	0.000
287	2/6/2018	14:31:06	0.000	0.000	0.000
288	2/6/2018	14:32:06	0.000	0.000	0.000
289	2/6/2018	14:33:06	0.000	0.000	0.000
290	2/6/2018	14:34:06	0.000	0.000	0.000
291	2/6/2018	14:35:06	0.000	0.000	0.000
292	2/6/2018	14:36:06	0.000	0.013	0.209
293	2/6/2018	14:37:06	0.000	0.000	0.000
294	2/6/2018	14:38:06	0.000	0.000	0.000
295	2/6/2018	14:39:06	0.000	0.000	0.000
296	2/6/2018	14:40:06	0.000	0.000	0.000
297	2/6/2018	14:41:06	0.000	0.000	0.000
298	2/6/2018	14:42:06	0.000	0.000	0.000
299	2/6/2018	14:43:06	0.000	0.000	0.000
300	2/6/2018	14:44:06	0.000	0.000	0.000
301	2/6/2018	14:45:06	0.000	0.000	0.000
302	2/6/2018	14:46:06	0.000	0.000	0.000
303	2/6/2018	14:47:06	0.000	0.000	0.000
304	2/6/2018	14:48:06	0.000	0.000	0.000
305	2/6/2018	14:49:06	0.000	0.000	0.000
306	2/6/2018	14:50:06	0.000	0.000	0.000
307	2/6/2018	14:51:06	0.000	0.000	0.000
308	2/6/2018	14:52:06	0.000	0.000	0.000
309	2/6/2018	14:53:06	0.000	0.000	0.000
310	2/6/2018	14:54:06	0.000	0.000	0.000
311	2/6/2018	14:55:06	0.000	0.000	0.000
312	2/6/2018	14:56:06	0.000	0.000	0.000
313	2/6/2018	14:57:06	0.000	0.000	0.000
314	2/6/2018	14:58:06	0.000	0.000	0.000
315	2/6/2018	14:59:06	0.000	0.000	0.000
316	2/6/2018	15:00:06	0.000	0.000	0.000
317	2/6/2018	15:01:06	0.000	0.000	0.000
318	2/6/2018	15:02:06	0.000	0.000	0.000
319	2/6/2018	15:03:06	0.000	0.000	0.000
320	2/6/2018	15:04:06	0.000	0.000	0.000

```

Pine_24759_20180226
321      2/6/2018 15:05:06      0.000      0.000      0.000
322      2/6/2018 15:06:06      0.000      0.000      0.000
323      2/6/2018 15:07:06      0.000      0.000      0.000
324      2/6/2018 15:08:06      0.000      0.000      0.000
325      2/6/2018 15:09:06      0.000      0.000      0.000
326      2/6/2018 15:10:06      0.000      0.000      0.000
327      2/6/2018 15:11:06      0.000      0.000      0.000
328      2/6/2018 15:12:06      0.000      0.000      0.000
329      2/6/2018 15:13:06      0.000      0.000      0.000
330      2/6/2018 15:14:06      0.000      0.000      0.000
331      2/6/2018 15:15:06      0.000      0.000      0.000
332      2/6/2018 15:16:06      0.000      0.000      0.000
333      2/6/2018 15:17:06      0.000      0.000      0.000
334      2/6/2018 15:18:06      0.000      0.000      0.000
335      2/6/2018 15:19:06      0.000      0.000      0.000
336      2/6/2018 15:20:06      0.000      0.000      0.000
337      2/6/2018 15:21:06      0.000      0.000      0.000
338      2/6/2018 15:22:06      0.000      0.000      0.000
339      2/6/2018 15:23:06      0.000      0.000      0.000
340      2/6/2018 15:24:06      0.000      0.000      0.000
341      2/6/2018 15:25:06      0.000      0.000      0.000
342      2/6/2018 15:26:06      0.000      0.000      0.000
343      2/6/2018 15:27:06      0.000      0.000      0.000
344      2/6/2018 15:28:06      0.000      0.000      0.000
345      2/6/2018 15:29:06      0.000      0.000      0.000
346      2/6/2018 15:30:06      0.000      0.000      0.000
347      2/6/2018 15:31:06      0.000      0.000      0.000
348      2/6/2018 15:32:06      0.000      0.000      0.000
349      2/6/2018 15:33:06      0.000      0.000      0.000
350      2/6/2018 15:34:06      0.000      0.000      0.000
351      2/6/2018 15:35:06      0.000      0.000      0.000
352      2/6/2018 15:36:06      0.000      0.000      0.000
353      2/6/2018 15:37:06      0.000      0.000      0.000
354      2/6/2018 15:38:06      0.000      0.000      0.000
355      2/6/2018 15:39:06      0.000      0.000      0.000
356      2/6/2018 15:40:06      0.000      0.000      0.000
Peak              0.000      0.013      0.209
Min               0.000      0.000      0.000
Average          0.000      0.000      0.001

```

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18/02/26 14:37

Summary

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Unit Name      MiniRAE 3000(PGM-7320)
Unit SN 592-911219
Unit Firmware Ver      V1.20

```

Pine_24759_20180226

Running Mode Hygiene Mode
Measure Type Min; Avg; Max
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Pause in Communication Mode

Site ID RAE00000
User ID 00000001

Begin 2/26/2018 14:37:12
End 2/26/2018 14:37:44
Sample Period(s) 60
Number of Records 0

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 11/3/2017 08:06

Datalog

0 record.

APPENDIX H

RAW ANALYTICAL LABORATORY DATA



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 5 g

%Moisture: 12.7

TestCode: 8260S TAGML

Lab ID: 0601049-001A

Client Sample ID: BH-20-S

Collection Date: 01/11/06 7:55

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8212.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 12:40
1,1,1-Trichloroethane	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 12:40
1,1,2,2-Tetrachloroethane	ND		2.9	0.18	µg/Kg-dry	1	01/16/06 12:40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 12:40
1,1,2-Trichloroethane	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 12:40
1,1-Dichloroethane	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 12:40
1,1-Dichloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/16/06 12:40
1,1-Dichloropropene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 12:40
1,2,3-Trichlorobenzene	ND		5.7	0.57	µg/Kg-dry	1	01/16/06 12:40
1,2,3-Trichloropropane	ND		2.9	0.19	µg/Kg-dry	1	01/16/06 12:40
1,2,4-Trichlorobenzene	ND		5.7	0.39	µg/Kg-dry	1	01/16/06 12:40
1,2,4-Trimethylbenzene	1.4 J		2.9	0.13	µg/Kg-dry	1	01/16/06 12:40
1,2-Dibromo-3-chloropropane	ND		5.7	0.46	µg/Kg-dry	1	01/16/06 12:40
1,2-Dibromoethane	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 12:40
1,2-Dichlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 12:40
1,2-Dichloroethane	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 12:40
1,2-Dichloropropane	ND		2.9	0.09	µg/Kg-dry	1	01/16/06 12:40
1,3,5-Trimethylbenzene	0.76 J		2.9	0.10	µg/Kg-dry	1	01/16/06 12:40
1,3-Dichlorobenzene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 12:40
1,3-Dichloropropane	ND		2.9	0.09	µg/Kg-dry	1	01/16/06 12:40
1,4-Dichlorobenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 12:40
2,2-Dichloropropane	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 12:40
2-Butanone	2.0 J		11	0.16	µg/Kg-dry	1	01/16/06 12:40
2-Chlorotoluene	ND		2.9	0.08	µg/Kg-dry	1	01/16/06 12:40
2-Hexanone	ND		5.7	0.25	µg/Kg-dry	1	01/16/06 12:40
4-Chlorotoluene	ND		2.9	0.18	µg/Kg-dry	1	01/16/06 12:40
4-Methyl-2-pentanone	ND		5.7	0.28	µg/Kg-dry	1	01/16/06 12:40
Acetone	10 J		11	0.45	µg/Kg-dry	1	01/16/06 12:40
Benzene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 12:40
Bromobenzene	ND		2.9	0.17	µg/Kg-dry	1	01/16/06 12:40
Bromochloromethane	ND		2.9	0.18	µg/Kg-dry	1	01/16/06 12:40
Bromodichloromethane	ND		2.9	0.09	µg/Kg-dry	1	01/16/06 12:40
Bromoform	ND		2.9	0.07	µg/Kg-dry	1	01/16/06 12:40
Bromomethane	ND		5.7	0.34	µg/Kg-dry	1	01/16/06 12:40

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 5 g

%Moisture: 12.7

TestCode: 8260S TAGML

Lab ID: 0601049-001A

Client Sample ID: BH-20-S

Collection Date: 01/11/06 7:55

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8212.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	5.6	2.9		0.07	µg/Kg-dry	1	01/16/06 12:40
Carbon tetrachloride	ND	2.9		0.13	µg/Kg-dry	1	01/16/06 12:40
Chlorobenzene	ND	2.9		0.10	µg/Kg-dry	1	01/16/06 12:40
Chloroethane	ND	5.7		0.33	µg/Kg-dry	1	01/16/06 12:40
Chloroform	ND	2.9		0.05	µg/Kg-dry	1	01/16/06 12:40
Chloromethane	ND	5.7		0.44	µg/Kg-dry	1	01/16/06 12:40
cis-1,2-Dichloroethene	ND	2.9		0.13	µg/Kg-dry	1	01/16/06 12:40
cis-1,3-Dichloropropene	ND	2.9		0.10	µg/Kg-dry	1	01/16/06 12:40
Dibromochloromethane	ND	2.9		0.15	µg/Kg-dry	1	01/16/06 12:40
Dibromomethane	ND	2.9		0.13	µg/Kg-dry	1	01/16/06 12:40
Dichlorodifluoromethane	ND	5.7		0.09	µg/Kg-dry	1	01/16/06 12:40
Ethylbenzene	ND	2.9		0.11	µg/Kg-dry	1	01/16/06 12:40
Hexachlorobutadiene	ND	5.7		0.45	µg/Kg-dry	1	01/16/06 12:40
Isopropylbenzene	ND	2.9		0.09	µg/Kg-dry	1	01/16/06 12:40
Methyl tert-butyl ether	ND	2.9		0.08	µg/Kg-dry	1	01/16/06 12:40
Methylene chloride	1.4 J	5.7		0.46	µg/Kg-dry	1	01/16/06 12:40
n-Butylbenzene	ND	2.9		0.14	µg/Kg-dry	1	01/16/06 12:40
n-Propylbenzene	ND	2.9		0.10	µg/Kg-dry	1	01/16/06 12:40
Naphthalene	ND	5.7		0.42	µg/Kg-dry	1	01/16/06 12:40
p-Isopropyltoluene	ND	2.9		0.10	µg/Kg-dry	1	01/16/06 12:40
sec-Butylbenzene	ND	2.9		0.15	µg/Kg-dry	1	01/16/06 12:40
Styrene	ND	2.9		0.11	µg/Kg-dry	1	01/16/06 12:40
tert-Butylbenzene	ND	2.9		0.15	µg/Kg-dry	1	01/16/06 12:40
Tetrachloroethene	ND	2.9		0.16	µg/Kg-dry	1	01/16/06 12:40
Toluene	1.4 J	2.9		0.14	µg/Kg-dry	1	01/16/06 12:40
trans-1,2-Dichloroethene	ND	2.9		0.11	µg/Kg-dry	1	01/16/06 12:40
trans-1,3-Dichloropropene	ND	2.9		0.10	µg/Kg-dry	1	01/16/06 12:40
Trichloroethene	ND	2.9		0.13	µg/Kg-dry	1	01/16/06 12:40
Trichlorofluoromethane	ND	5.7		0.09	µg/Kg-dry	1	01/16/06 12:40
Vinyl chloride	ND	5.7		0.09	µg/Kg-dry	1	01/16/06 12:40
Xylenes (total)	2.7 J	5.7		0.21	µg/Kg-dry	1	01/16/06 12:40
Surr: 1,2-Dichloroethane-d4	89.6	71-128		0.15	%REC	1	01/16/06 12:40
Surr: 4-Bromofluorobenzene	53.3 S	59-125		0.10	%REC	1	01/16/06 12:40
Surr: Dibromofluoromethane	96.6	40-156		0.21	%REC	1	01/16/06 12:40
Surr: Toluene-d8	82.2	75-125		0.14	%REC	1	01/16/06 12:40

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 5 g

%Moisture: 12.7

TestCode: 8260S TAGML

Lab ID: 0601049-001A

Client Sample ID: BH-20-S

Collection Date: 01/11/06 7:55

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8259.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 15:23
1,1,1-Trichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 15:23
1,1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry	1		01/18/06 15:23
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 15:23
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 15:23
1,1-Dichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 15:23
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/18/06 15:23
1,1-Dichloropropene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 15:23
1,2,3-Trichlorobenzene	ND	5.7	0.57	µg/Kg-dry	1		01/18/06 15:23
1,2,3-Trichloropropane	ND	2.9	0.19	µg/Kg-dry	1		01/18/06 15:23
1,2,4-Trichlorobenzene	ND	5.7	0.39	µg/Kg-dry	1		01/18/06 15:23
1,2,4-Trimethylbenzene	0.77 J	2.9	0.13	µg/Kg-dry	1		01/18/06 15:23
1,2-Dibromo-3-chloropropane	ND	5.7	0.46	µg/Kg-dry	1		01/18/06 15:23
1,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 15:23
1,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 15:23
1,2-Dichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 15:23
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 15:23
1,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 15:23
1,3-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 15:23
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 15:23
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/18/06 15:23
2,2-Dichloropropane	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 15:23
2-Butanone	2.1 J	11	0.16	µg/Kg-dry	1		01/18/06 15:23
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/18/06 15:23
2-Hexanone	ND	5.7	0.25	µg/Kg-dry	1		01/18/06 15:23
4-Chlorotoluene	ND	2.9	0.18	µg/Kg-dry	1		01/18/06 15:23
4-Methyl-2-pentanone	ND	5.7	0.28	µg/Kg-dry	1		01/18/06 15:23
Acetone	10 J	11	0.45	µg/Kg-dry	1		01/18/06 15:23
Benzene	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 15:23
Bromobenzene	ND	2.9	0.17	µg/Kg-dry	1		01/18/06 15:23
Bromochloromethane	ND	2.9	0.18	µg/Kg-dry	1		01/18/06 15:23
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 15:23
Bromoform	ND	2.9	0.07	µg/Kg-dry	1		01/18/06 15:23
Bromomethane	ND	5.7	0.34	µg/Kg-dry	1		01/18/08 15:23

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 5 g

%Moisture: 12.7

TestCode: 8260S TAGML

Lab ID: 0601049-001A

Client Sample ID: BH-20-S

Collection Date: 01/11/06 7:55

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8259.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	3.0		2.9	0.07	µg/Kg-dry	1	01/18/06 15:23
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 15:23
Chlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 15:23
Chloroethane	ND		5.7	0.33	µg/Kg-dry	1	01/18/06 15:23
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/18/06 15:23
Chloromethane	ND		5.7	0.44	µg/Kg-dry	1	01/18/06 15:23
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 15:23
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 15:23
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 15:23
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 15:23
Dichlorodifluoromethane	ND		5.7	0.09	µg/Kg-dry	1	01/18/06 15:23
Ethylbenzene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 15:23
Hexachlorobutadiene	ND		5.7	0.45	µg/Kg-dry	1	01/18/06 15:23
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/18/06 15:23
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/18/06 15:23
Methylene chloride	1.4 J		5.7	0.46	µg/Kg-dry	1	01/18/06 15:23
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/18/06 15:23
n-Propylbenzene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 15:23
Naphthalene	ND		5.7	0.42	µg/Kg-dry	1	01/18/06 15:23
p-Isopropyltoluene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 15:23
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 15:23
Styrene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 15:23
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 15:23
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/18/06 15:23
Toluene	1.1 J		2.9	0.14	µg/Kg-dry	1	01/18/06 15:23
trans-1,2-Dichloroethene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 15:23
trans-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 15:23
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 15:23
Trichlorofluoromethane	ND		5.7	0.09	µg/Kg-dry	1	01/18/06 15:23
Vinyl chloride	ND		5.7	0.09	µg/Kg-dry	1	01/18/06 15:23
Xylenes (total)	1.4 J		5.7	0.21	µg/Kg-dry	1	01/18/06 15:23
Surr: 1,2-Dichloroethane-d4	87.0		71-128	0.15	%REC	1	01/18/06 15:23
Surr: 4-Bromofluorobenzene	60.6		59-125	0.10	%REC	1	01/18/06 15:23
Surr: Dibromofluoromethane	87.6		40-156	0.21	%REC	1	01/18/06 15:23
Surr: Toluene-d8	84.1		75-125	0.14	%REC	1	01/18/06 15:23

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 4.98 g

%Moisture: 13.2

TestCode: 8260S TAGML

Lab ID: 0601049-002A

Client Sample ID: BH-20-D

Collection Date: 01/11/06 8:05

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8213.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 13:15
1,1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 13:15
1,1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry	1		01/16/06 13:15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 13:15
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 13:15
1,1-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 13:15
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/16/06 13:15
1,1-Dichloropropene	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 13:15
1,2,3-Trichlorobenzene	ND	5.8	0.58	µg/Kg-dry	1		01/16/06 13:15
1,2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry	1		01/16/06 13:15
1,2,4-Trichlorobenzene	ND	5.8	0.39	µg/Kg-dry	1		01/16/06 13:15
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 13:15
1,2-Dibromo-3-chloropropane	ND	5.8	0.46	µg/Kg-dry	1		01/16/06 13:15
1,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 13:15
1,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 13:15
1,2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 13:15
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 13:15
1,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 13:15
1,3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 13:15
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 13:15
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/16/06 13:15
2,2-Dichloropropane	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 13:15
2-Butanone	1.8 J	12	0.16	µg/Kg-dry	1		01/16/06 13:15
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/16/06 13:15
2-Hexanone	ND	5.8	0.25	µg/Kg-dry	1		01/16/06 13:15
4-Chlorotoluene	ND	2.9	0.18	µg/Kg-dry	1		01/16/06 13:15
4-Methyl-2-pentanone	ND	5.8	0.28	µg/Kg-dry	1		01/16/06 13:15
Acetone	4.4 J	12	0.45	µg/Kg-dry	1		01/16/06 13:15
Benzene	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 13:15
Bromobenzene	ND	2.9	0.17	µg/Kg-dry	1		01/16/06 13:15
Bromochloromethane	ND	2.9	0.18	µg/Kg-dry	1		01/16/06 13:15
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 13:15
Bromofom	ND	2.9	0.07	µg/Kg-dry	1		01/16/06 13:15
Bromomethane	ND	5.8	0.35	µg/Kg-dry	1		01/16/06 13:15

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

**Life Science Laboratories, Inc.**

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.**Project:** Geneva Foundry**W Order:** 0601049**Matrix:** SOIL**Inst. ID:** MS03 10**ColumnID:** Rtx-VMS**Revision:** 01/20/06 9:58:21 A**Sample Size:** 4.98 g**%Moisture:** 13.2**TestCode:** 8260S TAGML**Lab ID:** 0601049-002A**Client Sample ID:** BH-20-D**Collection Date:** 01/11/06 8:05**Date Received:** 01/12/06 7:50**PrepDate:****BatchNo:** R4188**FileID:** 1-SAMP-J8213.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	2.2	J	2.9	0.07	µg/Kg-dry	1	01/16/06 13:15
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 13:15
Chlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 13:15
Chloroethane	ND		5.8	0.33	µg/Kg-dry	1	01/16/06 13:15
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/16/06 13:15
Chloromethane	ND		5.8	0.44	µg/Kg-dry	1	01/16/06 13:15
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 13:15
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 13:15
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 13:15
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 13:15
Dichlorodifluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/16/06 13:15
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 13:15
Hexachlorobutadiene	ND		5.8	0.45	µg/Kg-dry	1	01/16/06 13:15
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/16/06 13:15
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/16/06 13:15
Methylene chloride	1.4	J	5.8	0.46	µg/Kg-dry	1	01/16/06 13:15
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/16/06 13:15
n-Propylbenzene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 13:15
Naphthalene	ND		5.8	0.43	µg/Kg-dry	1	01/16/06 13:15
p-Isopropyltoluene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 13:15
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 13:15
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 13:15
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 13:15
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/16/06 13:15
Toluene	0.93	J	2.9	0.14	µg/Kg-dry	1	01/16/06 13:15
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 13:15
trans-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 13:15
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 13:15
Trichlorofluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/16/06 13:15
Vinyl chloride	ND		5.8	0.09	µg/Kg-dry	1	01/16/06 13:15
Xylenes (total)	0.98	J	5.8	0.21	µg/Kg-dry	1	01/16/06 13:15
Surr: 1,2-Dichloroethane-d4	87.5		71-128	0.15	%REC	1	01/16/06 13:15
Surr: 4-Bromofluorobenzene	62.7		59-125	0.10	%REC	1	01/16/06 13:15
Surr: Dibromofluoromethane	101		40-156	0.21	%REC	1	01/16/06 13:15
Surr: Toluene-d8	89.9		75-125	0.14	%REC	1	01/16/06 13:15

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 4.99 g

%Moisture: 13.2

TestCode: 8260S TAGML

Lab ID: 0601049-002A

Client Sample ID: BH-20-D

Collection Date: 01/11/06 8:05

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8260.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 15:58
1,1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 15:58
1,1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry	1		01/18/06 15:58
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 15:58
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 15:58
1,1-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 15:58
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/18/06 15:58
1,1-Dichloropropene	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 15:58
1,2,3-Trichlorobenzene	ND	5.8	0.58	µg/Kg-dry	1		01/18/06 15:58
1,2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry	1		01/18/06 15:58
1,2,4-Trichlorobenzene	ND	5.8	0.39	µg/Kg-dry	1		01/18/06 15:58
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 15:58
1,2-Dibromo-3-chloropropane	ND	5.8	0.46	µg/Kg-dry	1		01/18/06 15:58
1,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 15:58
1,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 15:58
1,2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 15:58
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 15:58
1,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 15:58
1,3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 15:58
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 15:58
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/18/06 15:58
2,2-Dichloropropane	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 15:58
2-Butanone	ND	12	0.16	µg/Kg-dry	1		01/18/06 15:58
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/18/06 15:58
2-Hexanone	ND	5.8	0.25	µg/Kg-dry	1		01/18/06 15:58
4-Chlorotoluene	ND	2.9	0.18	µg/Kg-dry	1		01/18/06 15:58
4-Methyl-2-pentanone	ND	5.8	0.28	µg/Kg-dry	1		01/18/06 15:58
Acetone	2.9 J	12	0.45	µg/Kg-dry	1		01/18/06 15:58
Benzene	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 15:58
Bromobenzene	ND	2.9	0.17	µg/Kg-dry	1		01/18/06 15:58
Bromochloromethane	ND	2.9	0.18	µg/Kg-dry	1		01/18/06 15:58
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 15:58
Bromoform	ND	2.9	0.07	µg/Kg-dry	1		01/18/06 15:58
Bromomethane	ND	5.8	0.35	µg/Kg-dry	1		01/18/06 15:58

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 4.99 g

%Moisture: 13.2

TestCode: 8260S TAGML

Lab ID: 0601049-002A

Client Sample ID: BH-20-D

Collection Date: 01/11/06 8:05

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8260.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	1.1	J	2.9	0.07	µg/Kg-dry	1	01/18/06 15:58
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 15:58
Chlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 15:58
Chloroethane	ND		5.8	0.33	µg/Kg-dry	1	01/18/06 15:58
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/18/06 15:58
Chloromethane	ND		5.8	0.44	µg/Kg-dry	1	01/18/06 15:58
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 15:58
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 15:58
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 15:58
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 15:58
Dichlorodifluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/18/06 15:58
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 15:58
Hexachlorobutadiene	ND		5.8	0.45	µg/Kg-dry	1	01/18/06 15:58
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/18/06 15:58
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/18/06 15:58
Methylene chloride	1.2	J	5.8	0.48	µg/Kg-dry	1	01/18/06 15:58
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/18/06 15:58
n-Propylbenzene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 15:58
Naphthalene	ND		5.8	0.43	µg/Kg-dry	1	01/18/06 15:58
p-Isopropyltoluene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 15:58
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 15:58
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 15:58
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 15:58
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/18/06 15:58
Toluene	0.62	J	2.9	0.14	µg/Kg-dry	1	01/18/06 15:58
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 15:58
trans-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 15:58
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 15:58
Trichlorofluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/18/06 15:58
Vinyl chloride	ND		5.8	0.09	µg/Kg-dry	1	01/18/06 15:58
Xylenes (total)	0.74	J	5.8	0.21	µg/Kg-dry	1	01/18/06 15:58
Surr: 1,2-Dichloroethane-d4	88.1		71-128	0.15	%REC	1	01/18/06 15:58
Surr: 4-Bromofluorobenzene	62.0		59-125	0.10	%REC	1	01/18/06 15:58
Surr: Dibromofluoromethane	99.4		40-156	0.21	%REC	1	01/18/06 15:58
Surr: Toluene-d8	89.0		75-125	0.14	%REC	1	01/18/06 15:58

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.98 g

ColumnID: Rtx-VMS

%Moisture: 13.5

Revision: 01/20/06 9:58:21 A

TestCode: 8260S TAGML

Lab ID: 0601049-003A

Client Sample ID: BH-21-S

Collection Date: 01/10/06 15:15

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8214.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 13:50
1,1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 13:50
1,1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry	1		01/16/06 13:50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 13:50
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 13:50
1,1-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 13:50
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/16/06 13:50
1,1-Dichloropropene	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 13:50
1,2,3-Trichlorobenzene	ND	5.8	0.58	µg/Kg-dry	1		01/16/06 13:50
1,2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry	1		01/16/06 13:50
1,2,4-Trichlorobenzene	ND	5.8	0.39	µg/Kg-dry	1		01/16/06 13:50
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 13:50
1,2-Dibromo-3-chloropropane	ND	5.8	0.46	µg/Kg-dry	1		01/16/06 13:50
1,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 13:50
1,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 13:50
1,2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 13:50
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 13:50
1,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 13:50
1,3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 13:50
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 13:50
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/16/06 13:50
2,2-Dichloropropane	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 13:50
2-Butanone	ND	12	0.16	µg/Kg-dry	1		01/16/06 13:50
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/16/06 13:50
2-Hexanone	ND	5.8	0.25	µg/Kg-dry	1		01/16/06 13:50
4-Chlorotoluene	ND	2.9	0.18	µg/Kg-dry	1		01/16/06 13:50
4-Methyl-2-pentanone	ND	5.8	0.28	µg/Kg-dry	1		01/16/06 13:50
Acetone	3.0 J	12	0.45	µg/Kg-dry	1		01/16/06 13:50
Benzene	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 13:50
Bromobenzene	ND	2.9	0.17	µg/Kg-dry	1		01/16/06 13:50
Bromochloromethane	ND	2.9	0.18	µg/Kg-dry	1		01/16/06 13:50
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 13:50
Bromoform	ND	2.9	0.07	µg/Kg-dry	1		01/16/06 13:50
Bromomethane	ND	5.8	0.35	µg/Kg-dry	1		01/16/06 13:50

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 4.98 g

%Moisture: 13.5

TestCode: 8260S TAGML

Lab ID: 0601049-003A

Client Sample ID: BH-21-S

Collection Date: 01/10/06 15:15

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8214.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		2.9	0.07	µg/Kg-dry	1	01/16/06 13:50
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 13:50
Chlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 13:50
Chloroethane	ND		5.8	0.34	µg/Kg-dry	1	01/16/06 13:50
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/16/06 13:50
Chloromethane	ND		5.8	0.44	µg/Kg-dry	1	01/16/06 13:50
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 13:50
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 13:50
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 13:50
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 13:50
Dichlorodifluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/16/06 13:50
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 13:50
Hexachlorobutadiene	ND		5.8	0.45	µg/Kg-dry	1	01/16/06 13:50
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/16/06 13:50
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/16/06 13:50
Methylene chloride	0.95 J		5.8	0.46	µg/Kg-dry	1	01/16/06 13:50
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/16/06 13:50
n-Propylbenzene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 13:50
Naphthalene	ND		5.8	0.43	µg/Kg-dry	1	01/16/06 13:50
p-Isopropyltoluene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 13:50
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 13:50
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 13:50
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 13:50
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/16/06 13:50
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/16/06 13:50
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 13:50
trans-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 13:50
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 13:50
Trichlorofluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/16/06 13:50
Vinyl chloride	ND		5.8	0.09	µg/Kg-dry	1	01/16/06 13:50
Xylenes (total)	ND		5.8	0.21	µg/Kg-dry	1	01/16/06 13:50
Surr. 1,2-Dichloroethane-d4	86.9		71-128	0.15	%REC	1	01/16/06 13:50
Surr. 4-Bromofluorobenzene	58.0 S		59-125	0.10	%REC	1	01/16/06 13:50
Surr. Dibromofluoromethane	101		40-156	0.21	%REC	1	01/16/06 13:50
Surr. Toluene-d8	84.9		75-125	0.14	%REC	1	01/16/06 13:50

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 4.98 g

%Moisture: 13.5

TestCode: 8260S TAGML

Lab ID: 0601049-003A

Client Sample ID: BH-21-S

Collection Date: 01/10/06 15:15

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8261.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 16:33
1,1,1-Trichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 16:33
1,1,2,2-Tetrachloroethane	ND		2.9	0.18	µg/Kg-dry	1	01/18/06 16:33
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 16:33
1,1,2-Trichloroethane	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 16:33
1,1-Dichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 16:33
1,1-Dichloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/18/06 16:33
1,1-Dichloropropene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 16:33
1,2,3-Trichlorobenzene	ND		5.8	0.58	µg/Kg-dry	1	01/18/06 16:33
1,2,3-Trichloropropane	ND		2.9	0.20	µg/Kg-dry	1	01/18/06 16:33
1,2,4-Trichlorobenzene	ND		5.8	0.39	µg/Kg-dry	1	01/18/06 16:33
1,2,4-Trimethylbenzene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 16:33
1,2-Dibromo-3-chloropropane	ND		5.8	0.46	µg/Kg-dry	1	01/18/06 16:33
1,2-Dibromoethane	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 16:33
1,2-Dichlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 16:33
1,2-Dichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 16:33
1,2-Dichloropropane	ND		2.9	0.09	µg/Kg-dry	1	01/18/06 16:33
1,3,5-Trimethylbenzene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 16:33
1,3-Dichlorobenzene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 16:33
1,3-Dichloropropane	ND		2.9	0.09	µg/Kg-dry	1	01/18/06 16:33
1,4-Dichlorobenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 16:33
2,2-Dichloropropane	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 16:33
2-Butanone	ND		12	0.16	µg/Kg-dry	1	01/18/06 16:33
2-Chlorotoluene	ND		2.9	0.08	µg/Kg-dry	1	01/18/06 16:33
2-Hexanone	ND		5.8	0.25	µg/Kg-dry	1	01/18/06 16:33
4-Chlorotoluene	ND		2.9	0.18	µg/Kg-dry	1	01/18/06 16:33
4-Methyl-2-pentanone	ND		5.8	0.28	µg/Kg-dry	1	01/18/06 16:33
Acetone	2.0 J		12	0.45	µg/Kg-dry	1	01/18/06 16:33
Benzene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 16:33
Bromobenzene	ND		2.9	0.17	µg/Kg-dry	1	01/18/06 16:33
Bromochloromethane	ND		2.9	0.18	µg/Kg-dry	1	01/18/06 16:33
Bromodichloromethane	ND		2.9	0.09	µg/Kg-dry	1	01/18/06 16:33
Bromoform	ND		2.9	0.07	µg/Kg-dry	1	01/18/06 16:33
Bromomethane	ND		5.8	0.35	µg/Kg-dry	1	01/18/06 16:33

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.98 g

ColumnID: Rtx-VMS

%Moisture: 13.5

Revision: 01/19/06 2:30:18 P

TestCode: 8260S TAGML

Lab ID: 0601049-003A

Client Sample ID: BH-21-S

Collection Date: 01/10/06 15:15

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8261.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		2.9	0.07	µg/Kg-dry	1	01/18/06 16:33
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 16:33
Chlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 16:33
Chloroethane	ND		5.8	0.34	µg/Kg-dry	1	01/18/06 16:33
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/18/06 16:33
Chloromethane	ND		5.8	0.44	µg/Kg-dry	1	01/18/06 16:33
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 16:33
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 16:33
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 16:33
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 16:33
Dichlorodifluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/18/06 16:33
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 16:33
Hexachlorobutadiene	ND		5.8	0.45	µg/Kg-dry	1	01/18/06 16:33
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/18/06 16:33
Methyl tert-butyl ether	ND		2.9	0.06	µg/Kg-dry	1	01/18/06 16:33
Methylene chloride	1.3 J		5.8	0.46	µg/Kg-dry	1	01/18/06 16:33
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/18/06 16:33
n-Propylbenzene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 16:33
Naphthalene	ND		5.8	0.43	µg/Kg-dry	1	01/18/06 16:33
p-Isopropyltoluene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 16:33
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 16:33
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 16:33
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 16:33
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/18/06 16:33
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/18/06 16:33
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 16:33
trans-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 16:33
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 16:33
Trichlorofluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/18/06 16:33
Vinyl chloride	ND		5.8	0.09	µg/Kg-dry	1	01/18/06 16:33
Xylenes (total)	ND		5.8	0.21	µg/Kg-dry	1	01/18/06 16:33
Surr: 1,2-Dichloroethane-d4	88.6		71-128	0.15	%REC	1	01/18/06 16:33
Surr: 4-Bromofluorobenzene	52.8 S		59-125	0.10	%REC	1	01/18/06 16:33
Surr: Dibromofluoromethane	102		40-156	0.21	%REC	1	01/18/06 16:33
Surr: Toluene-d8	82.2		75-125	0.14	%REC	1	01/18/06 16:33

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 4.98 g

%Moisture: 15.0

TestCode: 8260S TAGML

Lab ID: 0601049-004A

Client Sample ID: BH-21-D

Collection Date: 01/10/06 15:25

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8215.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 14:25
1,1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 14:25
1,1,2,2-Tetrachloroethane	ND	2.9	0.19	µg/Kg-dry	1		01/16/06 14:25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 14:25
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 14:25
1,1-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 14:25
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/16/06 14:25
1,1-Dichloropropene	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 14:25
1,2,3-Trichlorobenzene	ND	5.9	0.59	µg/Kg-dry	1		01/16/06 14:25
1,2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry	1		01/16/06 14:25
1,2,4-Trichlorobenzene	ND	5.9	0.40	µg/Kg-dry	1		01/16/06 14:25
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 14:25
1,2-Dibromo-3-chloropropane	ND	5.9	0.47	µg/Kg-dry	1		01/16/06 14:25
1,2-Dibromoethane	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 14:25
1,2-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 14:25
1,2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 14:25
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 14:25
1,3,5-Trimethylbenzene	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 14:25
1,3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 14:25
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 14:25
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/16/06 14:25
2,2-Dichloropropane	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 14:25
2-Butanone	ND	12	0.16	µg/Kg-dry	1		01/16/06 14:25
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/16/06 14:25
2-Hexanone	ND	5.9	0.26	µg/Kg-dry	1		01/16/06 14:25
4-Chlorotoluene	ND	2.9	0.19	µg/Kg-dry	1		01/16/06 14:25
4-Methyl-2-pentanone	ND	5.9	0.28	µg/Kg-dry	1		01/16/06 14:25
Acetone	2.5 J	12	0.46	µg/Kg-dry	1		01/16/06 14:25
Benzene	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 14:25
Bromobenzene	ND	2.9	0.18	µg/Kg-dry	1		01/16/06 14:25
Bromochloromethane	ND	2.9	0.19	µg/Kg-dry	1		01/16/06 14:25
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 14:25
Bromofom	ND	2.9	0.07	µg/Kg-dry	1		01/16/06 14:25
Bromomethane	ND	5.9	0.35	µg/Kg-dry	1		01/16/06 14:25

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 4.98 g

%Moisture: 15.0

TestCode: 8260S TAGML

Lab ID: 0601049-004A

Client Sample ID: BH-21-D

Collection Date: 01/10/06 15:25

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8215.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	0.66	J	2.9	0.07	µg/Kg-dry	1	01/16/06 14:25
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 14:25
Chlorobenzene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 14:25
Chloroethane	ND		5.9	0.34	µg/Kg-dry	1	01/16/06 14:25
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/16/06 14:25
Chloromethane	ND		5.9	0.45	µg/Kg-dry	1	01/16/06 14:25
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 14:25
cis-1,3-Dichloropropene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 14:25
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 14:25
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 14:25
Dichlorodifluoromethane	ND		5.9	0.09	µg/Kg-dry	1	01/16/06 14:25
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 14:25
Hexachlorobutadiene	ND		5.9	0.46	µg/Kg-dry	1	01/16/06 14:25
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/16/06 14:25
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/16/06 14:25
Methylene chloride	0.72	J	5.9	0.47	µg/Kg-dry	1	01/16/06 14:25
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/16/06 14:25
n-Propylbenzene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 14:25
Naphthalene	ND		5.9	0.44	µg/Kg-dry	1	01/16/06 14:25
p-Isopropyltoluene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 14:25
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 14:25
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 14:25
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 14:25
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/16/06 14:25
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/16/06 14:25
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 14:25
trans-1,3-Dichloropropene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 14:25
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 14:25
Trichlorofluoromethane	ND		5.9	0.09	µg/Kg-dry	1	01/16/06 14:25
Vinyl chloride	ND		5.9	0.09	µg/Kg-dry	1	01/16/06 14:25
Xylenes (total)	ND		5.9	0.21	µg/Kg-dry	1	01/16/06 14:25
Surr: 1,2-Dichloroethane-d4	88.6		71-128	0.15	%REC	1	01/16/06 14:25
Surr: 4-Bromofluorobenzene	62.5		59-125	0.11	%REC	1	01/16/06 14:25
Surr: Dibromofluoromethane	102		40-156	0.21	%REC	1	01/16/06 14:25
Surr: Toluene-d8	89.3		75-125	0.14	%REC	1	01/16/06 14:25

Qualifiers:

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 4.99 g

%Moisture: 15.0

TestCode: 8260S TAGML

Lab ID: 0601049-004A

Client Sample ID: BH-21-D

Collection Date: 01/10/06 15:25

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8262.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 17:08
1,1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 17:08
1,1,2,2-Tetrachloroethane	ND	2.9	0.19	µg/Kg-dry	1		01/18/06 17:08
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 17:08
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 17:08
1,1-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 17:08
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/18/06 17:08
1,1-Dichloropropene	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 17:08
1,2,3-Trichlorobenzene	ND	5.9	0.59	µg/Kg-dry	1		01/18/06 17:08
1,2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry	1		01/18/06 17:08
1,2,4-Trichlorobenzene	ND	5.9	0.40	µg/Kg-dry	1		01/18/06 17:08
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 17:08
1,2-Dibromo-3-chloropropane	ND	5.9	0.47	µg/Kg-dry	1		01/18/06 17:08
1,2-Dibromoethane	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 17:08
1,2-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 17:08
1,2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 17:08
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 17:08
1,3,5-Trimethylbenzene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 17:08
1,3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 17:08
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 17:08
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/18/06 17:08
2,2-Dichloropropane	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 17:08
2-Butanone	ND	12	0.16	µg/Kg-dry	1		01/18/06 17:08
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/18/06 17:08
2-Hexanone	ND	5.9	0.26	µg/Kg-dry	1		01/18/06 17:08
4-Chlorotoluene	ND	2.9	0.19	µg/Kg-dry	1		01/18/06 17:08
4-Methyl-2-pentanone	ND	5.9	0.28	µg/Kg-dry	1		01/18/06 17:08
Acetone	1.5 J	12	0.46	µg/Kg-dry	1		01/18/06 17:08
Benzene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 17:08
Bromobenzene	ND	2.9	0.18	µg/Kg-dry	1		01/18/06 17:08
Bromochloromethane	ND	2.9	0.19	µg/Kg-dry	1		01/18/06 17:08
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 17:08
Bromoform	ND	2.9	0.07	µg/Kg-dry	1		01/18/06 17:08
Bromomethane	ND	5.9	0.35	µg/Kg-dry	1		01/18/06 17:08

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.99 g

ColumnID: Rtx-VMS

%Moisture: 15.0

Revision: 01/19/06 2:30:18 P

TestCode: 8260S TAGML

Lab ID: 0601049-004A

Client Sample ID: BH-21-D

Collection Date: 01/10/06 15:25

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8262.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	0.84	J	2.9	0.07	µg/Kg-dry	1	01/18/06 17:08
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 17:08
Chlorobenzene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 17:08
Chloroethane	ND		5.9	0.34	µg/Kg-dry	1	01/18/06 17:08
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/18/06 17:08
Chloromethane	ND		5.9	0.45	µg/Kg-dry	1	01/18/06 17:08
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 17:08
cis-1,3-Dichloropropene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 17:08
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 17:08
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 17:08
Dichlorodifluoromethane	ND		5.9	0.09	µg/Kg-dry	1	01/18/06 17:08
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 17:08
Hexachlorobutadiene	ND		5.9	0.46	µg/Kg-dry	1	01/18/06 17:08
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/18/06 17:08
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/18/06 17:08
Methylene chloride	0.78	J	5.9	0.47	µg/Kg-dry	1	01/18/06 17:08
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/18/06 17:08
n-Propylbenzene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 17:08
Naphthalene	ND		5.9	0.44	µg/Kg-dry	1	01/18/06 17:08
p-Isopropyltoluene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 17:08
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 17:08
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 17:08
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 17:08
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/18/06 17:08
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/18/06 17:08
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 17:08
trans-1,3-Dichloropropene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 17:08
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 17:08
Trichlorofluoromethane	ND		5.9	0.09	µg/Kg-dry	1	01/18/06 17:08
Vinyl chloride	ND		5.9	0.09	µg/Kg-dry	1	01/18/06 17:08
Xylenes (total)	ND		5.9	0.21	µg/Kg-dry	1	01/18/06 17:08
Surr. 1,2-Dichloroethane-d4	89.1		71-128	0.15	%REC	1	01/18/06 17:08
Surr. 4-Bromofluorobenzene	57.8	S	59-125	0.11	%REC	1	01/18/06 17:08
Surr. Dibromofluoromethane	101		40-156	0.21	%REC	1	01/18/06 17:08
Surr. Toluene-d8	86.2		75-125	0.14	%REC	1	01/18/06 17:08

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 5 g

%Moisture: 14.8

TestCode: 8260S TAGML

Lab ID: 0601049-005A

Client Sample ID: BH-22-S

Collection Date: 01/10/06 13:00

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8216.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 15:00
1,1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 15:00
1,1,2,2-Tetrachloroethane	ND	2.9	0.19	µg/Kg-dry	1		01/16/06 15:00
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 15:00
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 15:00
1,1-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 15:00
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/16/06 15:00
1,1-Dichloropropene	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 15:00
1,2,3-Trichlorobenzene	ND	5.9	0.59	µg/Kg-dry	1		01/16/06 15:00
1,2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry	1		01/16/06 15:00
1,2,4-Trichlorobenzene	ND	5.9	0.40	µg/Kg-dry	1		01/16/06 15:00
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 15:00
1,2-Dibromo-3-chloropropane	ND	5.9	0.47	µg/Kg-dry	1		01/16/06 15:00
1,2-Dibromoethane	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 15:00
1,2-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 15:00
1,2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 15:00
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 15:00
1,3,5-Trimethylbenzene	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 15:00
1,3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dry	1		01/16/06 15:00
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 15:00
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/16/06 15:00
2,2-Dichloropropane	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 15:00
2-Butanone	ND	12	0.16	µg/Kg-dry	1		01/16/06 15:00
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/16/06 15:00
2-Hexanone	ND	5.9	0.26	µg/Kg-dry	1		01/16/06 15:00
4-Chlorotoluene	ND	2.9	0.19	µg/Kg-dry	1		01/16/06 15:00
4-Methyl-2-pentanone	ND	5.9	0.28	µg/Kg-dry	1		01/16/06 15:00
Acetone	2.1 J	12	0.46	µg/Kg-dry	1		01/16/06 15:00
Benzene	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 15:00
Bromobenzene	ND	2.9	0.18	µg/Kg-dry	1		01/16/06 15:00
Bromochloromethane	ND	2.9	0.19	µg/Kg-dry	1		01/16/06 15:00
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 15:00
Bromoform	ND	2.9	0.07	µg/Kg-dry	1		01/16/06 15:00
Bromomethane	ND	5.9	0.35	µg/Kg-dry	1		01/16/06 15:00

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 5 g

%Moisture: 14.8

TestCode: 8260S TAGML

Lab ID: 0601049-005A

Client Sample ID: BH-22-S

Collection Date: 01/10/06 13:00

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8216.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		2.9	0.07	µg/Kg-dry	1	01/16/06 15:00
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 15:00
Chlorobenzene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 15:00
Chloroethane	ND		5.9	0.34	µg/Kg-dry	1	01/16/06 15:00
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/16/06 15:00
Chloromethane	ND		5.9	0.45	µg/Kg-dry	1	01/16/06 15:00
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 15:00
cis-1,3-Dichloropropene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 15:00
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 15:00
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 15:00
Dichlorodifluoromethane	ND		5.9	0.09	µg/Kg-dry	1	01/16/06 15:00
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 15:00
Hexachlorobutadiene	ND		5.9	0.46	µg/Kg-dry	1	01/16/06 15:00
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/16/06 15:00
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/16/06 15:00
Methylene chloride	0.68	J	5.9	0.47	µg/Kg-dry	1	01/16/06 15:00
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/16/06 15:00
n-Propylbenzene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 15:00
Naphthalene	ND		5.9	0.43	µg/Kg-dry	1	01/16/06 15:00
p-Isopropyltoluene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 15:00
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 15:00
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 15:00
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 15:00
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/16/06 15:00
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/16/06 15:00
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 15:00
trans-1,3-Dichloropropene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 15:00
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 15:00
Trichlorofluoromethane	ND		5.9	0.09	µg/Kg-dry	1	01/16/06 15:00
Vinyl chloride	ND		5.9	0.09	µg/Kg-dry	1	01/16/06 15:00
Xylenes (total)	ND		5.9	0.21	µg/Kg-dry	1	01/16/06 15:00
Surr: 1,2-Dichloroethane-d4	86.1		71-128	0.15	%REC	1	01/16/06 15:00
Surr: 4-Bromofluorobenzene	57.9	S	59-125	0.11	%REC	1	01/16/06 15:00
Surr: Dibromofluoromethane	104		40-156	0.21	%REC	1	01/16/06 15:00
Surr: Toluene-d8	84.8		75-125	0.14	%REC	1	01/16/06 15:00

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 4.99 g

%Moisture: 14.8

TestCode: 8260S TAGML

Lab ID: 0601049-005A

Client Sample ID: BH-22-S

Collection Date: 01/10/06 13:00

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8263.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13		µg/Kg-dry	1	01/18/06 17:43
1,1,1-Trichloroethane	ND	2.9	0.12		µg/Kg-dry	1	01/18/06 17:43
1,1,2,2-Tetrachloroethane	ND	2.9	0.19		µg/Kg-dry	1	01/18/06 17:43
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.12		µg/Kg-dry	1	01/18/06 17:43
1,1,2-Trichloroethane	ND	2.9	0.13		µg/Kg-dry	1	01/18/06 17:43
1,1-Dichloroethane	ND	2.9	0.12		µg/Kg-dry	1	01/18/06 17:43
1,1-Dichloroethene	ND	2.9	0.16		µg/Kg-dry	1	01/18/06 17:43
1,1-Dichloropropene	ND	2.9	0.12		µg/Kg-dry	1	01/18/06 17:43
1,2,3-Trichlorobenzene	ND	5.9	0.59		µg/Kg-dry	1	01/18/06 17:43
1,2,3-Trichloropropane	ND	2.9	0.20		µg/Kg-dry	1	01/18/06 17:43
1,2,4-Trichlorobenzene	ND	5.9	0.40		µg/Kg-dry	1	01/18/06 17:43
1,2,4-Trimethylbenzene	ND	2.9	0.13		µg/Kg-dry	1	01/18/06 17:43
1,2-Dibromo-3-chloropropane	ND	5.9	0.47		µg/Kg-dry	1	01/18/06 17:43
1,2-Dibromoethane	ND	2.9	0.11		µg/Kg-dry	1	01/18/06 17:43
1,2-Dichlorobenzene	ND	2.9	0.11		µg/Kg-dry	1	01/18/06 17:43
1,2-Dichloroethane	ND	2.9	0.12		µg/Kg-dry	1	01/18/06 17:43
1,2-Dichloropropane	ND	2.9	0.09		µg/Kg-dry	1	01/18/06 17:43
1,3,5-Trimethylbenzene	ND	2.9	0.11		µg/Kg-dry	1	01/18/06 17:43
1,3-Dichlorobenzene	ND	2.9	0.12		µg/Kg-dry	1	01/18/06 17:43
1,3-Dichloropropane	ND	2.9	0.09		µg/Kg-dry	1	01/18/06 17:43
1,4-Dichlorobenzene	ND	2.9	0.15		µg/Kg-dry	1	01/18/06 17:43
2,2-Dichloropropane	ND	2.9	0.11		µg/Kg-dry	1	01/18/06 17:43
2-Butanone	ND	12	0.16		µg/Kg-dry	1	01/18/06 17:43
2-Chlorotoluene	ND	2.9	0.08		µg/Kg-dry	1	01/18/06 17:43
2-Hexanone	ND	5.9	0.26		µg/Kg-dry	1	01/18/06 17:43
4-Chlorotoluene	ND	2.9	0.19		µg/Kg-dry	1	01/18/06 17:43
4-Methyl-2-pentanone	ND	5.9	0.28		µg/Kg-dry	1	01/18/06 17:43
Acetone	1.7 J	12	0.46		µg/Kg-dry	1	01/18/06 17:43
Benzene	ND	2.9	0.11		µg/Kg-dry	1	01/18/06 17:43
Bromobenzene	ND	2.9	0.18		µg/Kg-dry	1	01/18/06 17:43
Bromochloromethane	ND	2.9	0.19		µg/Kg-dry	1	01/18/06 17:43
Bromodichloromethane	ND	2.9	0.09		µg/Kg-dry	1	01/18/06 17:43
Bromoform	ND	2.9	0.07		µg/Kg-dry	1	01/18/06 17:43
Bromomethane	ND	5.9	0.35		µg/Kg-dry	1	01/18/06 17:43

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 4.99 g

%Moisture: 14.8

TestCode: 8260S TAGML

Lab ID: 0601049-005A

Client Sample ID: BH-22-S

Collection Date: 01/10/06 13:00

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8263.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		2.9	0.07	µg/Kg-dry	1	01/18/06 17:43
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 17:43
Chlorobenzene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 17:43
Chloroethane	ND		5.9	0.34	µg/Kg-dry	1	01/18/06 17:43
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/18/06 17:43
Chloromethane	ND		5.9	0.45	µg/Kg-dry	1	01/18/06 17:43
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 17:43
cis-1,3-Dichloropropene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 17:43
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 17:43
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 17:43
Dichlorodifluoromethane	ND		5.9	0.09	µg/Kg-dry	1	01/18/06 17:43
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 17:43
Hexachlorobutadiene	ND		5.9	0.46	µg/Kg-dry	1	01/18/06 17:43
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/18/06 17:43
Methyl tert-butyl ether	ND		2.9	0.06	µg/Kg-dry	1	01/18/06 17:43
Methylene chloride	0.86 J		5.9	0.47	µg/Kg-dry	1	01/18/06 17:43
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/18/06 17:43
n-Propylbenzene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 17:43
Naphthalene	ND		5.9	0.43	µg/Kg-dry	1	01/18/06 17:43
p-Isopropyltoluene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 17:43
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 17:43
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 17:43
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 17:43
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/18/06 17:43
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/18/06 17:43
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 17:43
trans-1,3-Dichloropropene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 17:43
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 17:43
Trichlorofluoromethane	ND		5.9	0.09	µg/Kg-dry	1	01/18/06 17:43
Vinyl chloride	ND		5.9	0.09	µg/Kg-dry	1	01/18/06 17:43
Xylenes (total)	ND		5.9	0.21	µg/Kg-dry	1	01/18/06 17:43
Sum: 1,2-Dichloroethane-d4	88.2		71-128	0.15	%REC	1	01/18/06 17:43
Sum: 4-Bromofluorobenzene	51.8 S		59-125	0.11	%REC	1	01/18/06 17:43
Sum: Dibromofluoromethane	103		40-156	0.21	%REC	1	01/18/06 17:43
Sum: Toluene-d8	82.8		75-125	0.14	%REC	1	01/18/06 17:43

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 5 g

ColumnID: Rtx-VMS

%Moisture: 14.3

Revision: 01/20/06 9:58:21 A

TestCode: 8260S TAGML

Lab ID: 0601049-006A

Client Sample ID: BH-22-D

Collection Date: 01/10/06 13:20

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8217.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 15:35
1,1,1-Trichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 15:35
1,1,2,2-Tetrachloroethane	ND		2.9	0.19	µg/Kg-dry	1	01/16/06 15:35
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 15:35
1,1,2-Trichloroethane	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 15:35
1,1-Dichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 15:35
1,1-Dichloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/16/06 15:35
1,1-Dichloropropane	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 15:35
1,2,3-Trichlorobenzene	ND		5.8	0.58	µg/Kg-dry	1	01/16/06 15:35
1,2,3-Trichloropropane	ND		2.9	0.20	µg/Kg-dry	1	01/16/06 15:35
1,2,4-Trichlorobenzene	ND		5.8	0.40	µg/Kg-dry	1	01/16/06 15:35
1,2,4-Trimethylbenzene	ND		2.9	0.13	µg/Kg-dry	1	01/16/08 15:35
1,2-Dibromo-3-chloropropane	ND		5.8	0.47	µg/Kg-dry	1	01/16/08 15:35
1,2-Dibromoethane	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 15:35
1,2-Dichlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 15:35
1,2-Dichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 15:35
1,2-Dichloropropane	ND		2.9	0.09	µg/Kg-dry	1	01/16/06 15:35
1,3,5-Trimethylbenzene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 15:35
1,3-Dichlorobenzene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 15:35
1,3-Dichloropropane	ND		2.9	0.09	µg/Kg-dry	1	01/16/08 15:35
1,4-Dichlorobenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 15:35
2,2-Dichloropropane	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 15:35
2-Butanone	ND		12	0.16	µg/Kg-dry	1	01/16/06 15:35
2-Chlorotoluene	ND		2.9	0.06	µg/Kg-dry	1	01/16/06 15:35
2-Hexanone	ND		5.8	0.26	µg/Kg-dry	1	01/16/06 15:35
4-Chlorotoluene	ND		2.9	0.19	µg/Kg-dry	1	01/16/06 15:35
4-Methyl-2-pentanone	ND		5.8	0.28	µg/Kg-dry	1	01/16/06 15:35
Acetone	2.0 J		12	0.45	µg/Kg-dry	1	01/16/06 15:35
Benzene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 15:35
Bromobenzene	ND		2.9	0.17	µg/Kg-dry	1	01/16/06 15:35
Bromochloromethane	ND		2.9	0.19	µg/Kg-dry	1	01/16/06 15:35
Bromodichloromethane	ND		2.9	0.09	µg/Kg-dry	1	01/16/06 15:35
Bromoform	ND		2.9	0.07	µg/Kg-dry	1	01/16/06 15:35
Bromomethane	ND		5.8	0.35	µg/Kg-dry	1	01/16/06 15:35

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range
H Holding times for preparation or analysis exceeded J Analyte detected below the PQL
ND Not Detected at the Practical Quantitation Limit (PQL) P Prim./Conf. column %D or RPD exceeds limit
S Spike Recovery outside accepted recovery limits

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 5 g

%Moisture: 14.3

TestCode: 8260S TAGML

Lab ID: 0601049-006A

Client Sample ID: BH-22-D

Collection Date: 01/10/06 13:20

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8217.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		2.9	0.07	µg/Kg-dry	1	01/16/06 15:35
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 15:35
Chlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 15:35
Chloroethane	ND		5.8	0.34	µg/Kg-dry	1	01/16/06 15:35
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/16/06 15:35
Chloromethane	ND		5.8	0.44	µg/Kg-dry	1	01/16/06 15:35
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 15:35
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 15:35
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 15:35
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 15:35
Dichlorodifluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/16/06 15:35
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 15:35
Hexachlorobutadiene	ND		5.8	0.45	µg/Kg-dry	1	01/16/06 15:35
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/16/06 15:35
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/16/06 15:35
Methylene chloride	ND		5.8	0.47	µg/Kg-dry	1	01/16/06 15:35
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/16/06 15:35
n-Propylbenzene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 15:35
Naphthalene	ND		5.8	0.43	µg/Kg-dry	1	01/16/06 15:35
p-Isopropyltoluene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 15:35
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 15:35
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 15:35
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 15:35
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/16/06 15:35
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/16/06 15:35
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/16/06 15:35
trans-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 15:35
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 15:35
Trichlorofluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/16/06 15:35
Vinyl chloride	ND		5.8	0.09	µg/Kg-dry	1	01/16/06 15:35
Xylenes (total)	ND		5.8	0.21	µg/Kg-dry	1	01/16/06 15:35
Surr: 1,2-Dichloroethane-d4	87.8		71-128	0.15	%REC	1	01/16/06 15:35
Surr: 4-Bromofluorobenzene	56.0	S	59-125	0.10	%REC	1	01/16/06 15:35
Surr: Dibromofluoromethane	104		40-156	0.21	%REC	1	01/16/06 15:35
Surr: Toluene-d8	86.3		75-125	0.14	%REC	1	01/16/06 15:35

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander

**Life Science Laboratories, Inc.**

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 5 g

%Moisture: 14.3

TestCode: 8260S TAGML

Lab ID: 0601049-006A

Client Sample ID: BH-22-D

Collection Date: 01/10/06 13:20

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8264.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 18:18
1,1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 18:18
1,1,2,2-Tetrachloroethane	ND	2.9	0.19	µg/Kg-dry	1		01/18/06 18:18
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 18:18
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 18:18
1,1-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 18:18
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/18/06 18:18
1,1-Dichloropropane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 18:18
1,2,3-Trichlorobenzene	ND	5.8	0.58	µg/Kg-dry	1		01/18/06 18:18
1,2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry	1		01/18/06 18:18
1,2,4-Trichlorobenzene	ND	5.8	0.40	µg/Kg-dry	1		01/18/06 18:18
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 18:18
1,2-Dibromo-3-chloropropane	ND	5.8	0.47	µg/Kg-dry	1		01/18/06 18:18
1,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 18:18
1,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 18:18
1,2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 18:18
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 18:18
1,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 18:18
1,3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 18:18
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 18:18
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/18/06 18:18
2,2-Dichloropropane	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 18:18
2-Butanone	ND	12	0.16	µg/Kg-dry	1		01/18/06 18:18
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/18/06 18:18
2-Hexanone	ND	5.8	0.28	µg/Kg-dry	1		01/18/06 18:18
4-Chlorotoluene	ND	2.9	0.19	µg/Kg-dry	1		01/18/06 18:18
4-Methyl-2-pentanone	ND	5.8	0.28	µg/Kg-dry	1		01/18/06 18:18
Acetone	1.3 J	12	0.45	µg/Kg-dry	1		01/18/06 18:18
Benzene	ND	2.9	0.10	µg/Kg-dry	1		01/18/06 18:18
Bromobenzene	ND	2.9	0.17	µg/Kg-dry	1		01/18/06 18:18
Bromochloromethane	ND	2.9	0.19	µg/Kg-dry	1		01/18/06 18:18
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 18:18
Bromofom	ND	2.9	0.07	µg/Kg-dry	1		01/18/06 18:18
Bromomethane	ND	5.8	0.35	µg/Kg-dry	1		01/18/06 18:18

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 5 g

%Moisture: 14.3

TestCode: 8260S TAGML

Lab ID: 0601049-006A

Client Sample ID: BH-22-D

Collection Date: 01/10/06 13:20

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8264.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		2.9	0.07	µg/Kg-dry	1	01/18/06 18:18
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 18:18
Chlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 18:18
Chloroethane	ND		5.8	0.34	µg/Kg-dry	1	01/18/06 18:18
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/18/06 18:18
Chloromethane	ND		5.8	0.44	µg/Kg-dry	1	01/18/06 18:18
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 18:18
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 18:18
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 18:18
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 18:18
Dichlorodifluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/18/06 18:18
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 18:18
Hexachlorobutadiene	ND		5.8	0.45	µg/Kg-dry	1	01/18/06 18:18
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/18/06 18:18
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/18/06 18:18
Methylene chloride	0.70 J		5.8	0.47	µg/Kg-dry	1	01/18/06 18:18
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/18/06 18:18
n-Propylbenzene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 18:18
Naphthalene	ND		5.8	0.43	µg/Kg-dry	1	01/18/06 18:18
p-Isopropyltoluene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 18:18
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 18:18
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 18:18
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 18:18
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/18/06 18:18
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/18/06 18:18
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 18:18
trans-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/18/06 18:18
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 18:18
Trichlorofluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/18/06 18:18
Vinyl chloride	ND		5.8	0.09	µg/Kg-dry	1	01/18/06 18:18
Xylenes (total)	ND		5.8	0.21	µg/Kg-dry	1	01/18/06 18:18
Sum: 1,2-Dichloroethane-d4	88.7		71-128	0.15	%REC	1	01/18/06 18:18
Sum: 4-Bromofluorobenzene	53.7 S		59-125	0.10	%REC	1	01/18/06 18:18
Sum: Dibromofluoromethane	103		40-156	0.21	%REC	1	01/18/06 18:18
Sum: Toluene-d8	83.0		75-125	0.14	%REC	1	01/18/06 18:18

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
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S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 2 g

%Moisture: 6.2

TestCode: 8260S TAGML

Lab ID: 0601049-007A

Client Sample ID: BH-23-S

Collection Date: 01/10/06 14:00

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8225.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	6.7	0.29	µg/Kg-dry	2.5	01/16/06 20:14	
1,1,1-Trichloroethane	ND	6.7	0.27	µg/Kg-dry	2.5	01/16/06 20:14	
1,1,2,2-Tetrachloroethane	ND	6.7	0.43	µg/Kg-dry	2.5	01/16/06 20:14	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.7	0.27	µg/Kg-dry	2.5	01/16/06 20:14	
1,1,2-Trichloroethane	ND	6.7	0.29	µg/Kg-dry	2.5	01/16/06 20:14	
1,1-Dichloroethane	ND	6.7	0.27	µg/Kg-dry	2.5	01/16/06 20:14	
1,1-Dichloroethene	ND	6.7	0.37	µg/Kg-dry	2.5	01/16/06 20:14	
1,1-Dichloropropene	ND	6.7	0.27	µg/Kg-dry	2.5	01/16/06 20:14	
1,2,3-Trichlorobenzene	ND	13	1.3	µg/Kg-dry	2.5	01/16/06 20:14	
1,2,3-Trichloropropane	ND	6.7	0.45	µg/Kg-dry	2.5	01/16/06 20:14	
1,2,4-Trichlorobenzene	ND	13	0.91	µg/Kg-dry	2.5	01/16/06 20:14	
1,2,4-Trimethylbenzene	ND	6.7	0.29	µg/Kg-dry	2.5	01/16/06 20:14	
1,2-Dibromo-3-chloropropane	ND	13	1.1	µg/Kg-dry	2.5	01/16/06 20:14	
1,2-Dibromoethane	ND	6.7	0.24	µg/Kg-dry	2.5	01/16/06 20:14	
1,2-Dichlorobenzene	ND	6.7	0.24	µg/Kg-dry	2.5	01/16/06 20:14	
1,2-Dichloroethane	ND	6.7	0.27	µg/Kg-dry	2.5	01/16/06 20:14	
1,2-Dichloropropane	ND	6.7	0.21	µg/Kg-dry	2.5	01/16/06 20:14	
1,3,5-Trimethylbenzene	ND	6.7	0.24	µg/Kg-dry	2.5	01/16/06 20:14	
1,3-Dichlorobenzene	ND	6.7	0.27	µg/Kg-dry	2.5	01/16/06 20:14	
1,3-Dichloropropane	ND	6.7	0.21	µg/Kg-dry	2.5	01/16/06 20:14	
1,4-Dichlorobenzene	ND	6.7	0.35	µg/Kg-dry	2.5	01/16/06 20:14	
2,2-Dichloropropane	ND	6.7	0.24	µg/Kg-dry	2.5	01/16/06 20:14	
2-Butanone	ND	27	0.37	µg/Kg-dry	2.5	01/16/06 20:14	
2-Chlorotoluene	ND	6.7	0.19	µg/Kg-dry	2.5	01/16/06 20:14	
2-Hexanone	ND	13	0.59	µg/Kg-dry	2.5	01/16/06 20:14	
4-Chlorotoluene	ND	6.7	0.43	µg/Kg-dry	2.5	01/16/06 20:14	
4-Methyl-2-pentanone	ND	13	0.64	µg/Kg-dry	2.5	01/16/06 20:14	
Acetone	5.5 J	27	1.0	µg/Kg-dry	2.5	01/16/06 20:14	
Benzene	ND	6.7	0.24	µg/Kg-dry	2.5	01/16/06 20:14	
Bromobenzene	ND	6.7	0.40	µg/Kg-dry	2.5	01/16/06 20:14	
Bromochloromethane	ND	6.7	0.43	µg/Kg-dry	2.5	01/16/06 20:14	
Bromodichloromethane	ND	6.7	0.21	µg/Kg-dry	2.5	01/16/06 20:14	
Bromoform	ND	6.7	0.16	µg/Kg-dry	2.5	01/16/06 20:14	
Bromomethane	ND	13	0.80	µg/Kg-dry	2.5	01/16/06 20:14	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 2 g

%Moisture: 6.2

TestCode: 8260S TAGML

Lab ID: 0601049-007A

Client Sample ID: BH-23-S

Collection Date: 01/10/06 14:00

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8225.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		6.7	0.16	µg/Kg-dry	2.5	01/16/06 20:14
Carbon tetrachloride	ND		6.7	0.29	µg/Kg-dry	2.5	01/16/06 20:14
Chlorobenzene	ND		6.7	0.24	µg/Kg-dry	2.5	01/16/06 20:14
Chloroethane	ND		13	0.77	µg/Kg-dry	2.5	01/16/06 20:14
Chloroform	ND		6.7	0.11	µg/Kg-dry	2.5	01/16/06 20:14
Chloromethane	ND		13	1.0	µg/Kg-dry	2.5	01/16/06 20:14
cis-1,2-Dichloroethene	ND		6.7	0.29	µg/Kg-dry	2.5	01/16/06 20:14
cis-1,3-Dichloropropene	ND		6.7	0.24	µg/Kg-dry	2.5	01/16/06 20:14
Dibromochloromethane	ND		6.7	0.35	µg/Kg-dry	2.5	01/16/06 20:14
Dibromomethane	ND		6.7	0.29	µg/Kg-dry	2.5	01/16/06 20:14
Dichlorodifluoromethane	ND		13	0.21	µg/Kg-dry	2.5	01/16/06 20:14
Ethylbenzene	ND		6.7	0.27	µg/Kg-dry	2.5	01/16/06 20:14
Hexachlorobutadiene	ND		13	1.0	µg/Kg-dry	2.5	01/16/06 20:14
Isopropylbenzene	ND		6.7	0.21	µg/Kg-dry	2.5	01/16/06 20:14
Methyl tert-butyl ether	ND		6.7	0.19	µg/Kg-dry	2.5	01/16/06 20:14
Methylene chloride	1.4 J		13	1.1	µg/Kg-dry	2.5	01/16/06 20:14
n-Butylbenzene	ND		6.7	0.32	µg/Kg-dry	2.5	01/16/06 20:14
n-Propylbenzene	ND		6.7	0.24	µg/Kg-dry	2.5	01/16/06 20:14
Naphthalene	8.1 J		13	0.99	µg/Kg-dry	2.5	01/16/06 20:14
p-Isopropyltoluene	ND		6.7	0.24	µg/Kg-dry	2.5	01/16/06 20:14
sec-Butylbenzene	ND		6.7	0.35	µg/Kg-dry	2.5	01/16/06 20:14
Styrene	ND		8.7	0.27	µg/Kg-dry	2.5	01/16/06 20:14
tert-Butylbenzene	ND		6.7	0.35	µg/Kg-dry	2.5	01/16/06 20:14
Tetrachloroethene	ND		6.7	0.37	µg/Kg-dry	2.5	01/16/06 20:14
Toluene	ND		6.7	0.32	µg/Kg-dry	2.5	01/16/06 20:14
trans-1,2-Dichloroethene	ND		6.7	0.27	µg/Kg-dry	2.5	01/16/06 20:14
trans-1,3-Dichloropropene	ND		6.7	0.24	µg/Kg-dry	2.5	01/16/06 20:14
Trichloroethene	ND		6.7	0.29	µg/Kg-dry	2.5	01/16/06 20:14
Trichlorofluoromethane	ND		13	0.21	µg/Kg-dry	2.5	01/16/06 20:14
Vinyl chloride	ND		13	0.21	µg/Kg-dry	2.5	01/16/06 20:14
Xylenes (total)	ND		13	0.48	µg/Kg-dry	2.5	01/16/06 20:14
Surr. 1,2-Dichloroethane-d4	92.0		71-128	0.35	%REC	2.5	01/16/06 20:14
Surr. 4-Bromofluorobenzene	57.2 S		59-125	0.24	%REC	2.5	01/16/06 20:14
Surr. Dibromofluoromethane	107		40-156	0.48	%REC	2.5	01/16/06 20:14
Surr. Toluene-d8	88.1		75-125	0.32	%REC	2.5	01/16/06 20:14

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
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CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 2.04 g

%Moisture: 6.2

TestCode: 8260S TAGML

Lab ID: 0601049-007A

Client Sample ID: BH-23-S

Collection Date: 01/10/06 14:00

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8265.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND		6.5	0.29	µg/Kg-dry	2.45	01/18/06 18:53
1,1,1-Trichloroethane	ND		6.5	0.26	µg/Kg-dry	2.45	01/18/06 18:53
1,1,2,2-Tetrachloroethane	ND		6.5	0.42	µg/Kg-dry	2.45	01/18/06 18:53
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.5	0.26	µg/Kg-dry	2.45	01/18/06 18:53
1,1,2-Trichloroethane	ND		6.5	0.29	µg/Kg-dry	2.45	01/18/06 18:53
1,1-Dichloroethane	ND		6.5	0.26	µg/Kg-dry	2.45	01/18/06 18:53
1,1-Dichloroethene	ND		6.5	0.37	µg/Kg-dry	2.45	01/18/06 18:53
1,1-Dichloropropene	ND		6.5	0.26	µg/Kg-dry	2.45	01/18/06 18:53
1,2,3-Trichlorobenzene	ND		13	1.3	µg/Kg-dry	2.45	01/18/06 18:53
1,2,3-Trichloropropane	ND		6.5	0.44	µg/Kg-dry	2.45	01/18/06 18:53
1,2,4-Trichlorobenzene	ND		13	0.89	µg/Kg-dry	2.45	01/18/06 18:53
1,2,4-Trimethylbenzene	2.1 J		6.5	0.29	µg/Kg-dry	2.45	01/18/06 18:53
1,2-Dibromo-3-chloropropane	ND		13	1.0	µg/Kg-dry	2.45	01/18/06 18:53
1,2-Dibromoethane	ND		6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
1,2-Dichlorobenzene	ND		6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
1,2-Dichloroethane	ND		6.5	0.26	µg/Kg-dry	2.45	01/18/06 18:53
1,2-Dichloropropane	ND		6.5	0.21	µg/Kg-dry	2.45	01/18/06 18:53
1,3,5-Trimethylbenzene	ND		6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
1,3-Dichlorobenzene	ND		6.5	0.26	µg/Kg-dry	2.45	01/18/06 18:53
1,3-Dichloropropane	ND		6.5	0.21	µg/Kg-dry	2.45	01/18/06 18:53
1,4-Dichlorobenzene	ND		6.5	0.34	µg/Kg-dry	2.45	01/18/06 18:53
2,2-Dichloropropane	ND		6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
2-Butanone	ND		26	0.37	µg/Kg-dry	2.45	01/18/06 18:53
2-Chlorotoluene	ND		6.5	0.18	µg/Kg-dry	2.45	01/18/06 18:53
2-Hexanone	ND		13	0.57	µg/Kg-dry	2.45	01/18/06 18:53
4-Chlorotoluene	ND		6.5	0.42	µg/Kg-dry	2.45	01/18/06 18:53
4-Methyl-2-pentanone	ND		13	0.63	µg/Kg-dry	2.45	01/18/06 18:53
Acetone	2.8 J		26	1.0	µg/Kg-dry	2.45	01/18/06 18:53
Benzene	ND		6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
Bromobenzene	ND		6.5	0.39	µg/Kg-dry	2.45	01/18/06 18:53
Bromochloromethane	ND		6.5	0.42	µg/Kg-dry	2.45	01/18/06 18:53
Bromodichloromethane	ND		6.5	0.21	µg/Kg-dry	2.45	01/18/06 18:53
Bromoform	ND		6.5	0.16	µg/Kg-dry	2.45	01/18/06 18:53
Bromomethane	ND		13	0.78	µg/Kg-dry	2.45	01/18/06 18:53

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander

**Life Science Laboratories, Inc.**

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.**Project:** Geneva Foundry**W Order:** 0601049**Matrix:** SOIL**Inst. ID:** MS03 10**ColumnID:** Rtx-VMS**Revision:** 01/19/06 2:30:18 P**Sample Size:** 2.04 g**%Moisture:** 6.2**TestCode:** 8260S TAGML**Lab ID:** 0601049-007A**Client Sample ID:** BH-23-S**Collection Date:** 01/10/06 14:00**Date Received:** 01/12/06 7:50**PrepDate:****BatchNo:** R4249**FileID:** 1-RA-J8265.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		6.5	0.16	µg/Kg-dry	2.45	01/18/06 18:53
Carbon tetrachloride	ND		6.5	0.29	µg/Kg-dry	2.45	01/18/06 18:53
Chlorobenzene	ND		6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
Chloroethane	ND		13	0.76	µg/Kg-dry	2.45	01/18/06 18:53
Chloroform	ND		6.5	0.10	µg/Kg-dry	2.45	01/18/06 18:53
Chloromethane	ND		13	0.99	µg/Kg-dry	2.45	01/18/06 18:53
cis-1,2-Dichloroethene	ND		6.5	0.29	µg/Kg-dry	2.45	01/18/06 18:53
cis-1,3-Dichloropropene	ND		6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
Dibromochloromethane	ND		6.5	0.34	µg/Kg-dry	2.45	01/18/06 18:53
Dibromomethane	ND		6.5	0.29	µg/Kg-dry	2.45	01/18/06 18:53
Dichlorodifluoromethane	ND		13	0.21	µg/Kg-dry	2.45	01/18/06 18:53
Ethylbenzene	ND		6.5	0.26	µg/Kg-dry	2.45	01/18/06 18:53
Hexachlorobutadiene	ND		13	1.0	µg/Kg-dry	2.45	01/18/06 18:53
Isopropylbenzene	ND		6.5	0.21	µg/Kg-dry	2.45	01/18/06 18:53
Methyl tert-butyl ether	ND		6.5	0.18	µg/Kg-dry	2.45	01/18/06 18:53
Methylene chloride	2.0 J		13	1.0	µg/Kg-dry	2.45	01/18/06 18:53
n-Butylbenzene	ND		6.5	0.31	µg/Kg-dry	2.45	01/18/06 18:53
n-Propylbenzene	ND		6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
Naphthalene	5.7 J		13	0.97	µg/Kg-dry	2.45	01/18/06 18:53
p-Isopropyltoluene	ND		6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
sec-Butylbenzene	ND		6.5	0.34	µg/Kg-dry	2.45	01/18/06 18:53
Styrene	ND		6.5	0.26	µg/Kg-dry	2.45	01/18/06 18:53
tert-Butylbenzene	ND		6.5	0.34	µg/Kg-dry	2.45	01/18/06 18:53
Tetrachloroethene	ND		6.5	0.37	µg/Kg-dry	2.45	01/18/06 18:53
Toluene	ND		6.5	0.31	µg/Kg-dry	2.45	01/18/06 18:53
trans-1,2-Dichloroethene	ND		6.5	0.26	µg/Kg-dry	2.45	01/18/06 18:53
trans-1,3-Dichloropropene	ND		6.5	0.24	µg/Kg-dry	2.45	01/18/06 18:53
Trichloroethene	ND		6.5	0.29	µg/Kg-dry	2.45	01/18/06 18:53
Trichlorofluoromethane	ND		13	0.21	µg/Kg-dry	2.45	01/18/06 18:53
Vinyl chloride	ND		13	0.21	µg/Kg-dry	2.45	01/18/06 18:53
Xylenes (total)	ND		13	0.47	µg/Kg-dry	2.45	01/18/06 18:53
Surr: 1,2-Dichloroethane-d4	87.3		71-128	0.34	%REC	2.45	01/18/06 18:53
Surr: 4-Bromofluorobenzene	58.7 S		59-125	0.24	%REC	2.45	01/18/06 18:53
Surr: Dibromofluoromethane	103		40-156	0.47	%REC	2.45	01/18/06 18:53
Surr: Toluene-d8	86.5		75-125	0.31	%REC	2.45	01/18/06 18:53

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 4.99 g

%Moisture: 19.7

TestCode: 8260S TAGML

Lab ID: 0601049-008A

Client Sample ID: BH-24-S

Collection Date: 01/11/06 9:40

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8218.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/16/06 16:10
1,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 16:10
1,1,2,2-Tetrachloroethane	ND	3.1	0.20	µg/Kg-dry	1		01/16/06 16:10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 16:10
1,1,2-Trichloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/16/06 16:10
1,1-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 16:10
1,1-Dichloroethene	ND	3.1	0.17	µg/Kg-dry	1		01/16/06 16:10
1,1-Dichloropropene	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 16:10
1,2,3-Trichlorobenzene	ND	6.2	0.62	µg/Kg-dry	1		01/16/06 16:10
1,2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-dry	1		01/16/06 16:10
1,2,4-Trichlorobenzene	ND	6.2	0.42	µg/Kg-dry	1		01/16/06 16:10
1,2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-dry	1		01/16/06 16:10
1,2-Dibromo-3-chloropropane	ND	6.2	0.50	µg/Kg-dry	1		01/16/06 16:10
1,2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 16:10
1,2-Dichlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 16:10
1,2-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 16:10
1,2-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/16/06 16:10
1,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 16:10
1,3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 16:10
1,3-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/16/06 16:10
1,4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-dry	1		01/16/06 16:10
2,2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 16:10
2-Butanone	ND	12	0.17	µg/Kg-dry	1		01/16/06 16:10
2-Chlorotoluene	ND	3.1	0.09	µg/Kg-dry	1		01/16/06 16:10
2-Hexanone	ND	6.2	0.27	µg/Kg-dry	1		01/16/06 16:10
4-Chlorotoluene	ND	3.1	0.20	µg/Kg-dry	1		01/16/06 16:10
4-Methyl-2-pentanone	ND	6.2	0.30	µg/Kg-dry	1		01/16/06 16:10
Acetone	2.1 J	12	0.49	µg/Kg-dry	1		01/16/06 16:10
Benzene	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 16:10
Bromobenzene	ND	3.1	0.19	µg/Kg-dry	1		01/16/06 16:10
Bromochloromethane	ND	3.1	0.20	µg/Kg-dry	1		01/16/06 16:10
Bromodichloromethane	ND	3.1	0.10	µg/Kg-dry	1		01/16/06 16:10
Bromoform	ND	3.1	0.07	µg/Kg-dry	1		01/16/06 16:10
Bromomethane	ND	6.2	0.37	µg/Kg-dry	1		01/16/06 16:10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %d or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.99 g

ColumnID: Rtx-VMS

%Moisture: 19.7

Revision: 01/20/06 9:58:21 A

TestCode: 8260S TAGML

Lab ID: 0601049-008A

Client Sample ID: BH-24-S

Collection Date: 01/11/06 9:40

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8218.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	1.3	J	3.1	0.07	µg/Kg-dry	1	01/16/06 16:10
Carbon tetrachloride	ND		3.1	0.14	µg/Kg-dry	1	01/16/06 16:10
Chlorobenzene	ND		3.1	0.11	µg/Kg-dry	1	01/16/06 16:10
Chloroethane	ND		6.2	0.36	µg/Kg-dry	1	01/16/06 16:10
Chloroform	ND		3.1	0.05	µg/Kg-dry	1	01/16/06 16:10
Chloromethane	ND		6.2	0.47	µg/Kg-dry	1	01/16/06 16:10
cis-1,2-Dichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/16/06 16:10
cis-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/16/06 16:10
Dibromochloromethane	ND		3.1	0.16	µg/Kg-dry	1	01/16/06 16:10
Dibromomethane	ND		3.1	0.14	µg/Kg-dry	1	01/16/06 16:10
Dichlorodifluoromethane	ND		6.2	0.10	µg/Kg-dry	1	01/16/06 16:10
Ethylbenzene	ND		3.1	0.12	µg/Kg-dry	1	01/16/06 16:10
Hexachlorobutadiene	ND		6.2	0.49	µg/Kg-dry	1	01/16/06 16:10
Isopropylbenzene	ND		3.1	0.10	µg/Kg-dry	1	01/16/06 16:10
Methyl tert-butyl ether	ND		3.1	0.09	µg/Kg-dry	1	01/16/06 16:10
Methylene chloride	1.1	J	6.2	0.50	µg/Kg-dry	1	01/16/06 16:10
n-Butylbenzene	ND		3.1	0.15	µg/Kg-dry	1	01/16/06 16:10
n-Propylbenzene	ND		3.1	0.11	µg/Kg-dry	1	01/16/06 16:10
Naphthalene	0.65	J	6.2	0.46	µg/Kg-dry	1	01/16/06 16:10
p-Isopropyltoluene	ND		3.1	0.11	µg/Kg-dry	1	01/16/06 16:10
sec-Butylbenzene	ND		3.1	0.16	µg/Kg-dry	1	01/16/06 16:10
Styrene	ND		3.1	0.12	µg/Kg-dry	1	01/16/06 16:10
tert-Butylbenzene	ND		3.1	0.16	µg/Kg-dry	1	01/16/06 16:10
Tetrachloroethene	ND		3.1	0.17	µg/Kg-dry	1	01/16/06 16:10
Toluene	ND		3.1	0.15	µg/Kg-dry	1	01/16/06 16:10
trans-1,2-Dichloroethene	ND		3.1	0.12	µg/Kg-dry	1	01/16/06 16:10
trans-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/16/06 16:10
Trichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/16/06 16:10
Trichlorofluoromethane	ND		6.2	0.10	µg/Kg-dry	1	01/16/06 16:10
Vinyl chloride	ND		6.2	0.10	µg/Kg-dry	1	01/16/06 16:10
Xylenes (total)	ND		6.2	0.22	µg/Kg-dry	1	01/16/06 16:10
Surr: 1,2-Dichloroethane-d4	92.2		71-128	0.16	%REC	1	01/16/06 16:10
Surr: 4-Bromofluorobenzene	55.9	S	59-125	0.11	%REC	1	01/16/06 16:10
Surr: Dibromofluoromethane	107		40-156	0.22	%REC	1	01/16/06 16:10
Surr: Toluene-d8	84.8		75-125	0.15	%REC	1	01/16/06 16:10

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 4.99 g

%Moisture: 19.7

TestCode: 8260S TAGML

Lab ID: 0601049-008A

Client Sample ID: BH-24-S

Collection Date: 01/11/06 9:40

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8266.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/18/06 19:28
1,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/18/06 19:28
1,1,2,2-Tetrachloroethane	ND	3.1	0.20	µg/Kg-dry	1		01/18/06 19:28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.1	0.12	µg/Kg-dry	1		01/18/06 19:28
1,1,2-Trichloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/18/06 19:28
1,1-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/18/06 19:28
1,1-Dichloroethene	ND	3.1	0.17	µg/Kg-dry	1		01/18/06 19:28
1,1-Dichloropropene	ND	3.1	0.12	µg/Kg-dry	1		01/18/06 19:28
1,2,3-Trichlorobenzene	ND	6.2	0.62	µg/Kg-dry	1		01/18/06 19:28
1,2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-dry	1		01/18/06 19:28
1,2,4-Trichlorobenzene	ND	6.2	0.42	µg/Kg-dry	1		01/18/06 19:28
1,2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-dry	1		01/18/06 19:28
1,2-Dibromo-3-chloropropane	ND	6.2	0.50	µg/Kg-dry	1		01/18/06 19:28
1,2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry	1		01/18/06 19:28
1,2-Dichlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/18/06 19:28
1,2-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/18/06 19:28
1,2-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/18/06 19:28
1,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/18/06 19:28
1,3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-dry	1		01/18/06 19:28
1,3-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/18/06 19:28
1,4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-dry	1		01/18/06 19:28
2,2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry	1		01/18/06 19:28
2-Butanone	ND	12	0.17	µg/Kg-dry	1		01/18/06 19:28
2-Chlorotoluene	ND	3.1	0.09	µg/Kg-dry	1		01/18/06 19:28
2-Hexanone	ND	6.2	0.27	µg/Kg-dry	1		01/18/06 19:28
4-Chlorotoluene	ND	3.1	0.20	µg/Kg-dry	1		01/18/06 19:28
4-Methyl-2-pentanone	ND	6.2	0.30	µg/Kg-dry	1		01/18/06 19:28
Acetone	1.5 J	12	0.49	µg/Kg-dry	1		01/18/06 19:28
Benzene	ND	3.1	0.11	µg/Kg-dry	1		01/18/06 19:28
Bromobenzene	ND	3.1	0.19	µg/Kg-dry	1		01/18/06 19:28
Bromochloromethane	ND	3.1	0.20	µg/Kg-dry	1		01/18/06 19:28
Bromodichloromethane	ND	3.1	0.10	µg/Kg-dry	1		01/18/06 19:28
Bromoform	ND	3.1	0.07	µg/Kg-dry	1		01/18/06 19:28
Bromomethane	ND	6.2	0.37	µg/Kg-dry	1		01/18/06 19:28

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 4.99 g

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TestCode: 8260S TAGML

Lab ID: 0601049-008A

Client Sample ID: BH-24-S

Collection Date: 01/11/06 9:40

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8266.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	1.3	J	3.1	0.07	µg/Kg-dry	1	01/18/06 19:28
Carbon tetrachloride	ND		3.1	0.14	µg/Kg-dry	1	01/18/06 19:28
Chlorobenzene	ND		3.1	0.11	µg/Kg-dry	1	01/18/06 19:28
Chloroethane	ND		6.2	0.36	µg/Kg-dry	1	01/18/06 19:28
Chloroform	ND		3.1	0.05	µg/Kg-dry	1	01/18/06 19:28
Chloromethane	ND		6.2	0.47	µg/Kg-dry	1	01/18/06 19:28
cis-1,2-Dichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/18/06 19:28
cis-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/18/06 19:28
Dibromochloromethane	ND		3.1	0.16	µg/Kg-dry	1	01/18/06 19:28
Dibromomethane	ND		3.1	0.14	µg/Kg-dry	1	01/18/06 19:28
Dichlorodifluoromethane	ND		6.2	0.10	µg/Kg-dry	1	01/18/06 19:28
Ethylbenzene	ND		3.1	0.12	µg/Kg-dry	1	01/18/06 19:28
Hexachlorobutadiene	ND		6.2	0.49	µg/Kg-dry	1	01/18/06 19:28
Isopropylbenzene	ND		3.1	0.10	µg/Kg-dry	1	01/18/06 19:28
Methyl tert-butyl ether	ND		3.1	0.09	µg/Kg-dry	1	01/18/06 19:28
Methylene chloride	1.7	J	6.2	0.50	µg/Kg-dry	1	01/18/06 19:28
n-Butylbenzene	ND		3.1	0.15	µg/Kg-dry	1	01/18/06 19:28
n-Propylbenzene	ND		3.1	0.11	µg/Kg-dry	1	01/18/06 19:28
Naphthalene	ND		6.2	0.46	µg/Kg-dry	1	01/18/06 19:28
p-Isopropyltoluene	ND		3.1	0.11	µg/Kg-dry	1	01/18/06 19:28
sec-Butylbenzene	ND		3.1	0.16	µg/Kg-dry	1	01/18/06 19:28
Styrene	ND		3.1	0.12	µg/Kg-dry	1	01/18/06 19:28
tert-Butylbenzene	ND		3.1	0.16	µg/Kg-dry	1	01/18/06 19:28
Tetrachloroethene	ND		3.1	0.17	µg/Kg-dry	1	01/18/06 19:28
Toluene	ND		3.1	0.15	µg/Kg-dry	1	01/18/06 19:28
trans-1,2-Dichloroethene	ND		3.1	0.12	µg/Kg-dry	1	01/18/06 19:28
trans-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/18/06 19:28
Trichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/18/06 19:28
Trichlorofluoromethane	ND		6.2	0.10	µg/Kg-dry	1	01/18/06 19:28
Vinyl chloride	ND		6.2	0.10	µg/Kg-dry	1	01/18/06 19:28
Xylenes (total)	ND		6.2	0.22	µg/Kg-dry	1	01/18/06 19:28
Surr: 1,2-Dichloroethane-d4	90.9		71-126	0.16	%REC	1	01/18/06 19:28
Surr: 4-Bromofluorobenzene	54.8	S	59-125	0.11	%REC	1	01/18/06 19:28
Surr: Dibromofluoromethane	107		40-156	0.22	%REC	1	01/18/06 19:28
Surr: Toluene-d8	83.1		75-125	0.15	%REC	1	01/18/06 19:28

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 5 g

%Moisture: 28.5

TestCode: 8260S TAGML

Lab ID: 0601049-009A

Client Sample ID: BH-24-D

Collection Date: 01/11/06 9:50

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: I-SAMP-J8219.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.5	0.15	µg/Kg-dry	1		01/16/06 16:45
1,1,1-Trichloroethane	ND	3.5	0.14	µg/Kg-dry	1		01/16/06 16:45
1,1,2,2-Tetrachloroethane	ND	3.5	0.22	µg/Kg-dry	1		01/16/06 16:45
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.5	0.14	µg/Kg-dry	1		01/16/06 16:45
1,1,2-Trichloroethane	ND	3.5	0.15	µg/Kg-dry	1		01/16/06 16:45
1,1-Dichloroethane	ND	3.5	0.14	µg/Kg-dry	1		01/16/06 16:45
1,1-Dichloroethene	ND	3.5	0.20	µg/Kg-dry	1		01/16/06 16:45
1,1-Dichloropropene	ND	3.5	0.14	µg/Kg-dry	1		01/16/06 16:45
1,2,3-Trichlorobenzene	ND	7.0	0.70	µg/Kg-dry	1		01/16/06 16:45
1,2,3-Trichloropropane	ND	3.5	0.24	µg/Kg-dry	1		01/16/06 16:45
1,2,4-Trichlorobenzene	ND	7.0	0.48	µg/Kg-dry	1		01/16/06 16:45
1,2,4-Trimethylbenzene	ND	3.5	0.15	µg/Kg-dry	1		01/16/06 16:45
1,2-Dibromo-3-chloropropane	ND	7.0	0.56	µg/Kg-dry	1		01/16/06 16:45
1,2-Dibromoethane	ND	3.5	0.13	µg/Kg-dry	1		01/16/06 16:45
1,2-Dichlorobenzene	ND	3.5	0.13	µg/Kg-dry	1		01/16/06 16:45
1,2-Dichloroethane	ND	3.5	0.14	µg/Kg-dry	1		01/16/06 16:45
1,2-Dichloropropane	ND	3.5	0.11	µg/Kg-dry	1		01/16/06 16:45
1,3,5-Trimethylbenzene	ND	3.5	0.13	µg/Kg-dry	1		01/16/06 16:45
1,3-Dichlorobenzene	ND	3.5	0.14	µg/Kg-dry	1		01/16/06 16:45
1,3-Dichloropropane	ND	3.5	0.11	µg/Kg-dry	1		01/16/06 16:45
1,4-Dichlorobenzene	ND	3.5	0.18	µg/Kg-dry	1		01/16/06 16:45
2,2-Dichloropropane	ND	3.5	0.13	µg/Kg-dry	1		01/16/06 16:45
2-Butanone	ND	14	0.20	µg/Kg-dry	1		01/16/06 16:45
2-Chlorotoluene	ND	3.5	0.10	µg/Kg-dry	1		01/16/06 16:45
2-Hexanone	ND	7.0	0.31	µg/Kg-dry	1		01/16/06 16:45
4-Chlorotoluene	ND	3.5	0.22	µg/Kg-dry	1		01/16/06 16:45
4-Methyl-2-pentanone	ND	7.0	0.34	µg/Kg-dry	1		01/16/06 16:45
Acetone	2.3 J	14	0.55	µg/Kg-dry	1		01/16/06 16:45
Benzene	ND	3.5	0.13	µg/Kg-dry	1		01/16/06 16:45
Bromobenzene	ND	3.5	0.21	µg/Kg-dry	1		01/16/06 16:45
Bromochloromethane	ND	3.5	0.22	µg/Kg-dry	1		01/16/06 16:45
Bromodichloromethane	ND	3.5	0.11	µg/Kg-dry	1		01/16/06 16:45
Bromoform	ND	3.5	0.08	µg/Kg-dry	1		01/16/06 16:45
Bromomethane	ND	7.0	0.42	µg/Kg-dry	1		01/16/06 16:45

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 5 g

%Moisture: 28.5

TestCode: 8260S TAGML

Lab ID: 0601049-009A

Client Sample ID: BH-24-D

Collection Date: 01/11/06 9:50

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8219.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	3.5	0.08	µg/Kg-dry	1		01/16/06 16:45
Carbon tetrachloride	ND	3.5	0.15	µg/Kg-dry	1		01/16/06 16:45
Chlorobenzene	ND	3.5	0.13	µg/Kg-dry	1		01/16/06 16:45
Chloroethane	ND	7.0	0.41	µg/Kg-dry	1		01/16/06 16:45
Chloroform	ND	3.5	0.06	µg/Kg-dry	1		01/16/06 16:45
Chloromethane	ND	7.0	0.53	µg/Kg-dry	1		01/16/06 16:45
cis-1,2-Dichloroethene	ND	3.5	0.15	µg/Kg-dry	1		01/16/06 16:45
cis-1,3-Dichloropropene	ND	3.5	0.13	µg/Kg-dry	1		01/16/06 16:45
Dibromochloromethane	ND	3.5	0.18	µg/Kg-dry	1		01/16/06 16:45
Dibromomethane	ND	3.5	0.15	µg/Kg-dry	1		01/16/06 16:45
Dichlorodifluoromethane	ND	7.0	0.11	µg/Kg-dry	1		01/16/06 16:45
Ethylbenzene	ND	3.5	0.14	µg/Kg-dry	1		01/16/06 16:45
Hexachlorobutadiene	ND	7.0	0.55	µg/Kg-dry	1		01/16/06 16:45
Isopropylbenzene	ND	3.5	0.11	µg/Kg-dry	1		01/16/06 16:45
Methyl tert-butyl ether	ND	3.5	0.10	µg/Kg-dry	1		01/16/06 16:45
Methylene chloride	ND	7.0	0.56	µg/Kg-dry	1		01/16/06 16:45
n-Butylbenzene	ND	3.5	0.17	µg/Kg-dry	1		01/16/06 16:45
n-Propylbenzene	ND	3.5	0.13	µg/Kg-dry	1		01/16/06 16:45
Naphthalene	ND	7.0	0.52	µg/Kg-dry	1		01/16/06 16:45
p-Isopropyltoluene	ND	3.5	0.13	µg/Kg-dry	1		01/16/06 16:45
sec-Butylbenzene	ND	3.5	0.18	µg/Kg-dry	1		01/16/06 16:45
Styrene	ND	3.5	0.14	µg/Kg-dry	1		01/16/06 16:45
tert-Butylbenzene	ND	3.5	0.18	µg/Kg-dry	1		01/16/06 16:45
Tetrachloroethene	ND	3.5	0.20	µg/Kg-dry	1		01/16/06 16:45
Toluene	ND	3.5	0.17	µg/Kg-dry	1		01/16/06 16:45
trans-1,2-Dichloroethene	ND	3.5	0.14	µg/Kg-dry	1		01/16/06 16:45
trans-1,3-Dichloropropene	ND	3.5	0.13	µg/Kg-dry	1		01/16/06 16:45
Trichloroethene	ND	3.5	0.15	µg/Kg-dry	1		01/16/06 16:45
Trichlorofluoromethane	ND	7.0	0.11	µg/Kg-dry	1		01/16/06 16:45
Vinyl chloride	ND	7.0	0.11	µg/Kg-dry	1		01/16/06 16:45
Xylenes (total)	ND	7.0	0.25	µg/Kg-dry	1		01/16/06 16:45
Surr. 1,2-Dichloroethane-d4	88.5	71-128	0.18	%REC	1		01/16/06 16:45
Surr. 4-Bromofluorobenzene	62.3	59-125	0.13	%REC	1		01/16/06 16:45
Surr. Dibromofluoromethane	102	40-156	0.25	%REC	1		01/16/06 16:45
Surr. Toluene-d8	89.4	75-125	0.17	%REC	1		01/16/06 16:45

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 5 g

%Moisture: 28.5

TestCode: 8260S TAGML

Lab ID: 0601049-009A

Client Sample ID: BH-24-D

Collection Date: 01/11/06 9:50

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8267.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND		3.5	0.15	µg/Kg-dry	1	01/18/06 20:02
1,1,1-Trichloroethane	ND		3.5	0.14	µg/Kg-dry	1	01/18/06 20:02
1,1,2,2-Tetrachloroethane	ND		3.5	0.22	µg/Kg-dry	1	01/18/06 20:02
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.5	0.14	µg/Kg-dry	1	01/18/06 20:02
1,1,2-Trichloroethane	ND		3.5	0.15	µg/Kg-dry	1	01/18/06 20:02
1,1-Dichloroethane	ND		3.5	0.14	µg/Kg-dry	1	01/18/06 20:02
1,1-Dichloroethene	ND		3.5	0.20	µg/Kg-dry	1	01/18/06 20:02
1,1-Dichloropropene	ND		3.5	0.14	µg/Kg-dry	1	01/18/06 20:02
1,2,3-Trichlorobenzene	ND		7.0	0.70	µg/Kg-dry	1	01/18/06 20:02
1,2,3-Trichloropropane	ND		3.5	0.24	µg/Kg-dry	1	01/18/06 20:02
1,2,4-Trichlorobenzene	ND		7.0	0.48	µg/Kg-dry	1	01/18/06 20:02
1,2,4-Trimethylbenzene	ND		3.5	0.15	µg/Kg-dry	1	01/18/06 20:02
1,2-Dibromo-3-chloropropane	ND		7.0	0.56	µg/Kg-dry	1	01/18/06 20:02
1,2-Dibromoethane	ND		3.5	0.13	µg/Kg-dry	1	01/18/06 20:02
1,2-Dichlorobenzene	ND		3.5	0.13	µg/Kg-dry	1	01/18/06 20:02
1,2-Dichloroethane	ND		3.5	0.14	µg/Kg-dry	1	01/18/06 20:02
1,2-Dichloropropane	ND		3.5	0.11	µg/Kg-dry	1	01/18/06 20:02
1,3,5-Trimethylbenzene	ND		3.5	0.13	µg/Kg-dry	1	01/18/06 20:02
1,3-Dichlorobenzene	ND		3.5	0.14	µg/Kg-dry	1	01/18/06 20:02
1,3-Dichloropropane	ND		3.5	0.11	µg/Kg-dry	1	01/18/06 20:02
1,4-Dichlorobenzene	ND		3.5	0.18	µg/Kg-dry	1	01/18/06 20:02
2,2-Dichloropropane	ND		3.5	0.13	µg/Kg-dry	1	01/18/06 20:02
2-Butanone	ND		14	0.20	µg/Kg-dry	1	01/18/06 20:02
2-Chlorotoluene	ND		3.5	0.10	µg/Kg-dry	1	01/18/06 20:02
2-Hexanone	ND		7.0	0.31	µg/Kg-dry	1	01/18/06 20:02
4-Chlorotoluene	ND		3.5	0.22	µg/Kg-dry	1	01/18/06 20:02
4-Methyl-2-pentanone	ND		7.0	0.34	µg/Kg-dry	1	01/18/06 20:02
Acetone	1.7 J		14	0.55	µg/Kg-dry	1	01/18/06 20:02
Benzene	ND		3.5	0.13	µg/Kg-dry	1	01/18/06 20:02
Bromobenzene	ND		3.5	0.21	µg/Kg-dry	1	01/18/06 20:02
Bromochloromethane	ND		3.5	0.22	µg/Kg-dry	1	01/18/06 20:02
Bromodichloromethane	ND		3.5	0.11	µg/Kg-dry	1	01/18/06 20:02
Bromoform	ND		3.5	0.08	µg/Kg-dry	1	01/18/06 20:02
Bromomethane	ND		7.0	0.42	µg/Kg-dry	1	01/18/06 20:02

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 5 g

%Moisture: 28.5

TestCode: 8260S TAGML

Lab ID: 0601049-009A

Client Sample ID: BH-24-D

Collection Date: 01/11/06 9:50

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-RA-J8267.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	3.5	0.08	µg/Kg-dry	1		01/18/06 20:02
Carbon tetrachloride	ND	3.5	0.15	µg/Kg-dry	1		01/18/06 20:02
Chlorobenzene	ND	3.5	0.13	µg/Kg-dry	1		01/18/06 20:02
Chloroethane	ND	7.0	0.41	µg/Kg-dry	1		01/18/06 20:02
Chloroform	ND	3.5	0.06	µg/Kg-dry	1		01/18/06 20:02
Chloromethane	ND	7.0	0.53	µg/Kg-dry	1		01/18/06 20:02
cis-1,2-Dichloroethene	ND	3.5	0.15	µg/Kg-dry	1		01/18/06 20:02
cis-1,3-Dichloropropene	ND	3.5	0.13	µg/Kg-dry	1		01/18/06 20:02
Dibromochloromethane	ND	3.5	0.18	µg/Kg-dry	1		01/18/06 20:02
Dibromomethane	ND	3.5	0.15	µg/Kg-dry	1		01/18/06 20:02
Dichlorodifluoromethane	ND	7.0	0.11	µg/Kg-dry	1		01/18/06 20:02
Ethylbenzene	ND	3.5	0.14	µg/Kg-dry	1		01/18/06 20:02
Hexachlorobutadiene	ND	7.0	0.55	µg/Kg-dry	1		01/18/06 20:02
Isopropylbenzene	ND	3.5	0.11	µg/Kg-dry	1		01/18/06 20:02
Methyl tert-butyl ether	ND	3.5	0.10	µg/Kg-dry	1		01/18/06 20:02
Methylene chloride	1.7 J	7.0	0.56	µg/Kg-dry	1		01/18/06 20:02
n-Butylbenzene	ND	3.5	0.17	µg/Kg-dry	1		01/18/06 20:02
n-Propylbenzene	ND	3.5	0.13	µg/Kg-dry	1		01/18/06 20:02
Naphthalene	ND	7.0	0.52	µg/Kg-dry	1		01/18/06 20:02
p-Isopropyltoluene	ND	3.5	0.13	µg/Kg-dry	1		01/18/06 20:02
sec-Butylbenzene	ND	3.5	0.18	µg/Kg-dry	1		01/18/06 20:02
Styrene	ND	3.5	0.14	µg/Kg-dry	1		01/18/06 20:02
tert-Butylbenzene	ND	3.5	0.18	µg/Kg-dry	1		01/18/06 20:02
Tetrachloroethene	ND	3.5	0.20	µg/Kg-dry	1		01/18/06 20:02
Toluene	ND	3.5	0.17	µg/Kg-dry	1		01/18/06 20:02
trans-1,2-Dichloroethene	ND	3.5	0.14	µg/Kg-dry	1		01/18/06 20:02
trans-1,3-Dichloropropene	ND	3.5	0.13	µg/Kg-dry	1		01/18/06 20:02
Trichloroethene	ND	3.5	0.15	µg/Kg-dry	1		01/18/06 20:02
Trichlorofluoromethane	ND	7.0	0.11	µg/Kg-dry	1		01/18/06 20:02
Vinyl chloride	ND	7.0	0.11	µg/Kg-dry	1		01/18/06 20:02
Xylenes (total)	ND	7.0	0.25	µg/Kg-dry	1		01/18/06 20:02
Surr. 1,2-Dichloroethane-d4	88.5	71-128	0.18	%REC	1		01/18/06 20:02
Surr. 4-Bromofluorobenzene	59.1	59-125	0.13	%REC	1		01/18/06 20:02
Surr. Dibromofluoromethane	103	40-156	0.25	%REC	1		01/18/06 20:02
Surr. Toluene-d8	85.9	75-125	0.17	%REC	1		01/18/06 20:02

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 4.99 g

%Moisture: 19.1

TestCode: 8260S TAGML

Lab ID: 0601049-010A

Client Sample ID: BH-25-S

Collection Date: 01/11/06 12:10

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8220.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/16/06 17:20
1,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 17:20
1,1,2,2-Tetrachloroethane	ND	3.1	0.20	µg/Kg-dry	1		01/16/06 17:20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 17:20
1,1,2-Trichloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/16/06 17:20
1,1-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 17:20
1,1-Dichloroethene	ND	3.1	0.17	µg/Kg-dry	1		01/16/06 17:20
1,1-Dichloropropene	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 17:20
1,2,3-Trichlorobenzene	ND	6.2	0.62	µg/Kg-dry	1		01/16/06 17:20
1,2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-dry	1		01/16/06 17:20
1,2,4-Trichlorobenzene	ND	6.2	0.42	µg/Kg-dry	1		01/16/06 17:20
1,2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-dry	1		01/16/06 17:20
1,2-Dibromo-3-chloropropane	ND	6.2	0.49	µg/Kg-dry	1		01/16/06 17:20
1,2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 17:20
1,2-Dichlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 17:20
1,2-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 17:20
1,2-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/16/06 17:20
1,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 17:20
1,3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 17:20
1,3-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/16/06 17:20
1,4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-dry	1		01/16/06 17:20
2,2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 17:20
2-Butanone	ND	12	0.17	µg/Kg-dry	1		01/16/06 17:20
2-Chlorotoluene	ND	3.1	0.09	µg/Kg-dry	1		01/16/06 17:20
2-Hexanone	ND	6.2	0.27	µg/Kg-dry	1		01/16/06 17:20
4-Chlorotoluene	ND	3.1	0.20	µg/Kg-dry	1		01/16/06 17:20
4-Methyl-2-pentanone	ND	6.2	0.30	µg/Kg-dry	1		01/16/06 17:20
Acetone	3.3 J	12	0.46	µg/Kg-dry	1		01/16/06 17:20
Benzene	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 17:20
Bromobenzene	ND	3.1	0.19	µg/Kg-dry	1		01/16/06 17:20
Bromochloromethane	ND	3.1	0.20	µg/Kg-dry	1		01/16/06 17:20
Bromodichloromethane	ND	3.1	0.10	µg/Kg-dry	1		01/16/06 17:20
Bromoform	ND	3.1	0.07	µg/Kg-dry	1		01/16/06 17:20
Bromomethane	ND	6.2	0.37	µg/Kg-dry	1		01/16/06 17:20

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 4.99 g

%Moisture: 19.1

TestCode: 8260S TAGML

Lab ID: 0601049-010A

Client Sample ID: BH-25-S

Collection Date: 01/11/06 12:10

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8220.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	3.1	0.07	µg/Kg-dry	1		01/16/06 17:20
Carbon tetrachloride	ND	3.1	0.14	µg/Kg-dry	1		01/16/06 17:20
Chlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 17:20
Chloroethane	ND	6.2	0.36	µg/Kg-dry	1		01/16/06 17:20
Chloroform	ND	3.1	0.05	µg/Kg-dry	1		01/16/06 17:20
Chloromethane	ND	6.2	0.47	µg/Kg-dry	1		01/16/06 17:20
cis-1,2-Dichloroethene	ND	3.1	0.14	µg/Kg-dry	1		01/16/06 17:20
cis-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 17:20
Dibromochloromethane	ND	3.1	0.16	µg/Kg-dry	1		01/16/06 17:20
Dibromomethane	ND	3.1	0.14	µg/Kg-dry	1		01/16/06 17:20
Dichlorodifluoromethane	ND	6.2	0.10	µg/Kg-dry	1		01/16/06 17:20
Ethylbenzene	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 17:20
Hexachlorobutadiene	ND	6.2	0.48	µg/Kg-dry	1		01/16/06 17:20
Isopropylbenzene	ND	3.1	0.10	µg/Kg-dry	1		01/16/06 17:20
Methyl tert-butyl ether	ND	3.1	0.09	µg/Kg-dry	1		01/16/06 17:20
Methylene chloride	1.5 J	6.2	0.49	µg/Kg-dry	1		01/16/06 17:20
n-Butylbenzene	ND	3.1	0.15	µg/Kg-dry	1		01/16/06 17:20
n-Propylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 17:20
Naphthalene	ND	6.2	0.46	µg/Kg-dry	1		01/16/06 17:20
p-Isopropyltoluene	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 17:20
sec-Butylbenzene	ND	3.1	0.16	µg/Kg-dry	1		01/16/06 17:20
Styrene	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 17:20
tert-Butylbenzene	ND	3.1	0.16	µg/Kg-dry	1		01/16/06 17:20
Tetrachloroethene	ND	3.1	0.17	µg/Kg-dry	1		01/16/06 17:20
Toluene	ND	3.1	0.15	µg/Kg-dry	1		01/16/06 17:20
trans-1,2-Dichloroethene	ND	3.1	0.12	µg/Kg-dry	1		01/16/06 17:20
trans-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry	1		01/16/06 17:20
Trichloroethene	ND	3.1	0.14	µg/Kg-dry	1		01/16/06 17:20
Trichlorofluoromethane	ND	6.2	0.10	µg/Kg-dry	1		01/16/06 17:20
Vinyl chloride	ND	6.2	0.10	µg/Kg-dry	1		01/16/06 17:20
Xylenes (total)	ND	6.2	0.22	µg/Kg-dry	1		01/16/06 17:20
Surr: 1,2-Dichloroethane-d4	91.6	71-128	0.16	%REC	1		01/16/06 17:20
Surr: 4-Bromofluorobenzene	48.7 S	59-125	0.11	%REC	1		01/16/06 17:20
Surr: Dibromofluoromethane	116	40-156	0.22	%REC	1		01/16/06 17:20
Surr: Toluene-d8	69.4 S	75-125	0.15	%REC	1		01/16/06 17:20

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:03 A

Sample Size: 4.99 g

%Moisture: 19.1

TestCode: 8260S TAGML

Lab ID: 0601049-010A

Client Sample ID: BH-25-S

Collection Date: 01/11/06 12:10

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4263

FileID: 1-RA-J8274.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/19/06 13:31
1,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/19/06 13:31
1,1,2,2-Tetrachloroethane	ND	3.1	0.20	µg/Kg-dry	1		01/19/06 13:31
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.1	0.12	µg/Kg-dry	1		01/19/06 13:31
1,1,2-Trichloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/19/06 13:31
1,1-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/19/06 13:31
1,1-Dichloroethene	ND	3.1	0.17	µg/Kg-dry	1		01/19/06 13:31
1,1-Dichloropropene	ND	3.1	0.12	µg/Kg-dry	1		01/19/06 13:31
1,2,3-Trichlorobenzene	ND	6.2	0.62	µg/Kg-dry	1		01/19/06 13:31
1,2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-dry	1		01/19/06 13:31
1,2,4-Trichlorobenzene	ND	6.2	0.42	µg/Kg-dry	1		01/19/06 13:31
1,2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-dry	1		01/19/06 13:31
1,2-Dibromo-3-chloropropane	ND	6.2	0.49	µg/Kg-dry	1		01/19/06 13:31
1,2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry	1		01/19/06 13:31
1,2-Dichlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/19/06 13:31
1,2-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/19/06 13:31
1,2-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/19/06 13:31
1,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/19/06 13:31
1,3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-dry	1		01/19/06 13:31
1,3-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/19/06 13:31
1,4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-dry	1		01/19/06 13:31
2,2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry	1		01/19/06 13:31
2-Butanone	ND	12	0.17	µg/Kg-dry	1		01/19/06 13:31
2-Chlorotoluene	ND	3.1	0.09	µg/Kg-dry	1		01/19/06 13:31
2-Hexanone	ND	6.2	0.27	µg/Kg-dry	1		01/19/06 13:31
4-Chlorotoluene	ND	3.1	0.20	µg/Kg-dry	1		01/19/06 13:31
4-Methyl-2-pentanone	ND	6.2	0.30	µg/Kg-dry	1		01/19/06 13:31
Acetone	3.0 J	12	0.48	µg/Kg-dry	1		01/19/06 13:31
Benzene	ND	3.1	0.11	µg/Kg-dry	1		01/19/06 13:31
Bromobenzene	ND	3.1	0.19	µg/Kg-dry	1		01/19/06 13:31
Bromochloromethane	ND	3.1	0.20	µg/Kg-dry	1		01/19/06 13:31
Bromodichloromethane	ND	3.1	0.10	µg/Kg-dry	1		01/19/06 13:31
Bromoform	ND	3.1	0.07	µg/Kg-dry	1		01/19/06 13:31
Bromomethane	ND	6.2	0.37	µg/Kg-dry	1		01/19/06 13:31

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.99 g

ColumnID: Rtx-VMS

%Moisture: 19.1

Revision: 01/20/06 9:58:03 A

TestCode: 8260S TAGML

Lab ID: 0601049-010A

Client Sample ID: BH-25-S

Collection Date: 01/11/06 12:10

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4263

FileID: 1-RA-J8274.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		3.1	0.07	µg/Kg-dry	1	01/19/06 13:31
Carbon tetrachloride	ND		3.1	0.14	µg/Kg-dry	1	01/19/06 13:31
Chlorobenzene	ND		3.1	0.11	µg/Kg-dry	1	01/19/06 13:31
Chloroethane	ND		6.2	0.36	µg/Kg-dry	1	01/19/06 13:31
Chloroform	ND		3.1	0.05	µg/Kg-dry	1	01/19/06 13:31
Chloromethane	ND		6.2	0.47	µg/Kg-dry	1	01/19/06 13:31
cis-1,2-Dichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/19/06 13:31
cis-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/19/06 13:31
Dibromochloromethane	ND		3.1	0.16	µg/Kg-dry	1	01/19/06 13:31
Dibromomethane	ND		3.1	0.14	µg/Kg-dry	1	01/19/06 13:31
Dichlorodifluoromethane	ND		6.2	0.10	µg/Kg-dry	1	01/19/06 13:31
Ethylbenzene	ND		3.1	0.12	µg/Kg-dry	1	01/19/06 13:31
Hexachlorobutadiene	ND		6.2	0.48	µg/Kg-dry	1	01/19/06 13:31
Isopropylbenzene	ND		3.1	0.10	µg/Kg-dry	1	01/19/06 13:31
Methyl tert-butyl ether	ND		3.1	0.09	µg/Kg-dry	1	01/19/06 13:31
Methylene chloride	3.3 J		6.2	0.49	µg/Kg-dry	1	01/19/06 13:31
n-Butylbenzene	ND		3.1	0.15	µg/Kg-dry	1	01/19/06 13:31
n-Propylbenzene	ND		3.1	0.11	µg/Kg-dry	1	01/19/06 13:31
Naphthalene	0.73 J		6.2	0.46	µg/Kg-dry	1	01/19/06 13:31
p-Isopropyltoluene	ND		3.1	0.11	µg/Kg-dry	1	01/19/06 13:31
sec-Butylbenzene	ND		3.1	0.16	µg/Kg-dry	1	01/19/06 13:31
Styrene	ND		3.1	0.12	µg/Kg-dry	1	01/19/06 13:31
tert-Butylbenzene	ND		3.1	0.16	µg/Kg-dry	1	01/19/06 13:31
Tetrachloroethene	ND		3.1	0.17	µg/Kg-dry	1	01/19/06 13:31
Toluene	ND		3.1	0.15	µg/Kg-dry	1	01/19/06 13:31
trans-1,2-Dichloroethene	ND		3.1	0.12	µg/Kg-dry	1	01/19/06 13:31
trans-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/19/06 13:31
Trichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/19/06 13:31
Trichlorofluoromethane	ND		6.2	0.10	µg/Kg-dry	1	01/19/06 13:31
Vinyl chloride	ND		6.2	0.10	µg/Kg-dry	1	01/19/06 13:31
Xylenes (total)	ND		6.2	0.22	µg/Kg-dry	1	01/19/06 13:31
Surr: 1,2-Dichloroethane-d4	90.4		71-128	0.16	%REC	1	01/19/06 13:31
Surr: 4-Bromofluorobenzene	49.2 S		59-125	0.11	%REC	1	01/19/06 13:31
Surr: Dibromofluoromethane	118		40-156	0.22	%REC	1	01/19/06 13:31
Surr: Toluene-d8	65.4 S		75-125	0.15	%REC	1	01/19/06 13:31

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 5 g

ColumnID: Rtx-VMS

%Moisture: 19.8

Revision: 01/20/06 9:58:21 A

TestCode: 8260S TAGML

Lab ID: 0601049-011A

Client Sample ID: BH-25-D

Collection Date: 01/11/06 12:20

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8221.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dry	1	01/16/06 17:55	
1,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-dry	1	01/16/06 17:55	
1,1,2,2-Tetrachloroethane	ND	3.1	0.20	µg/Kg-dry	1	01/16/06 17:55	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.1	0.12	µg/Kg-dry	1	01/16/06 17:55	
1,1,2-Trichloroethane	ND	3.1	0.14	µg/Kg-dry	1	01/16/06 17:55	
1,1-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1	01/16/06 17:55	
1,1-Dichloroethene	ND	3.1	0.17	µg/Kg-dry	1	01/16/06 17:55	
1,1-Dichloropropene	ND	3.1	0.12	µg/Kg-dry	1	01/16/06 17:55	
1,2,3-Trichlorobenzene	ND	6.2	0.62	µg/Kg-dry	1	01/16/06 17:55	
1,2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-dry	1	01/16/06 17:55	
1,2,4-Trichlorobenzene	ND	6.2	0.42	µg/Kg-dry	1	01/16/06 17:55	
1,2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-dry	1	01/16/06 17:55	
1,2-Dibromo-3-chloropropane	ND	6.2	0.50	µg/Kg-dry	1	01/16/06 17:55	
1,2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry	1	01/16/06 17:55	
1,2-Dichlorobenzene	ND	3.1	0.11	µg/Kg-dry	1	01/16/06 17:55	
1,2-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1	01/16/06 17:55	
1,2-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1	01/16/06 17:55	
1,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry	1	01/16/06 17:55	
1,3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-dry	1	01/16/06 17:55	
1,3-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1	01/16/06 17:55	
1,4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-dry	1	01/16/06 17:55	
2,2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry	1	01/16/06 17:55	
2-Butanone	ND	12	0.17	µg/Kg-dry	1	01/16/06 17:55	
2-Chlorotoluene	ND	3.1	0.09	µg/Kg-dry	1	01/16/06 17:55	
2-Hexanone	ND	6.2	0.27	µg/Kg-dry	1	01/16/06 17:55	
4-Chlorotoluene	ND	3.1	0.20	µg/Kg-dry	1	01/16/06 17:55	
4-Methyl-2-pentanone	ND	6.2	0.30	µg/Kg-dry	1	01/16/06 17:55	
Acetone	3.5 J	12	0.49	µg/Kg-dry	1	01/16/06 17:55	
Benzene	ND	3.1	0.11	µg/Kg-dry	1	01/16/06 17:55	
Bromobenzene	ND	3.1	0.19	µg/Kg-dry	1	01/16/06 17:55	
Bromochloromethane	ND	3.1	0.20	µg/Kg-dry	1	01/16/06 17:55	
Bromodichloromethane	ND	3.1	0.10	µg/Kg-dry	1	01/16/06 17:55	
Bromoform	ND	3.1	0.07	µg/Kg-dry	1	01/16/06 17:55	
Bromomethane	ND	6.2	0.37	µg/Kg-dry	1	01/16/06 17:55	

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03.10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 5 g

%Moisture: 19.8

TestCode: 8260S TAGML

Lab ID: 0601049-011A

Client Sample ID: BH-25-D

Collection Date: 01/11/06 12:20

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8221.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		3.1	0.07	µg/Kg-dry	1	01/16/06 17:55
Carbon tetrachloride	ND		3.1	0.14	µg/Kg-dry	1	01/16/06 17:55
Chlorobenzene	ND		3.1	0.11	µg/Kg-dry	1	01/16/06 17:55
Chloroethane	ND		6.2	0.36	µg/Kg-dry	1	01/16/06 17:55
Chloroform	ND		3.1	0.05	µg/Kg-dry	1	01/16/06 17:55
Chloromethane	ND		6.2	0.47	µg/Kg-dry	1	01/16/06 17:55
cis-1,2-Dichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/16/06 17:55
cis-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/16/06 17:55
Dibromochloromethane	ND		3.1	0.16	µg/Kg-dry	1	01/16/06 17:55
Dibromomethane	ND		3.1	0.14	µg/Kg-dry	1	01/16/06 17:55
Dichlorodifluoromethane	ND		6.2	0.10	µg/Kg-dry	1	01/16/06 17:55
Ethylbenzene	ND		3.1	0.12	µg/Kg-dry	1	01/16/06 17:55
Hexachlorobutadiene	ND		6.2	0.49	µg/Kg-dry	1	01/16/06 17:55
Isopropylbenzene	ND		3.1	0.10	µg/Kg-dry	1	01/16/06 17:55
Methyl tert-butyl ether	ND		3.1	0.09	µg/Kg-dry	1	01/16/06 17:55
Methylene chloride	0.80 J		6.2	0.50	µg/Kg-dry	1	01/16/06 17:55
n-Butylbenzene	ND		3.1	0.15	µg/Kg-dry	1	01/16/06 17:55
n-Propylbenzene	ND		3.1	0.11	µg/Kg-dry	1	01/16/06 17:55
Naphthalene	ND		6.2	0.46	µg/Kg-dry	1	01/16/06 17:55
p-Isopropyltoluene	ND		3.1	0.11	µg/Kg-dry	1	01/16/06 17:55
sec-Butylbenzene	ND		3.1	0.16	µg/Kg-dry	1	01/16/06 17:55
Styrene	ND		3.1	0.12	µg/Kg-dry	1	01/16/06 17:55
tert-Butylbenzene	ND		3.1	0.16	µg/Kg-dry	1	01/16/06 17:55
Tetrachloroethene	ND		3.1	0.17	µg/Kg-dry	1	01/16/06 17:55
Toluene	ND		3.1	0.15	µg/Kg-dry	1	01/16/06 17:55
trans-1,2-Dichloroethene	ND		3.1	0.12	µg/Kg-dry	1	01/16/06 17:55
trans-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/16/06 17:55
Trichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/16/06 17:55
Trichlorofluoromethane	ND		6.2	0.10	µg/Kg-dry	1	01/16/06 17:55
Vinyl chloride	ND		6.2	0.10	µg/Kg-dry	1	01/16/06 17:55
Xylenes (total)	ND		6.2	0.22	µg/Kg-dry	1	01/16/06 17:55
Surr: 1,2-Dichloroethane-d4	87.2		71-128	0.16	%REC	1	01/16/06 17:55
Surr: 4-Bromofluorobenzene	71.3		59-125	0.11	%REC	1	01/16/06 17:55
Surr: Dibromofluoromethane	103		40-156	0.22	%REC	1	01/16/06 17:55
Surr: Toluene-d8	87.6		75-125	0.15	%REC	1	01/16/06 17:55

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.98 g

ColumnID: Rtx-VMS

%Moisture: 12.7

Revision: 01/20/06 9:58:21 A

TestCode: 8260S TAGML

Lab ID: 0601049-012A

Client Sample ID: BH-26-S

Collection Date: 01/11/06 12:35

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8222.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 18:30
1,1,1-Trichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 18:30
1,1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry	1		01/16/06 18:30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 18:30
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 18:30
1,1-Dichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 18:30
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/16/06 18:30
1,1-Dichloropropene	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 18:30
1,2,3-Trichlorobenzene	ND	5.7	0.57	µg/Kg-dry	1		01/16/06 18:30
1,2,3-Trichloropropane	ND	2.9	0.19	µg/Kg-dry	1		01/16/06 18:30
1,2,4-Trichlorobenzene	ND	5.7	0.39	µg/Kg-dry	1		01/16/06 18:30
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/16/06 18:30
1,2-Dibromo-3-chloropropane	ND	5.7	0.46	µg/Kg-dry	1		01/16/06 18:30
1,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 18:30
1,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 18:30
1,2-Dichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 18:30
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 18:30
1,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 18:30
1,3-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry	1		01/16/06 18:30
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 18:30
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/16/06 18:30
2,2-Dichloropropane	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 18:30
2-Butanone	ND	11	0.16	µg/Kg-dry	1		01/16/06 18:30
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/16/06 18:30
2-Hexanone	ND	5.7	0.25	µg/Kg-dry	1		01/16/06 18:30
4-Chlorotoluene	ND	2.9	0.18	µg/Kg-dry	1		01/16/06 18:30
4-Methyl-2-pentanone	ND	5.7	0.27	µg/Kg-dry	1		01/16/06 18:30
Acetone	1.4 J	11	0.45	µg/Kg-dry	1		01/16/06 18:30
Benzene	ND	2.9	0.10	µg/Kg-dry	1		01/16/06 18:30
Bromobenzene	ND	2.9	0.17	µg/Kg-dry	1		01/16/06 18:30
Bromochloromethane	ND	2.9	0.18	µg/Kg-dry	1		01/16/06 18:30
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/16/06 18:30
Bromofom	ND	2.9	0.07	µg/Kg-dry	1		01/16/06 18:30
Bromomethane	ND	5.7	0.34	µg/Kg-dry	1		01/16/06 18:30

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim/Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 4.98 g

%Moisture: 12.7

TestCode: 8260S TAGML

Lab ID: 0601049-012A

Client Sample ID: BH-26-S

Collection Date: 01/11/06 12:35

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8222.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	0.73	J	2.9	0.07	µg/Kg-dry	1	01/16/06 18:30
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 18:30
Chlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 18:30
Chloroethane	ND		5.7	0.33	µg/Kg-dry	1	01/16/06 18:30
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/16/06 18:30
Chloromethane	ND		5.7	0.44	µg/Kg-dry	1	01/16/06 18:30
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 18:30
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 18:30
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 18:30
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 18:30
Dichlorodifluoromethane	ND		5.7	0.09	µg/Kg-dry	1	01/16/06 18:30
Ethylbenzene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 18:30
Hexachlorobutadiene	ND		5.7	0.45	µg/Kg-dry	1	01/16/06 18:30
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/16/06 18:30
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/16/06 18:30
Methylene chloride	0.62	J	5.7	0.46	µg/Kg-dry	1	01/16/06 18:30
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/16/06 18:30
n-Propylbenzene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 18:30
Naphthalene	ND		5.7	0.42	µg/Kg-dry	1	01/16/06 18:30
p-Isopropyltoluene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 18:30
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 18:30
Styrene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 18:30
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/16/06 18:30
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/16/06 18:30
Toluene	0.61	J	2.9	0.14	µg/Kg-dry	1	01/16/06 18:30
trans-1,2-Dichloroethene	ND		2.9	0.11	µg/Kg-dry	1	01/16/06 18:30
trans-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/16/06 18:30
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/16/06 18:30
Trichlorofluoromethane	ND		5.7	0.09	µg/Kg-dry	1	01/16/06 18:30
Vinyl chloride	ND		5.7	0.09	µg/Kg-dry	1	01/16/06 18:30
Xylenes (total)	ND		5.7	0.21	µg/Kg-dry	1	01/16/06 18:30
Sum: 1,2-Dichloroethane-d4	67.1		71-128	0.15	%REC	1	01/16/06 18:30
Sum: 4-Bromofluorobenzene	70.6		59-125	0.10	%REC	1	01/16/06 18:30
Sum: Dibromofluoromethane	98.4		40-156	0.21	%REC	1	01/16/06 18:30
Sum: Toluene-d8	94.2		75-125	0.14	%REC	1	01/16/06 18:30

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 4.99 g

%Moisture: 24.3

TestCode: 8260S TAGML

Lab ID: 0601049-013A

Client Sample ID: BH-27-S

Collection Date: 01/11/06 13:40

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8223.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.3	0.15	µg/Kg-dry	1		01/16/06 19:05
1,1,1-Trichloroethane	ND	3.3	0.13	µg/Kg-dry	1		01/16/06 19:05
1,1,2,2-Tetrachloroethane	ND	3.3	0.21	µg/Kg-dry	1		01/16/06 19:05
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.3	0.13	µg/Kg-dry	1		01/16/06 19:05
1,1,2-Trichloroethane	ND	3.3	0.15	µg/Kg-dry	1		01/16/06 19:05
1,1-Dichloroethane	ND	3.3	0.13	µg/Kg-dry	1		01/16/06 19:05
1,1-Dichloroethene	ND	3.3	0.19	µg/Kg-dry	1		01/16/06 19:05
1,1-Dichloropropene	ND	3.3	0.13	µg/Kg-dry	1		01/16/06 19:05
1,2,3-Trichlorobenzene	ND	6.6	0.66	µg/Kg-dry	1		01/16/06 19:05
1,2,3-Trichloropropane	ND	3.3	0.22	µg/Kg-dry	1		01/16/06 19:05
1,2,4-Trichlorobenzene	ND	6.6	0.45	µg/Kg-dry	1		01/16/06 19:05
1,2,4-Trimethylbenzene	ND	3.3	0.15	µg/Kg-dry	1		01/16/06 19:05
1,2-Dibromo-3-chloropropane	ND	6.6	0.53	µg/Kg-dry	1		01/16/06 19:05
1,2-Dibromoethane	ND	3.3	0.12	µg/Kg-dry	1		01/16/06 19:05
1,2-Dichlorobenzene	ND	3.3	0.12	µg/Kg-dry	1		01/16/06 19:05
1,2-Dichloroethane	ND	3.3	0.13	µg/Kg-dry	1		01/16/06 19:05
1,2-Dichloropropane	ND	3.3	0.11	µg/Kg-dry	1		01/16/06 19:05
1,3,5-Trimethylbenzene	ND	3.3	0.12	µg/Kg-dry	1		01/16/06 19:05
1,3-Dichlorobenzene	ND	3.3	0.13	µg/Kg-dry	1		01/16/06 19:05
1,3-Dichloropropane	ND	3.3	0.11	µg/Kg-dry	1		01/16/06 19:05
1,4-Dichlorobenzene	ND	3.3	0.17	µg/Kg-dry	1		01/16/06 19:05
2,2-Dichloropropane	ND	3.3	0.12	µg/Kg-dry	1		01/16/06 19:05
2-Butanone	ND	13	0.19	µg/Kg-dry	1		01/16/06 19:05
2-Chlorotoluene	ND	3.3	0.09	µg/Kg-dry	1		01/16/06 19:05
2-Hexanone	ND	6.6	0.29	µg/Kg-dry	1		01/16/06 19:05
4-Chlorotoluene	ND	3.3	0.21	µg/Kg-dry	1		01/16/06 19:05
4-Methyl-2-pentanone	ND	6.6	0.32	µg/Kg-dry	1		01/16/06 19:05
Acetone	2.3 J	13	0.52	µg/Kg-dry	1		01/16/06 19:05
Benzene	ND	3.3	0.12	µg/Kg-dry	1		01/16/06 19:05
Bromobenzene	ND	3.3	0.20	µg/Kg-dry	1		01/16/06 19:05
Bromochloromethane	ND	3.3	0.21	µg/Kg-dry	1		01/16/06 19:05
Bromodichloromethane	ND	3.3	0.11	µg/Kg-dry	1		01/16/06 19:05
Bromoform	ND	3.3	0.08	µg/Kg-dry	1		01/16/06 19:05
Bromomethane	ND	6.6	0.40	µg/Kg-dry	1		01/16/06 19:05

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 4.99 g

%Moisture: 24.3

TestCode: 8260S TAGML

Lab ID: 0601049-013A

Client Sample ID: BH-27-S

Collection Date: 01/11/06 13:40

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8223.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	3.3	0.08	µg/Kg-dry	1		01/16/06 19:05
Carbon tetrachloride	ND	3.3	0.15	µg/Kg-dry	1		01/16/06 19:05
Chlorobenzene	ND	3.3	0.12	µg/Kg-dry	1		01/16/06 19:05
Chloroethane	ND	6.6	0.38	µg/Kg-dry	1		01/16/06 19:05
Chloroform	ND	3.3	0.05	µg/Kg-dry	1		01/16/06 19:05
Chloromethane	ND	6.6	0.50	µg/Kg-dry	1		01/16/06 19:05
cis-1,2-Dichloroethene	ND	3.3	0.15	µg/Kg-dry	1		01/16/06 19:05
cis-1,3-Dichloropropene	ND	3.3	0.12	µg/Kg-dry	1		01/16/06 19:05
Dibromochloromethane	ND	3.3	0.17	µg/Kg-dry	1		01/16/06 19:05
Dibromomethane	ND	3.3	0.15	µg/Kg-dry	1		01/16/06 19:05
Dichlorodifluoromethane	ND	6.6	0.11	µg/Kg-dry	1		01/16/06 19:05
Ethylbenzene	ND	3.3	0.13	µg/Kg-dry	1		01/16/06 19:05
Hexachlorobutadiene	ND	6.6	0.52	µg/Kg-dry	1		01/16/06 19:05
Isopropylbenzene	ND	3.3	0.11	µg/Kg-dry	1		01/16/06 19:05
Methyl tert-butyl ether	ND	3.3	0.09	µg/Kg-dry	1		01/16/06 19:05
Methylene chloride	ND	6.6	0.53	µg/Kg-dry	1		01/16/06 19:05
n-Butylbenzene	ND	3.3	0.16	µg/Kg-dry	1		01/16/06 19:05
n-Propylbenzene	ND	3.3	0.12	µg/Kg-dry	1		01/16/06 19:05
Naphthalene	ND	6.6	0.49	µg/Kg-dry	1		01/16/06 19:05
p-Isopropyltoluene	ND	3.3	0.12	µg/Kg-dry	1		01/16/06 19:05
sec-Butylbenzene	ND	3.3	0.17	µg/Kg-dry	1		01/16/06 19:05
Styrene	ND	3.3	0.13	µg/Kg-dry	1		01/16/06 19:05
tert-Butylbenzene	ND	3.3	0.17	µg/Kg-dry	1		01/16/06 19:05
Tetrachloroethene	ND	3.3	0.19	µg/Kg-dry	1		01/16/06 19:05
Toluene	ND	3.3	0.16	µg/Kg-dry	1		01/16/06 19:05
trans-1,2-Dichloroethene	ND	3.3	0.13	µg/Kg-dry	1		01/16/06 19:05
trans-1,3-Dichloropropene	ND	3.3	0.12	µg/Kg-dry	1		01/16/06 19:05
Trichloroethene	ND	3.3	0.15	µg/Kg-dry	1		01/16/06 19:05
Trichlorofluoromethane	ND	6.6	0.11	µg/Kg-dry	1		01/16/06 19:05
Vinyl chloride	ND	6.6	0.11	µg/Kg-dry	1		01/16/06 19:05
Xylenes (total)	ND	6.6	0.24	µg/Kg-dry	1		01/16/06 19:05
Surr. 1,2-Dichloroethane-d4	87.7	71-128	0.17	%REC	1		01/16/06 19:05
Surr. 4-Bromofluorobenzene	67.2	59-125	0.12	%REC	1		01/16/06 19:05
Surr. Dibromofluoromethane	101	40-158	0.24	%REC	1		01/16/06 19:05
Surr. Toluene-d8	89.9	75-125	0.16	%REC	1		01/16/06 19:05

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 4.98 g

%Moisture: 20.7

TestCode: 8260S TAGML

Lab ID: 0601049-014A

Client Sample ID: BH-27-D

Collection Date: 01/11/06 13:55

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8224.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.2	0.14	µg/Kg-dry	1		01/16/06 19:40
1,1,1-Trichloroethane	ND	3.2	0.13	µg/Kg-dry	1		01/16/06 19:40
1,1,2,2-Tetrachloroethane	ND	3.2	0.20	µg/Kg-dry	1		01/16/06 19:40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.2	0.13	µg/Kg-dry	1		01/16/06 19:40
1,1,2-Trichloroethane	ND	3.2	0.14	µg/Kg-dry	1		01/16/06 19:40
1,1-Dichloroethane	ND	3.2	0.13	µg/Kg-dry	1		01/16/06 19:40
1,1-Dichloroethene	ND	3.2	0.18	µg/Kg-dry	1		01/16/06 19:40
1,1-Dichloropropene	ND	3.2	0.13	µg/Kg-dry	1		01/16/06 19:40
1,2,3-Trichlorobenzene	ND	6.3	0.63	µg/Kg-dry	1		01/16/06 19:40
1,2,3-Trichloropropane	ND	3.2	0.21	µg/Kg-dry	1		01/16/06 19:40
1,2,4-Trichlorobenzene	ND	6.3	0.43	µg/Kg-dry	1		01/16/06 19:40
1,2,4-Trimethylbenzene	ND	3.2	0.14	µg/Kg-dry	1		01/16/06 19:40
1,2-Dibromo-3-chloropropane	ND	6.3	0.50	µg/Kg-dry	1		01/16/06 19:40
1,2-Dibromoethane	ND	3.2	0.11	µg/Kg-dry	1		01/16/06 19:40
1,2-Dichlorobenzene	ND	3.2	0.11	µg/Kg-dry	1		01/16/06 19:40
1,2-Dichloroethane	ND	3.2	0.13	µg/Kg-dry	1		01/16/06 19:40
1,2-Dichloropropane	ND	3.2	0.10	µg/Kg-dry	1		01/16/06 19:40
1,3,5-Trimethylbenzene	ND	3.2	0.11	µg/Kg-dry	1		01/16/06 19:40
1,3-Dichlorobenzene	ND	3.2	0.13	µg/Kg-dry	1		01/16/06 19:40
1,3-Dichloropropane	ND	3.2	0.10	µg/Kg-dry	1		01/16/06 19:40
1,4-Dichlorobenzene	ND	3.2	0.16	µg/Kg-dry	1		01/16/06 19:40
2,2-Dichloropropane	ND	3.2	0.11	µg/Kg-dry	1		01/16/06 19:40
2-Butanone	ND	13	0.18	µg/Kg-dry	1		01/16/06 19:40
2-Chlorotoluene	ND	3.2	0.09	µg/Kg-dry	1		01/16/06 19:40
2-Hexanone	ND	6.3	0.28	µg/Kg-dry	1		01/16/06 19:40
4-Chlorotoluene	ND	3.2	0.20	µg/Kg-dry	1		01/16/06 19:40
4-Methyl-2-pentanone	ND	6.3	0.30	µg/Kg-dry	1		01/16/06 19:40
Acetone	2.1 J	13	0.49	µg/Kg-dry	1		01/16/06 19:40
Benzene	ND	3.2	0.11	µg/Kg-dry	1		01/16/06 19:40
Bromobenzene	ND	3.2	0.19	µg/Kg-dry	1		01/16/06 19:40
Bromochloromethane	ND	3.2	0.20	µg/Kg-dry	1		01/16/06 19:40
Bromodichloromethane	ND	3.2	0.10	µg/Kg-dry	1		01/16/06 19:40
Bromoform	ND	3.2	0.08	µg/Kg-dry	1		01/16/06 19:40
Bromomethane	ND	6.3	0.38	µg/Kg-dry	1		01/16/06 19:40

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits
E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:21 A

Sample Size: 4.98 g

%Moisture: 20.7

TestCode: 8260S TAGML

Lab ID: 0601049-014A

Client Sample ID: BH-27-D

Collection Date: 01/11/06 13:55

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4188

FileID: 1-SAMP-J8224.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	3.2	0.08	µg/Kg-dry	1		01/16/06 19:40
Carbon tetrachloride	ND	3.2	0.14	µg/Kg-dry	1		01/16/06 19:40
Chlorobenzene	ND	3.2	0.11	µg/Kg-dry	1		01/16/06 19:40
Chloroethane	ND	6.3	0.37	µg/Kg-dry	1		01/16/06 19:40
Chloroform	ND	3.2	0.05	µg/Kg-dry	1		01/16/06 19:40
Chloromethane	ND	6.3	0.48	µg/Kg-dry	1		01/16/06 19:40
cis-1,2-Dichloroethene	ND	3.2	0.14	µg/Kg-dry	1		01/16/06 19:40
cis-1,3-Dichloropropene	ND	3.2	0.11	µg/Kg-dry	1		01/16/06 19:40
Dibromochloromethane	ND	3.2	0.16	µg/Kg-dry	1		01/16/06 19:40
Dibromomethane	ND	3.2	0.14	µg/Kg-dry	1		01/16/06 19:40
Dichlorodifluoromethane	ND	6.3	0.10	µg/Kg-dry	1		01/16/06 19:40
Ethylbenzene	ND	3.2	0.13	µg/Kg-dry	1		01/16/06 19:40
Hexachlorobutadiene	ND	6.3	0.49	µg/Kg-dry	1		01/16/06 19:40
Isopropylbenzene	ND	3.2	0.10	µg/Kg-dry	1		01/16/06 19:40
Methyl tert-butyl ether	ND	3.2	0.09	µg/Kg-dry	1		01/16/06 19:40
Methylene chloride	0.79 J	6.3	0.50	µg/Kg-dry	1		01/16/06 19:40
n-Butylbenzene	ND	3.2	0.15	µg/Kg-dry	1		01/16/06 19:40
n-Propylbenzene	ND	3.2	0.11	µg/Kg-dry	1		01/16/06 19:40
Naphthalene	ND	6.3	0.47	µg/Kg-dry	1		01/16/06 19:40
p-Isopropyltoluene	ND	3.2	0.11	µg/Kg-dry	1		01/16/06 19:40
sec-Butylbenzene	ND	3.2	0.16	µg/Kg-dry	1		01/16/06 19:40
Styrene	ND	3.2	0.13	µg/Kg-dry	1		01/16/06 19:40
tert-Butylbenzene	ND	3.2	0.16	µg/Kg-dry	1		01/16/06 19:40
Tetrachloroethene	ND	3.2	0.18	µg/Kg-dry	1		01/16/06 19:40
Toluene	ND	3.2	0.15	µg/Kg-dry	1		01/16/06 19:40
trans-1,2-Dichloroethene	ND	3.2	0.13	µg/Kg-dry	1		01/16/06 19:40
trans-1,3-Dichloropropene	ND	3.2	0.11	µg/Kg-dry	1		01/16/06 19:40
Trichloroethene	ND	3.2	0.14	µg/Kg-dry	1		01/16/06 19:40
Trichlorofluoromethane	ND	6.3	0.10	µg/Kg-dry	1		01/16/06 19:40
Vinyl chloride	ND	6.3	0.10	µg/Kg-dry	1		01/16/06 19:40
Xylenes (total)	ND	6.3	0.23	µg/Kg-dry	1		01/16/06 19:40
Surr: 1,2-Dichloroethane-d4	85.6	71-128	0.16	%REC	1		01/16/06 19:40
Surr: 4-Bromofluorobenzene	75.4	59-125	0.11	%REC	1		01/16/06 19:40
Surr: Dibromofluoromethane	96.6	40-156	0.23	%REC	1		01/16/06 19:40
Surr: Toluene-d8	93.3	75-125	0.15	%REC	1		01/16/06 19:40

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 10:08:39 A

Sample Size: 5.01 g

%Moisture: 12.3

TestCode: 8260S TAGML

Lab ID: 0601049-015A

Client Sample ID: BH-28-S

Collection Date: 01/11/06 15:10

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8233.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/17/06 12:28
1,1,1-Trichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 12:28
1,1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry	1		01/17/06 12:28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 12:28
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/17/06 12:28
1,1-Dichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 12:28
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/17/06 12:28
1,1-Dichloropropene	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 12:28
1,2,3-Trichlorobenzene	ND	5.7	0.57	µg/Kg-dry	1		01/17/06 12:28
1,2,3-Trichloropropane	ND	2.9	0.19	µg/Kg-dry	1		01/17/06 12:28
1,2,4-Trichlorobenzene	ND	5.7	0.39	µg/Kg-dry	1		01/17/06 12:28
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/17/06 12:28
1,2-Dibromo-3-chloropropane	ND	5.7	0.46	µg/Kg-dry	1		01/17/06 12:28
1,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 12:28
1,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 12:28
1,2-Dichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 12:28
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/17/06 12:28
1,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 12:28
1,3-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 12:28
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/17/06 12:28
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/17/06 12:28
2,2-Dichloropropane	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 12:28
2-Butanone	ND	11	0.16	µg/Kg-dry	1		01/17/06 12:28
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/17/06 12:28
2-Hexanone	ND	5.7	0.25	µg/Kg-dry	1		01/17/06 12:28
4-Chlorotoluene	ND	2.9	0.18	µg/Kg-dry	1		01/17/06 12:28
4-Methyl-2-pentanone	ND	5.7	0.27	µg/Kg-dry	1		01/17/06 12:28
Acetone	3.0 J	11	0.44	µg/Kg-dry	1		01/17/06 12:28
Benzene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 12:28
Bromobenzene	ND	2.9	0.17	µg/Kg-dry	1		01/17/06 12:28
Bromochloromethane	ND	2.9	0.18	µg/Kg-dry	1		01/17/06 12:28
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/17/06 12:28
Bromoform	ND	2.9	0.07	µg/Kg-dry	1		01/17/06 12:28
Bromomethane	ND	5.7	0.34	µg/Kg-dry	1		01/17/06 12:28

Qualifiers:

B. Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J. Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 10:08:39 A

Sample Size: 5.01 g

%Moisture: 12.3

TestCode: 8260S TAGML

Lab ID: 0601049-015A

Client Sample ID: BH-28-S

Collection Date: 01/11/06 15:10

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8233.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		2.9	0.07	µg/Kg-dry	1	01/17/06 12:28
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/17/06 12:28
Chlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/17/06 12:28
Chloroethane	ND		5.7	0.33	µg/Kg-dry	1	01/17/06 12:28
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/17/06 12:28
Chloromethane	ND		5.7	0.43	µg/Kg-dry	1	01/17/06 12:28
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/17/06 12:28
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/17/06 12:28
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/17/06 12:28
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/17/06 12:28
Dichlorodifluoromethane	ND		5.7	0.09	µg/Kg-dry	1	01/17/06 12:28
Ethylbenzene	ND		2.9	0.11	µg/Kg-dry	1	01/17/06 12:28
Hexachlorobutadiene	ND		5.7	0.44	µg/Kg-dry	1	01/17/06 12:28
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/17/06 12:28
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/17/06 12:28
Methylene chloride	0.81 J		5.7	0.46	µg/Kg-dry	1	01/17/06 12:28
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/17/06 12:28
n-Propylbenzene	ND		2.9	0.10	µg/Kg-dry	1	01/17/06 12:28
Naphthalene	ND		5.7	0.42	µg/Kg-dry	1	01/17/06 12:28
p-Isopropyltoluene	ND		2.9	0.10	µg/Kg-dry	1	01/17/06 12:28
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/17/06 12:28
Styrene	ND		2.9	0.11	µg/Kg-dry	1	01/17/06 12:28
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/17/06 12:28
Tetrachloroethene	0.57 J		2.9	0.16	µg/Kg-dry	1	01/17/06 12:28
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/17/06 12:28
trans-1,2-Dichloroethene	ND		2.9	0.11	µg/Kg-dry	1	01/17/06 12:28
trans-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/17/06 12:28
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/17/06 12:28
Trichlorofluoromethane	1.2 J		5.7	0.09	µg/Kg-dry	1	01/17/06 12:28
Vinyl chloride	ND		5.7	0.09	µg/Kg-dry	1	01/17/06 12:28
Xylenes (total)	ND		5.7	0.21	µg/Kg-dry	1	01/17/06 12:28
Surr. 1,2-Dichloroethane-d4	91.7		71-128	0.15	%REC	1	01/17/06 12:28
Surr. 4-Bromofluorobenzene	57.1 S		59-125	0.10	%REC	1	01/17/06 12:28
Surr. Dibromofluoromethane	107		40-156	0.21	%REC	1	01/17/06 12:28
Surr. Toluene-d8	76.7		75-125	0.14	%REC	1	01/17/06 12:28

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:03 A

Sample Size: 4.99 g

%Moisture: 12.3

TestCode: 8260S TAGML

Lab ID: 0601049-015A

Client Sample ID: BH-28-S

Collection Date: 01/11/06 15:10

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4263

FileID: 1-RA-J8275.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/19/06 14:06
1,1,1-Trichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/19/06 14:06
1,1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry	1		01/19/06 14:06
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.11	µg/Kg-dry	1		01/19/06 14:06
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/19/06 14:06
1,1-Dichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/19/06 14:06
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/19/06 14:06
1,1-Dichloropropene	ND	2.9	0.11	µg/Kg-dry	1		01/19/06 14:06
1,2,3-Trichlorobenzene	ND	5.7	0.57	µg/Kg-dry	1		01/19/06 14:06
1,2,3-Trichloropropane	ND	2.9	0.19	µg/Kg-dry	1		01/19/06 14:06
1,2,4-Trichlorobenzene	ND	5.7	0.39	µg/Kg-dry	1		01/19/06 14:06
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/19/06 14:06
1,2-Dibromo-3-chloropropane	ND	5.7	0.46	µg/Kg-dry	1		01/19/06 14:06
1,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry	1		01/19/06 14:06
1,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry	1		01/19/06 14:06
1,2-Dichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/19/06 14:06
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/19/06 14:06
1,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry	1		01/19/06 14:06
1,3-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry	1		01/19/06 14:06
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/19/06 14:06
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/19/06 14:06
2,2-Dichloropropane	ND	2.9	0.10	µg/Kg-dry	1		01/19/06 14:06
2-Butanone	ND	11	0.16	µg/Kg-dry	1		01/19/06 14:06
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/19/06 14:06
2-Hexanone	ND	5.7	0.25	µg/Kg-dry	1		01/19/06 14:06
4-Chlorotoluene	ND	2.9	0.18	µg/Kg-dry	1		01/19/06 14:06
4-Methyl-2-pentanone	ND	5.7	0.27	µg/Kg-dry	1		01/19/06 14:06
Acetone	2.4 J	11	0.44	µg/Kg-dry	1		01/19/06 14:06
Benzene	ND	2.9	0.10	µg/Kg-dry	1		01/19/06 14:06
Bromobenzene	ND	2.9	0.17	µg/Kg-dry	1		01/19/06 14:06
Bromochloromethane	ND	2.9	0.18	µg/Kg-dry	1		01/19/06 14:06
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/19/06 14:06
Bromoform	ND	2.9	0.07	µg/Kg-dry	1		01/19/06 14:06
Bromomethane	ND	5.7	0.34	µg/Kg-dry	1		01/19/06 14:06

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:03 A

Sample Size: 4.99 g

%Moisture: 12.3

TestCode: 8260S TAGML

Lab ID: 0601049-015A

Client Sample ID: BH-28-S

Collection Date: 01/11/06 15:10

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4263

FileID: 1-RA-J8275.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	2.9	0.07	µg/Kg-dry	1		01/19/06 14:06
Carbon tetrachloride	ND	2.9	0.13	µg/Kg-dry	1		01/19/06 14:06
Chlorobenzene	ND	2.9	0.10	µg/Kg-dry	1		01/19/06 14:06
Chloroethane	ND	5.7	0.33	µg/Kg-dry	1		01/19/06 14:06
Chloroform	ND	2.9	0.05	µg/Kg-dry	1		01/19/06 14:06
Chloromethane	ND	5.7	0.43	µg/Kg-dry	1		01/19/06 14:06
cis-1,2-Dichloroethene	ND	2.9	0.13	µg/Kg-dry	1		01/19/06 14:06
cis-1,3-Dichloropropene	ND	2.9	0.10	µg/Kg-dry	1		01/19/06 14:06
Dibromochloromethane	ND	2.9	0.15	µg/Kg-dry	1		01/19/06 14:06
Dibromomethane	ND	2.9	0.13	µg/Kg-dry	1		01/19/06 14:06
Dichlorodifluoromethane	ND	5.7	0.09	µg/Kg-dry	1		01/19/06 14:06
Ethylbenzene	ND	2.9	0.11	µg/Kg-dry	1		01/19/06 14:06
Hexachlorobutadiene	ND	5.7	0.44	µg/Kg-dry	1		01/19/06 14:06
Isopropylbenzene	ND	2.9	0.09	µg/Kg-dry	1		01/19/06 14:06
Methyl tert-butyl ether	ND	2.9	0.08	µg/Kg-dry	1		01/19/06 14:06
Methylene chloride	2.6 J	5.7	0.46	µg/Kg-dry	1		01/19/06 14:06
n-Butylbenzene	ND	2.9	0.14	µg/Kg-dry	1		01/19/06 14:06
n-Propylbenzene	ND	2.9	0.10	µg/Kg-dry	1		01/19/06 14:06
Naphthalene	ND	5.7	0.42	µg/Kg-dry	1		01/19/06 14:06
p-Isopropyltoluene	ND	2.9	0.10	µg/Kg-dry	1		01/19/06 14:06
sec-Butylbenzene	ND	2.9	0.15	µg/Kg-dry	1		01/19/06 14:06
Styrene	ND	2.9	0.11	µg/Kg-dry	1		01/19/06 14:06
tert-Butylbenzene	ND	2.9	0.15	µg/Kg-dry	1		01/19/06 14:06
Tetrachloroethene	0.62 J	2.9	0.16	µg/Kg-dry	1		01/19/06 14:06
Toluene	ND	2.9	0.14	µg/Kg-dry	1		01/19/06 14:06
trans-1,2-Dichloroethene	ND	2.9	0.11	µg/Kg-dry	1		01/19/06 14:06
trans-1,3-Dichloropropene	ND	2.9	0.10	µg/Kg-dry	1		01/19/06 14:06
Trichloroethene	ND	2.9	0.13	µg/Kg-dry	1		01/19/06 14:06
Trichlorofluoromethane	1.1 J	5.7	0.09	µg/Kg-dry	1		01/19/06 14:06
Vinyl chloride	ND	5.7	0.09	µg/Kg-dry	1		01/19/06 14:06
Xylenes (total)	ND	5.7	0.21	µg/Kg-dry	1		01/19/06 14:06
Surr: 1,2-Dichloroethane-d4	93.6	71-128	0.15	%REC	1		01/19/06 14:06
Surr: 4-Bromofluorobenzene	54.6 S	59-125	0.10	%REC	1		01/19/06 14:06
Surr: Dibromofluoromethane	109	40-156	0.21	%REC	1		01/19/06 14:06
Surr: Toluene-d8	75.0 S	75-125	0.14	%REC	1		01/19/06 14:06

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 10:08:39 A

Sample Size: 4.98 g

%Moisture: 19.6

TestCode: 8260S TAGML

Lab ID: 0601049-016A

Client Sample ID: BH-28-D

Collection Date: 01/11/06 15:20

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8234.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 13:03
1,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 13:03
1,1,2,2-Tetrachloroethane	ND	3.1	0.20	µg/Kg-dry	1		01/17/06 13:03
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 13:03
1,1,2-Trichloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 13:03
1,1-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 13:03
1,1-Dichloroethene	ND	3.1	0.17	µg/Kg-dry	1		01/17/06 13:03
1,1-Dichloropropene	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 13:03
1,2,3-Trichlorobenzene	ND	6.2	0.62	µg/Kg-dry	1		01/17/06 13:03
1,2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-dry	1		01/17/06 13:03
1,2,4-Trichlorobenzene	ND	6.2	0.42	µg/Kg-dry	1		01/17/06 13:03
1,2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 13:03
1,2-Dibromo-3-chloropropane	ND	6.2	0.50	µg/Kg-dry	1		01/17/06 13:03
1,2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 13:03
1,2-Dichlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 13:03
1,2-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 13:03
1,2-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 13:03
1,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 13:03
1,3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 13:03
1,3-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 13:03
1,4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-dry	1		01/17/06 13:03
2,2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 13:03
2-Butanone	ND	12	0.17	µg/Kg-dry	1		01/17/06 13:03
2-Chlorotoluene	ND	3.1	0.09	µg/Kg-dry	1		01/17/06 13:03
2-Hexanone	ND	6.2	0.27	µg/Kg-dry	1		01/17/06 13:03
4-Chlorotoluene	ND	3.1	0.20	µg/Kg-dry	1		01/17/06 13:03
4-Methyl-2-pentanone	ND	6.2	0.30	µg/Kg-dry	1		01/17/06 13:03
Acetone	2.4 J	12	0.49	µg/Kg-dry	1		01/17/06 13:03
Benzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 13:03
Bromobenzene	ND	3.1	0.19	µg/Kg-dry	1		01/17/06 13:03
Bromochloromethane	ND	3.1	0.20	µg/Kg-dry	1		01/17/06 13:03
Bromodichloromethane	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 13:03
Bromoform	ND	3.1	0.07	µg/Kg-dry	1		01/17/06 13:03
Bromomethane	ND	6.2	0.37	µg/Kg-dry	1		01/17/06 13:03

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.98 g

ColumnID: Rtx-VMS

%Moisture: 19.6

Revision: 01/20/06 10:08:39 A

TestCode: 8260S TAGML

Lab ID: 0601049-016A

Client Sample ID: BH-28-D

Collection Date: 01/11/06 15:20

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8234.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	3.1	0.07	µg/Kg-dry	1		01/17/06 13:03
Carbon tetrachloride	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 13:03
Chlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 13:03
Chloroethane	ND	6.2	0.36	µg/Kg-dry	1		01/17/06 13:03
Chloroform	ND	3.1	0.05	µg/Kg-dry	1		01/17/06 13:03
Chloromethane	ND	6.2	0.47	µg/Kg-dry	1		01/17/06 13:03
cis-1,2-Dichloroethene	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 13:03
cis-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 13:03
Dibromochloromethane	ND	3.1	0.16	µg/Kg-dry	1		01/17/06 13:03
Dibromomethane	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 13:03
Dichlorodifluoromethane	ND	6.2	0.10	µg/Kg-dry	1		01/17/06 13:03
Ethylbenzene	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 13:03
Hexachlorobutadiene	ND	6.2	0.49	µg/Kg-dry	1		01/17/06 13:03
Isopropylbenzene	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 13:03
Methyl tert-butyl ether	ND	3.1	0.09	µg/Kg-dry	1		01/17/06 13:03
Methylene chloride	ND	6.2	0.50	µg/Kg-dry	1		01/17/06 13:03
n-Butylbenzene	ND	3.1	0.15	µg/Kg-dry	1		01/17/06 13:03
n-Propylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 13:03
Naphthalene	ND	6.2	0.46	µg/Kg-dry	1		01/17/06 13:03
p-Isopropyltoluene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 13:03
sec-Butylbenzene	ND	3.1	0.16	µg/Kg-dry	1		01/17/06 13:03
Styrene	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 13:03
tert-Butylbenzene	ND	3.1	0.16	µg/Kg-dry	1		01/17/06 13:03
Tetrachloroethene	ND	3.1	0.17	µg/Kg-dry	1		01/17/06 13:03
Toluene	ND	3.1	0.15	µg/Kg-dry	1		01/17/06 13:03
trans-1,2-Dichloroethene	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 13:03
trans-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 13:03
Trichloroethene	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 13:03
Trichlorofluoromethane	ND	6.2	0.10	µg/Kg-dry	1		01/17/06 13:03
Vinyl chloride	ND	6.2	0.10	µg/Kg-dry	1		01/17/06 13:03
Xylenes (total)	ND	6.2	0.22	µg/Kg-dry	1		01/17/06 13:03
Surr: 1,2-Dichloroethane-d4	84.7	71-128	0.16	%REC	1		01/17/06 13:03
Surr: 4-Bromofluorobenzene	74.9	59-125	0.11	%REC	1		01/17/06 13:03
Surr: Dibromofluoromethane	99.9	40-156	0.22	%REC	1		01/17/06 13:03
Surr: Toluene-d8	93.0	75-125	0.15	%REC	1		01/17/06 13:03

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 10:08:39 A

Sample Size: 5 g

%Moisture: 12.3

TestCode: 8260S TAGML

Lab ID: 0601049-017A

Client Sample ID: BH-29-S

Collection Date: 01/11/06 16:05

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8235.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/17/06 13:38
1,1,1-Trichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 13:38
1,1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry	1		01/17/06 13:38
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 13:38
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/17/06 13:38
1,1-Dichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 13:38
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/17/06 13:38
1,1-Dichloropropene	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 13:38
1,2,3-Trichlorobenzene	ND	5.7	0.57	µg/Kg-dry	1		01/17/06 13:38
1,2,3-Trichloropropane	ND	2.9	0.19	µg/Kg-dry	1		01/17/06 13:38
1,2,4-Trichlorobenzene	ND	5.7	0.39	µg/Kg-dry	1		01/17/06 13:38
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/17/06 13:38
1,2-Dibromo-3-chloropropane	ND	5.7	0.46	µg/Kg-dry	1		01/17/06 13:38
1,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 13:38
1,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 13:38
1,2-Dichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 13:38
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/17/06 13:38
1,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 13:38
1,3-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 13:38
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/17/06 13:38
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/17/06 13:38
2,2-Dichloropropane	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 13:38
2-Butanone	ND	11	0.16	µg/Kg-dry	1		01/17/06 13:38
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/17/06 13:38
2-Hexanone	ND	5.7	0.25	µg/Kg-dry	1		01/17/06 13:38
4-Chlorotoluene	ND	2.9	0.18	µg/Kg-dry	1		01/17/06 13:38
4-Methyl-2-pentanone	ND	5.7	0.27	µg/Kg-dry	1		01/17/06 13:38
Acetone	2.6 J	11	0.44	µg/Kg-dry	1		01/17/06 13:38
Benzene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 13:38
Bromobenzene	ND	2.9	0.17	µg/Kg-dry	1		01/17/06 13:38
Bromochloromethane	ND	2.9	0.18	µg/Kg-dry	1		01/17/06 13:38
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/17/06 13:38
Bromoform	ND	2.9	0.07	µg/Kg-dry	1		01/17/06 13:38
Bromomethane	ND	5.7	0.34	µg/Kg-dry	1		01/17/06 13:38

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 5 g

ColumnID: Rtx-VMS

%Moisture: 12.3

Revision: 01/20/06 10:08:39 A

TestCode: 8260S TAGML

Lab ID: 0601049-017A

Client Sample ID: BH-29-S

Collection Date: 01/11/06 16:05

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8235.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	2.9	0.07	µg/Kg-dry	1		01/17/06 13:38
Carbon tetrachloride	ND	2.9	0.13	µg/Kg-dry	1		01/17/06 13:38
Chlorobenzene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 13:38
Chloroethane	ND	5.7	0.33	µg/Kg-dry	1		01/17/06 13:38
Chloroform	ND	2.9	0.05	µg/Kg-dry	1		01/17/06 13:38
Chloromethane	ND	5.7	0.43	µg/Kg-dry	1		01/17/06 13:38
cis-1,2-Dichloroethene	ND	2.9	0.13	µg/Kg-dry	1		01/17/06 13:38
cis-1,3-Dichloropropene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 13:38
Dibromochloromethane	ND	2.9	0.15	µg/Kg-dry	1		01/17/06 13:38
Dibromomethane	ND	2.9	0.13	µg/Kg-dry	1		01/17/06 13:38
Dichlorodifluoromethane	ND	5.7	0.09	µg/Kg-dry	1		01/17/06 13:38
Ethylbenzene	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 13:38
Hexachlorobutadiene	ND	5.7	0.44	µg/Kg-dry	1		01/17/06 13:38
Isopropylbenzene	ND	2.9	0.09	µg/Kg-dry	1		01/17/06 13:38
Methyl tert-butyl ether	ND	2.9	0.08	µg/Kg-dry	1		01/17/06 13:38
Methylene chloride	ND	5.7	0.46	µg/Kg-dry	1		01/17/06 13:38
n-Butylbenzene	ND	2.9	0.14	µg/Kg-dry	1		01/17/06 13:38
n-Propylbenzene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 13:38
Naphthalene	ND	5.7	0.42	µg/Kg-dry	1		01/17/06 13:38
p-Isopropyltoluene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 13:38
sec-Butylbenzene	ND	2.9	0.15	µg/Kg-dry	1		01/17/06 13:38
Styrene	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 13:38
tert-Butylbenzene	ND	2.9	0.15	µg/Kg-dry	1		01/17/06 13:38
Tetrachloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/17/06 13:38
Toluene	ND	2.9	0.14	µg/Kg-dry	1		01/17/06 13:38
trans-1,2-Dichloroethene	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 13:38
trans-1,3-Dichloropropene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 13:38
Trichloroethene	ND	2.9	0.13	µg/Kg-dry	1		01/17/06 13:38
Trichlorofluoromethane	ND	5.7	0.09	µg/Kg-dry	1		01/17/06 13:38
Vinyl chloride	ND	5.7	0.09	µg/Kg-dry	1		01/17/06 13:38
Xylenes (total)	ND	5.7	0.21	µg/Kg-dry	1		01/17/06 13:38
Surr: 1,2-Dichloroethane-d4	86.6	71-128	0.15	%REC	1		01/17/06 13:38
Surr: 4-Bromofluorobenzene	71.3	59-125	0.10	%REC	1		01/17/06 13:38
Surr: Dibromofluoromethane	97.1	40-156	0.21	%REC	1		01/17/06 13:38
Surr: Toluene-d8	91.5	75-125	0.14	%REC	1		01/17/06 13:38

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Lab ID: 0601049-018A

Client Sample ID: BH-29-D

Collection Date: 01/11/06 16:20

Date Received: 01/12/06 7:50

Inst. ID: MS03 10

Sample Size: 4.99 g

PrepDate:

ColumnID: Rtx-VMS

%Moisture: 20.4

BatchNo:

R4228

Revision: 01/20/06 10:08:39 A

TestCode: 8260S TAGML

FileID:

1-SAMP-J8236.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 14:13
1,1,1-Trichloroethane	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 14:13
1,1,2,2-Tetrachloroethane	ND	3.1	0.20	µg/Kg-dry	1		01/17/06 14:13
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 14:13
1,1,2-Trichloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 14:13
1,1-Dichloroethane	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 14:13
1,1-Dichloroethene	ND	3.1	0.18	µg/Kg-dry	1		01/17/06 14:13
1,1-Dichloropropene	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 14:13
1,2,3-Trichlorobenzene	ND	6.3	0.63	µg/Kg-dry	1		01/17/06 14:13
1,2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-dry	1		01/17/06 14:13
1,2,4-Trichlorobenzene	ND	6.3	0.43	µg/Kg-dry	1		01/17/06 14:13
1,2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 14:13
1,2-Dibromo-3-chloropropane	ND	6.3	0.50	µg/Kg-dry	1		01/17/06 14:13
1,2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:13
1,2-Dichlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:13
1,2-Dichloroethane	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 14:13
1,2-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 14:13
1,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:13
1,3-Dichlorobenzene	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 14:13
1,3-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 14:13
1,4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-dry	1		01/17/06 14:13
2,2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:13
2-Butanone	ND	13	0.18	µg/Kg-dry	1		01/17/06 14:13
2-Chlorotoluene	ND	3.1	0.09	µg/Kg-dry	1		01/17/06 14:13
2-Hexanone	ND	6.3	0.28	µg/Kg-dry	1		01/17/06 14:13
4-Chlorotoluene	ND	3.1	0.20	µg/Kg-dry	1		01/17/06 14:13
4-Methyl-2-pentanone	ND	6.3	0.30	µg/Kg-dry	1		01/17/06 14:13
Acetone	1.8 J	13	0.49	µg/Kg-dry	1		01/17/06 14:13
Benzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:13
Bromobenzene	ND	3.1	0.19	µg/Kg-dry	1		01/17/06 14:13
Bromochloromethane	ND	3.1	0.20	µg/Kg-dry	1		01/17/06 14:13
Bromodichloromethane	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 14:13
Bromoform	ND	3.1	0.08	µg/Kg-dry	1		01/17/06 14:13
Bromomethane	ND	6.3	0.38	µg/Kg-dry	1		01/17/06 14:13

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.99 g

ColumnID: Rtx-VMS

%Moisture: 20.4

Revision: 01/20/06 10:08:39 A

TestCode: 8260S TAGML

Lab ID: 0601049-018A

Client Sample ID: BH-29-D

Collection Date: 01/11/06 16:20

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8236.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	3.1	0.08	µg/Kg-dry	1		01/17/06 14:13
Carbon tetrachloride	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 14:13
Chlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:13
Chloroethane	ND	6.3	0.36	µg/Kg-dry	1		01/17/06 14:13
Chloroform	ND	3.1	0.05	µg/Kg-dry	1		01/17/06 14:13
Chloromethane	ND	6.3	0.48	µg/Kg-dry	1		01/17/06 14:13
cis-1,2-Dichloroethene	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 14:13
cis-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:13
Dibromochloromethane	ND	3.1	0.16	µg/Kg-dry	1		01/17/06 14:13
Dibromomethane	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 14:13
Dichlorodifluoromethane	ND	6.3	0.10	µg/Kg-dry	1		01/17/06 14:13
Ethylbenzene	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 14:13
Hexachlorobutadiene	ND	6.3	0.49	µg/Kg-dry	1		01/17/06 14:13
Isopropylbenzene	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 14:13
Methyl tert-butyl ether	ND	3.1	0.09	µg/Kg-dry	1		01/17/06 14:13
Methylene chloride	ND	6.3	0.50	µg/Kg-dry	1		01/17/06 14:13
n-Butylbenzene	ND	3.1	0.15	µg/Kg-dry	1		01/17/06 14:13
n-Propylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:13
Naphthalene	ND	6.3	0.46	µg/Kg-dry	1		01/17/06 14:13
p-Isopropyltoluene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:13
sec-Butylbenzene	ND	3.1	0.16	µg/Kg-dry	1		01/17/06 14:13
Styrene	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 14:13
tert-Butylbenzene	ND	3.1	0.16	µg/Kg-dry	1		01/17/06 14:13
Tetrachloroethene	ND	3.1	0.18	µg/Kg-dry	1		01/17/06 14:13
Toluene	ND	3.1	0.15	µg/Kg-dry	1		01/17/06 14:13
trans-1,2-Dichloroethene	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 14:13
trans-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:13
Trichloroethene	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 14:13
Trichlorofluoromethane	ND	6.3	0.10	µg/Kg-dry	1		01/17/06 14:13
Vinyl chloride	ND	6.3	0.10	µg/Kg-dry	1		01/17/06 14:13
Xylenes (total)	ND	6.3	0.23	µg/Kg-dry	1		01/17/06 14:13
Surr. 1,2-Dichloroethane-d4	86.1	71-126	0.16	%REC	1		01/17/06 14:13
Surr. 4-Bromofluorobenzene	71.9	59-125	0.11	%REC	1		01/17/06 14:13
Surr. Dibromofluoromethane	101	40-156	0.23	%REC	1		01/17/06 14:13
Surr. Toluene-d8	91.6	75-125	0.15	%REC	1		01/17/06 14:13

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 5.02 g

ColumnID: Rtx-VMS

%Moisture: 18.6

Revision: 01/20/06 10:08:39 A

TestCode: 8260S TAGML

Lab ID: 0601049-019A

Client Sample ID: BH-34-S

Collection Date: 01/11/06 14:30

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8237.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 14:48
1,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 14:48
1,1,2,2-Tetrachloroethane	ND	3.1	0.20	µg/Kg-dry	1		01/17/06 14:48
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 14:48
1,1,2-Trichloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 14:48
1,1-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 14:48
1,1-Dichloroethene	ND	3.1	0.17	µg/Kg-dry	1		01/17/06 14:48
1,1-Dichloropropene	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 14:48
1,2,3-Trichlorobenzene	ND	6.1	0.61	µg/Kg-dry	1		01/17/06 14:48
1,2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-dry	1		01/17/06 14:48
1,2,4-Trichlorobenzene	ND	6.1	0.42	µg/Kg-dry	1		01/17/06 14:48
1,2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-dry	1		01/17/06 14:48
1,2-Dibromo-3-chloropropane	ND	6.1	0.49	µg/Kg-dry	1		01/17/06 14:48
1,2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:48
1,2-Dichlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:48
1,2-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 14:48
1,2-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 14:48
1,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:48
1,3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 14:48
1,3-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 14:48
1,4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-dry	1		01/17/06 14:48
2,2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:48
2-Butanone	ND	12	0.17	µg/Kg-dry	1		01/17/06 14:48
2-Chlorotoluene	ND	3.1	0.09	µg/Kg-dry	1		01/17/06 14:48
2-Hexanone	ND	6.1	0.27	µg/Kg-dry	1		01/17/06 14:48
4-Chlorotoluene	ND	3.1	0.20	µg/Kg-dry	1		01/17/06 14:48
4-Methyl-2-pentanone	ND	6.1	0.29	µg/Kg-dry	1		01/17/06 14:48
Acetone	2.7 J	12	0.46	µg/Kg-dry	1		01/17/06 14:48
Benzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 14:48
Bromobenzene	ND	3.1	0.18	µg/Kg-dry	1		01/17/06 14:48
Bromochloromethane	ND	3.1	0.20	µg/Kg-dry	1		01/17/06 14:48
Bromodichloromethane	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 14:48
Bromoform	ND	3.1	0.07	µg/Kg-dry	1		01/17/06 14:48
Bromomethane	ND	6.1	0.37	µg/Kg-dry	1		01/17/06 14:48

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 5.02 g

ColumnID: Rtx-VMS

%Moisture: 18.6

Revision: 01/20/06 10:08:39 A

TestCode: 8260S TAGML

Lab ID: 0601049-019A

Client Sample ID: BH-34-S

Collection Date: 01/11/06 14:30

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8237.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		3.1	0.07	µg/Kg-dry	1	01/17/06 14:48
Carbon tetrachloride	ND		3.1	0.14	µg/Kg-dry	1	01/17/06 14:48
Chlorobenzene	ND		3.1	0.11	µg/Kg-dry	1	01/17/06 14:48
Chloroethane	ND		6.1	0.36	µg/Kg-dry	1	01/17/06 14:48
Chloroform	ND		3.1	0.05	µg/Kg-dry	1	01/17/06 14:48
Chloromethane	ND		6.1	0.47	µg/Kg-dry	1	01/17/06 14:48
cis-1,2-Dichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/17/06 14:48
cis-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/17/06 14:48
Dibromochloromethane	ND		3.1	0.16	µg/Kg-dry	1	01/17/06 14:48
Dibromomethane	ND		3.1	0.14	µg/Kg-dry	1	01/17/06 14:48
Dichlorodifluoromethane	ND		6.1	0.10	µg/Kg-dry	1	01/17/06 14:48
Ethylbenzene	ND		3.1	0.12	µg/Kg-dry	1	01/17/06 14:48
Hexachlorobutadiene	ND		6.1	0.48	µg/Kg-dry	1	01/17/06 14:48
Isopropylbenzene	ND		3.1	0.10	µg/Kg-dry	1	01/17/06 14:48
Methyl tert-butyl ether	ND		3.1	0.09	µg/Kg-dry	1	01/17/06 14:48
Methylene chloride	1.2 J		6.1	0.49	µg/Kg-dry	1	01/17/06 14:48
n-Butylbenzene	ND		3.1	0.15	µg/Kg-dry	1	01/17/06 14:48
n-Propylbenzene	ND		3.1	0.11	µg/Kg-dry	1	01/17/06 14:48
Naphthalene	ND		6.1	0.45	µg/Kg-dry	1	01/17/06 14:48
p-Isopropyltoluene	ND		3.1	0.11	µg/Kg-dry	1	01/17/06 14:48
sec-Butylbenzene	ND		3.1	0.16	µg/Kg-dry	1	01/17/06 14:48
Styrene	ND		3.1	0.12	µg/Kg-dry	1	01/17/06 14:48
tert-Butylbenzene	ND		3.1	0.16	µg/Kg-dry	1	01/17/06 14:48
Tetrachloroethene	ND		3.1	0.17	µg/Kg-dry	1	01/17/06 14:48
Toluene	0.76 J		3.1	0.15	µg/Kg-dry	1	01/17/06 14:48
trans-1,2-Dichloroethene	ND		3.1	0.12	µg/Kg-dry	1	01/17/06 14:48
trans-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/17/06 14:48
Trichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/17/06 14:48
Trichlorofluoromethane	ND		6.1	0.10	µg/Kg-dry	1	01/17/06 14:48
Vinyl chloride	ND		6.1	0.10	µg/Kg-dry	1	01/17/06 14:48
Xylenes (total)	ND		6.1	0.22	µg/Kg-dry	1	01/17/06 14:48
Surr: 1,2-Dichloroethane-d4	91.2		71-128	0.16	%REC	1	01/17/06 14:48
Surr: 4-Bromofluorobenzene	51.6 S		59-125	0.11	%REC	1	01/17/06 14:48
Surr: Dibromofluoromethane	111		40-156	0.22	%REC	1	01/17/06 14:48
Surr: Toluene-d8	78.6		75-125	0.15	%REC	1	01/17/06 14:48

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:03 A

Sample Size: 4.99 g

%Moisture: 18.6

TestCode: 8260S TAGML

Lab ID: 0601049-019A

Client Sample ID: BH-34-S

Collection Date: 01/11/06 14:30

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4263

FileID: 1-RA-J8276.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/19/06 14:41
1,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/19/06 14:41
1,1,2,2-Tetrachloroethane	ND	3.1	0.20	µg/Kg-dry	1		01/19/06 14:41
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.1	0.12	µg/Kg-dry	1		01/19/06 14:41
1,1,2-Trichloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/19/06 14:41
1,1-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/19/06 14:41
1,1-Dichloroethene	ND	3.1	0.17	µg/Kg-dry	1		01/19/06 14:41
1,1-Dichloropropene	ND	3.1	0.12	µg/Kg-dry	1		01/19/06 14:41
1,2,3-Trichlorobenzene	ND	6.1	0.61	µg/Kg-dry	1		01/19/06 14:41
1,2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-dry	1		01/19/06 14:41
1,2,4-Trichlorobenzene	ND	6.1	0.42	µg/Kg-dry	1		01/19/06 14:41
1,2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-dry	1		01/19/06 14:41
1,2-Dibromo-3-chloropropane	ND	6.1	0.49	µg/Kg-dry	1		01/19/06 14:41
1,2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry	1		01/19/06 14:41
1,2-Dichlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/19/06 14:41
1,2-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/19/06 14:41
1,2-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/19/06 14:41
1,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/19/06 14:41
1,3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-dry	1		01/19/06 14:41
1,3-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/19/06 14:41
1,4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-dry	1		01/19/06 14:41
2,2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry	1		01/19/06 14:41
2-Butanone	ND	12	0.17	µg/Kg-dry	1		01/19/06 14:41
2-Chlorotoluene	ND	3.1	0.09	µg/Kg-dry	1		01/19/06 14:41
2-Hexanone	ND	6.1	0.27	µg/Kg-dry	1		01/19/06 14:41
4-Chlorotoluene	ND	3.1	0.20	µg/Kg-dry	1		01/19/06 14:41
4-Methyl-2-pentanone	ND	6.1	0.29	µg/Kg-dry	1		01/19/06 14:41
Acetone	2.2 J	12	0.48	µg/Kg-dry	1		01/19/06 14:41
Benzene	ND	3.1	0.11	µg/Kg-dry	1		01/19/06 14:41
Bromobenzene	ND	3.1	0.16	µg/Kg-dry	1		01/19/06 14:41
Bromochloromethane	ND	3.1	0.20	µg/Kg-dry	1		01/19/06 14:41
Bromodichloromethane	ND	3.1	0.10	µg/Kg-dry	1		01/19/06 14:41
Bromoform	ND	3.1	0.07	µg/Kg-dry	1		01/19/06 14:41
Bromomethane	ND	6.1	0.37	µg/Kg-dry	1		01/19/06 14:41

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:03 A

Sample Size: 4.99 g

%Moisture: 18.6

TestCode: 8260S TAGML

Lab ID: 0601049-019A

Client Sample ID: BH-34-S

Collection Date: 01/11/06 14:30

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4263

FileID: 1-RA-J8276.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		3.1	0.07	µg/Kg-dry	1	01/19/06 14:41
Carbon tetrachloride	ND		3.1	0.14	µg/Kg-dry	1	01/19/06 14:41
Chlorobenzene	ND		3.1	0.11	µg/Kg-dry	1	01/19/06 14:41
Chloroethane	ND		6.1	0.36	µg/Kg-dry	1	01/19/06 14:41
Chloroform	ND		3.1	0.05	µg/Kg-dry	1	01/19/06 14:41
Chloromethane	ND		6.1	0.47	µg/Kg-dry	1	01/19/06 14:41
cis-1,2-Dichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/19/06 14:41
cis-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/19/06 14:41
Dibromochloromethane	ND		3.1	0.16	µg/Kg-dry	1	01/19/06 14:41
Dibromomethane	ND		3.1	0.14	µg/Kg-dry	1	01/19/06 14:41
Dichlorodifluoromethane	ND		6.1	0.10	µg/Kg-dry	1	01/19/06 14:41
Ethylbenzene	ND		3.1	0.12	µg/Kg-dry	1	01/19/06 14:41
Hexachlorobutadiene	ND		6.1	0.48	µg/Kg-dry	1	01/19/06 14:41
Isopropylbenzene	ND		3.1	0.10	µg/Kg-dry	1	01/19/06 14:41
Methyl tert-butyl ether	ND		3.1	0.09	µg/Kg-dry	1	01/19/06 14:41
Methylene chloride	2.5 J		6.1	0.49	µg/Kg-dry	1	01/19/06 14:41
n-Butylbenzene	ND		3.1	0.15	µg/Kg-dry	1	01/19/06 14:41
n-Propylbenzene	ND		3.1	0.11	µg/Kg-dry	1	01/19/06 14:41
Naphthalene	ND		6.1	0.45	µg/Kg-dry	1	01/19/06 14:41
p-Isopropyltoluene	ND		3.1	0.11	µg/Kg-dry	1	01/19/06 14:41
sec-Butylbenzene	ND		3.1	0.16	µg/Kg-dry	1	01/19/06 14:41
Styrene	ND		3.1	0.12	µg/Kg-dry	1	01/19/06 14:41
tert-Butylbenzene	ND		3.1	0.16	µg/Kg-dry	1	01/19/06 14:41
Tetrachloroethene	ND		3.1	0.17	µg/Kg-dry	1	01/19/06 14:41
Toluene	0.66 J		3.1	0.15	µg/Kg-dry	1	01/19/06 14:41
trans-1,2-Dichloroethene	ND		3.1	0.12	µg/Kg-dry	1	01/19/06 14:41
trans-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/19/06 14:41
Trichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/19/06 14:41
Trichlorofluoromethane	ND		6.1	0.10	µg/Kg-dry	1	01/19/06 14:41
Vinyl chloride	ND		6.1	0.10	µg/Kg-dry	1	01/19/06 14:41
Xylenes (total)	ND		6.1	0.22	µg/Kg-dry	1	01/19/06 14:41
Sum: 1,2-Dichloroethane-d4	69.3		71-128	0.16	%REC	1	01/19/06 14:41
Sum: 4-Bromofluorobenzene	50.9 S		59-125	0.11	%REC	1	01/19/06 14:41
Sum: Dibromofluoromethane	110		40-156	0.22	%REC	1	01/19/06 14:41
Sum: Toluene-d8	79.9		75-125	0.15	%REC	1	01/19/06 14:41

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:10

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 4.99 g

%Moisture: 8.0

TestCode: 8260S TAGML

Lab ID: 0601049-020A

Client Sample ID: BH-34-D

Collection Date: 01/11/06 14:40

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8254.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.7	0.12	µg/Kg-dry	1		01/18/06 12:28
1,1,1-Trichloroethane	ND	2.7	0.11	µg/Kg-dry	1		01/18/06 12:28
1,1,2,2-Tetrachloroethane	ND	2.7	0.17	µg/Kg-dry	1		01/18/06 12:28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.7	0.11	µg/Kg-dry	1		01/18/06 12:28
1,1,2-Trichloroethane	ND	2.7	0.12	µg/Kg-dry	1		01/18/06 12:28
1,1-Dichloroethane	ND	2.7	0.11	µg/Kg-dry	1		01/18/06 12:28
1,1-Dichloroethene	ND	2.7	0.15	µg/Kg-dry	1		01/18/06 12:28
1,1-Dichloropropene	ND	2.7	0.11	µg/Kg-dry	1		01/18/06 12:28
1,2,3-Trichlorobenzene	ND	5.4	0.54	µg/Kg-dry	1		01/18/06 12:28
1,2,3-Trichloropropane	ND	2.7	0.18	µg/Kg-dry	1		01/18/06 12:28
1,2,4-Trichlorobenzene	ND	5.4	0.37	µg/Kg-dry	1		01/18/06 12:28
1,2,4-Trimethylbenzene	1.4 J	2.7	0.12	µg/Kg-dry	1		01/18/06 12:28
1,2-Dibromo-3-chloropropane	ND	5.4	0.43	µg/Kg-dry	1		01/18/06 12:28
1,2-Dibromoethane	ND	2.7	0.10	µg/Kg-dry	1		01/18/06 12:28
1,2-Dichlorobenzene	ND	2.7	0.10	µg/Kg-dry	1		01/18/06 12:28
1,2-Dichloroethane	ND	2.7	0.11	µg/Kg-dry	1		01/18/06 12:28
1,2-Dichloropropane	ND	2.7	0.09	µg/Kg-dry	1		01/18/06 12:28
1,3,5-Trimethylbenzene	4.0	2.7	0.10	µg/Kg-dry	1		01/18/06 12:28
1,3-Dichlorobenzene	ND	2.7	0.11	µg/Kg-dry	1		01/18/06 12:28
1,3-Dichloropropane	ND	2.7	0.09	µg/Kg-dry	1		01/18/06 12:28
1,4-Dichlorobenzene	ND	2.7	0.14	µg/Kg-dry	1		01/18/06 12:28
2,2-Dichloropropane	ND	2.7	0.10	µg/Kg-dry	1		01/18/06 12:28
2-Butanone	ND	11	0.15	µg/Kg-dry	1		01/18/06 12:28
2-Chlorotoluene	ND	2.7	0.08	µg/Kg-dry	1		01/18/06 12:28
2-Hexanone	ND	5.4	0.24	µg/Kg-dry	1		01/18/06 12:28
4-Chlorotoluene	ND	2.7	0.17	µg/Kg-dry	1		01/18/06 12:28
4-Methyl-2-pentanone	ND	5.4	0.26	µg/Kg-dry	1		01/18/06 12:28
Acetone	1.3 J	11	0.42	µg/Kg-dry	1		01/18/06 12:28
Benzene	ND	2.7	0.10	µg/Kg-dry	1		01/18/06 12:28
Bromobenzene	ND	2.7	0.16	µg/Kg-dry	1		01/18/06 12:28
Bromochloromethane	ND	2.7	0.17	µg/Kg-dry	1		01/18/06 12:28
Bromodichloromethane	ND	2.7	0.09	µg/Kg-dry	1		01/18/06 12:28
Bromoform	ND	2.7	0.07	µg/Kg-dry	1		01/18/06 12:28
Bromomethane	ND	5.4	0.33	µg/Kg-dry	1		01/18/06 12:28

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 4.99 g

%Moisture: 8.0

TestCode: 8260S TAGML

Lab ID: 0601049-020A

Client Sample ID: BH-34-D

Collection Date: 01/11/06 14:40

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8254.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	2.7	0.07	µg/Kg-dry	1		01/18/06 12:28
Carbon tetrachloride	ND	2.7	0.12	µg/Kg-dry	1		01/18/06 12:28
Chlorobenzene	ND	2.7	0.10	µg/Kg-dry	1		01/18/06 12:28
Chloroethane	ND	5.4	0.32	µg/Kg-dry	1		01/18/06 12:28
Chloroform	ND	2.7	0.04	µg/Kg-dry	1		01/18/06 12:28
Chloromethane	ND	5.4	0.41	µg/Kg-dry	1		01/18/06 12:28
cis-1,2-Dichloroethene	ND	2.7	0.12	µg/Kg-dry	1		01/18/06 12:28
cis-1,3-Dichloropropene	ND	2.7	0.10	µg/Kg-dry	1		01/18/06 12:28
Dibromochloromethane	ND	2.7	0.14	µg/Kg-dry	1		01/18/06 12:28
Dibromomethane	ND	2.7	0.12	µg/Kg-dry	1		01/18/06 12:28
Dichlorodifluoromethane	ND	5.4	0.09	µg/Kg-dry	1		01/18/06 12:28
Ethylbenzene	ND	2.7	0.11	µg/Kg-dry	1		01/18/06 12:28
Hexachlorobutadiene	ND	5.4	0.42	µg/Kg-dry	1		01/18/06 12:28
Isopropylbenzene	ND	2.7	0.09	µg/Kg-dry	1		01/18/06 12:28
Methyl tert-butyl ether	ND	2.7	0.08	µg/Kg-dry	1		01/18/06 12:28
Methylene chloride	8.0	5.4	0.43	µg/Kg-dry	1		01/18/06 12:28
n-Butylbenzene	ND	2.7	0.13	µg/Kg-dry	1		01/18/06 12:28
n-Propylbenzene	ND	2.7	0.10	µg/Kg-dry	1		01/18/06 12:28
Naphthalene	1.3 J	5.4	0.40	µg/Kg-dry	1		01/18/06 12:28
p-Isopropyltoluene	ND	2.7	0.10	µg/Kg-dry	1		01/18/06 12:28
sec-Butylbenzene	ND	2.7	0.14	µg/Kg-dry	1		01/18/06 12:28
Styrene	ND	2.7	0.11	µg/Kg-dry	1		01/18/06 12:28
tert-Butylbenzene	ND	2.7	0.14	µg/Kg-dry	1		01/18/06 12:28
Tetrachloroethene	ND	2.7	0.15	µg/Kg-dry	1		01/18/06 12:28
Toluene	ND	2.7	0.13	µg/Kg-dry	1		01/18/06 12:28
trans-1,2-Dichloroethene	ND	2.7	0.11	µg/Kg-dry	1		01/18/06 12:28
trans-1,3-Dichloropropene	ND	2.7	0.10	µg/Kg-dry	1		01/18/06 12:28
Trichloroethene	ND	2.7	0.12	µg/Kg-dry	1		01/18/06 12:28
Trichlorofluoromethane	ND	5.4	0.09	µg/Kg-dry	1		01/18/06 12:28
Vinyl chloride	ND	5.4	0.09	µg/Kg-dry	1		01/18/06 12:28
Xylenes (total)	ND	5.4	0.20	µg/Kg-dry	1		01/18/06 12:28
Surr: 1,2-Dichloroethane-d4	86.7	71-128	0.14	%REC	1		01/18/06 12:28
Surr: 4-Bromofluorobenzene	61.2	59-125	0.10	%REC	1		01/18/06 12:28
Surr: Dibromofluoromethane	100	40-156	0.20	%REC	1		01/18/06 12:28
Surr: Toluene-d8	87.3	75-125	0.13	%REC	1		01/18/06 12:28

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:11

Project Supervisor: Thomas A. Alexander



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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:03 A

Sample Size: 5 g

%Moisture: 8.0

TestCode: 8260S TAGML

Lab ID: 0601049-020A

Client Sample ID: BH-34-D

Collection Date: 01/11/06 14:40

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4263

FileID: 1-RA-J8277.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.7	0.12	µg/Kg-dry	1		01/19/06 15:16
1,1,1-Trichloroethane	ND	2.7	0.11	µg/Kg-dry	1		01/19/06 15:16
1,1,2,2-Tetrachloroethane	ND	2.7	0.17	µg/Kg-dry	1		01/19/06 15:16
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.7	0.11	µg/Kg-dry	1		01/19/06 15:16
1,1,2-Trichloroethane	ND	2.7	0.12	µg/Kg-dry	1		01/19/06 15:16
1,1-Dichloroethane	ND	2.7	0.11	µg/Kg-dry	1		01/19/06 15:16
1,1-Dichloroethene	ND	2.7	0.15	µg/Kg-dry	1		01/19/06 15:16
1,1-Dichloropropene	ND	2.7	0.11	µg/Kg-dry	1		01/19/06 15:16
1,2,3-Trichlorobenzene	ND	5.4	0.54	µg/Kg-dry	1		01/19/06 15:16
1,2,3-Trichloropropane	ND	2.7	0.18	µg/Kg-dry	1		01/19/06 15:16
1,2,4-Trichlorobenzene	ND	5.4	0.37	µg/Kg-dry	1		01/19/06 15:16
1,2,4-Trimethylbenzene	1.3 J	2.7	0.12	µg/Kg-dry	1		01/19/06 15:16
1,2-Dibromo-3-chloropropane	ND	5.4	0.43	µg/Kg-dry	1		01/19/06 15:16
1,2-Dibromoethane	ND	2.7	0.10	µg/Kg-dry	1		01/19/06 15:16
1,2-Dichlorobenzene	ND	2.7	0.10	µg/Kg-dry	1		01/19/06 15:16
1,2-Dichloroethane	ND	2.7	0.11	µg/Kg-dry	1		01/19/06 15:16
1,2-Dichloropropane	ND	2.7	0.09	µg/Kg-dry	1		01/19/06 15:16
1,3,5-Trimethylbenzene	3.7	2.7	0.10	µg/Kg-dry	1		01/19/06 15:16
1,3-Dichlorobenzene	ND	2.7	0.11	µg/Kg-dry	1		01/19/06 15:18
1,3-Dichloropropane	ND	2.7	0.09	µg/Kg-dry	1		01/19/06 15:16
1,4-Dichlorobenzene	ND	2.7	0.14	µg/Kg-dry	1		01/19/06 15:16
2,2-Dichloropropane	ND	2.7	0.10	µg/Kg-dry	1		01/19/06 15:16
2-Butanone	ND	11	0.15	µg/Kg-dry	1		01/19/06 15:16
2-Chlorotoluene	ND	2.7	0.08	µg/Kg-dry	1		01/19/06 15:16
2-Hexanone	ND	5.4	0.24	µg/Kg-dry	1		01/19/06 15:16
4-Chlorotoluene	ND	2.7	0.17	µg/Kg-dry	1		01/19/06 15:16
4-Methyl-2-pentanone	ND	5.4	0.26	µg/Kg-dry	1		01/19/06 15:16
Acetone	1.5 J	11	0.42	µg/Kg-dry	1		01/19/06 15:16
Benzene	ND	2.7	0.10	µg/Kg-dry	1		01/19/06 15:16
Bromobenzene	ND	2.7	0.16	µg/Kg-dry	1		01/19/06 15:16
Bromochloromethane	ND	2.7	0.17	µg/Kg-dry	1		01/19/06 15:16
Bromodichloromethane	ND	2.7	0.09	µg/Kg-dry	1		01/19/06 15:16
Bromoform	ND	2.7	0.07	µg/Kg-dry	1		01/19/06 15:16
Bromomethane	ND	5.4	0.33	µg/Kg-dry	1		01/19/06 15:16

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/20/06 10:11

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:03 A

Sample Size: 5 g

%Moisture: 8.0

TestCode: 8260S TAGML

Lab ID: 0601049-020A

Client Sample ID: BH-34-D

Collection Date: 01/11/06 14:40

Date Received: 01/12/06 7:50

PrepDate:

BatchNo: R4263

FileID: 1-RA-J8277.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		2.7	0.07	µg/Kg-dry	1	01/19/06 15:16
Carbon tetrachloride	ND		2.7	0.12	µg/Kg-dry	1	01/19/06 15:16
Chlorobenzene	ND		2.7	0.10	µg/Kg-dry	1	01/19/06 15:16
Chloroethane	ND		5.4	0.32	µg/Kg-dry	1	01/19/06 15:16
Chloroform	ND		2.7	0.04	µg/Kg-dry	1	01/19/06 15:16
Chloromethane	ND		5.4	0.41	µg/Kg-dry	1	01/19/06 15:16
cis-1,2-Dichloroethene	ND		2.7	0.12	µg/Kg-dry	1	01/19/06 15:16
cis-1,3-Dichloropropene	ND		2.7	0.10	µg/Kg-dry	1	01/19/06 15:16
Dibromochloromethane	ND		2.7	0.14	µg/Kg-dry	1	01/19/06 15:16
Dibromomethane	ND		2.7	0.12	µg/Kg-dry	1	01/19/06 15:16
Dichlorodifluoromethane	ND		5.4	0.09	µg/Kg-dry	1	01/19/06 15:16
Ethylbenzene	ND		2.7	0.11	µg/Kg-dry	1	01/19/06 15:16
Hexachlorobutadiene	ND		5.4	0.42	µg/Kg-dry	1	01/19/06 15:16
Isopropylbenzene	ND		2.7	0.09	µg/Kg-dry	1	01/19/06 15:16
Methyl tert-butyl ether	ND		2.7	0.08	µg/Kg-dry	1	01/19/06 15:16
Methylene chloride	2.2 J		5.4	0.43	µg/Kg-dry	1	01/19/06 15:16
n-Butylbenzene	ND		2.7	0.13	µg/Kg-dry	1	01/19/06 15:16
n-Propylbenzene	ND		2.7	0.10	µg/Kg-dry	1	01/19/06 15:16
Naphthalene	1.3 J		5.4	0.40	µg/Kg-dry	1	01/19/06 15:16
p-Isopropyltoluene	ND		2.7	0.10	µg/Kg-dry	1	01/19/06 15:16
sec-Butylbenzene	ND		2.7	0.14	µg/Kg-dry	1	01/19/06 15:16
Styrene	ND		2.7	0.11	µg/Kg-dry	1	01/19/06 15:16
tert-Butylbenzene	ND		2.7	0.14	µg/Kg-dry	1	01/19/06 15:16
Tetrachloroethene	ND		2.7	0.15	µg/Kg-dry	1	01/19/06 15:16
Toluene	ND		2.7	0.13	µg/Kg-dry	1	01/19/06 15:16
trans-1,2-Dichloroethene	ND		2.7	0.11	µg/Kg-dry	1	01/19/06 15:16
trans-1,3-Dichloropropene	ND		2.7	0.10	µg/Kg-dry	1	01/19/06 15:16
Trichloroethene	ND		2.7	0.12	µg/Kg-dry	1	01/19/06 15:16
Trichlorofluoromethane	ND		5.4	0.09	µg/Kg-dry	1	01/19/06 15:16
Vinyl chloride	ND		5.4	0.09	µg/Kg-dry	1	01/19/06 15:16
Xylenes (total)	ND		5.4	0.20	µg/Kg-dry	1	01/19/06 15:16
Surr: 1,2-Dichloroethane-d4	87.6		71-128	0.14	%REC	1	01/19/06 15:16
Surr: 4-Bromofluorobenzene	63.0		59-125	0.10	%REC	1	01/19/06 15:16
Surr: Dibromofluoromethane	101		40-156	0.20	%REC	1	01/19/06 15:16
Surr: Toluene-d8	88.5		75-125	0.13	%REC	1	01/19/06 15:16

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 10:08:39 A

Sample Size: 4.98 g

%Moisture: 16.0

TestCode: 8260S TAGML

Lab ID: 0601050-001A

Client Sample ID: BH-37

Collection Date: 01/11/06 8:30

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: I-SAMP-J8239.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.0	0.13	µg/Kg-dry	1		01/17/06 15:58
1,1,1-Trichloroethane	ND	3.0	0.12	µg/Kg-dry	1		01/17/06 15:58
1,1,2,2-Tetrachloroethane	ND	3.0	0.19	µg/Kg-dry	1		01/17/06 15:58
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.0	0.12	µg/Kg-dry	1		01/17/06 15:58
1,1,2-Trichloroethane	ND	3.0	0.13	µg/Kg-dry	1		01/17/06 15:58
1,1-Dichloroethane	ND	3.0	0.12	µg/Kg-dry	1		01/17/06 15:58
1,1-Dichloroethene	ND	3.0	0.17	µg/Kg-dry	1		01/17/06 15:58
1,1-Dichloropropene	ND	3.0	0.12	µg/Kg-dry	1		01/17/06 15:58
1,2,3-Trichlorobenzene	ND	6.0	0.60	µg/Kg-dry	1		01/17/06 15:58
1,2,3-Trichloropropane	ND	3.0	0.20	µg/Kg-dry	1		01/17/06 15:58
1,2,4-Trichlorobenzene	ND	6.0	0.40	µg/Kg-dry	1		01/17/06 15:58
1,2,4-Trimethylbenzene	ND	3.0	0.13	µg/Kg-dry	1		01/17/06 15:58
1,2-Dibromo-3-chloropropane	ND	6.0	0.48	µg/Kg-dry	1		01/17/06 15:58
1,2-Dibromoethane	ND	3.0	0.11	µg/Kg-dry	1		01/17/06 15:58
1,2-Dichlorobenzene	ND	3.0	0.11	µg/Kg-dry	1		01/17/06 15:58
1,2-Dichloroethane	ND	3.0	0.12	µg/Kg-dry	1		01/17/06 15:58
1,2-Dichloropropane	ND	3.0	0.10	µg/Kg-dry	1		01/17/06 15:58
1,3,5-Trimethylbenzene	ND	3.0	0.11	µg/Kg-dry	1		01/17/06 15:58
1,3-Dichlorobenzene	ND	3.0	0.12	µg/Kg-dry	1		01/17/06 15:58
1,3-Dichloropropane	ND	3.0	0.10	µg/Kg-dry	1		01/17/06 15:58
1,4-Dichlorobenzene	ND	3.0	0.15	µg/Kg-dry	1		01/17/06 15:58
2,2-Dichloropropane	ND	3.0	0.11	µg/Kg-dry	1		01/17/06 15:58
2-Butanone	ND	12	0.17	µg/Kg-dry	1		01/17/06 15:58
2-Chlorotoluene	ND	3.0	0.08	µg/Kg-dry	1		01/17/06 15:58
2-Hexanone	ND	6.0	0.26	µg/Kg-dry	1		01/17/06 15:58
4-Chlorotoluene	ND	3.0	0.19	µg/Kg-dry	1		01/17/06 15:58
4-Methyl-2-pentanone	ND	6.0	0.29	µg/Kg-dry	1		01/17/06 15:58
Acetone	2.9 J	12	0.46	µg/Kg-dry	1		01/17/06 15:58
Benzene	ND	3.0	0.11	µg/Kg-dry	1		01/17/06 15:58
Bromobenzene	ND	3.0	0.18	µg/Kg-dry	1		01/17/06 15:58
Bromochloromethane	ND	3.0	0.19	µg/Kg-dry	1		01/17/06 15:58
Bromodichloromethane	ND	3.0	0.10	µg/Kg-dry	1		01/17/06 15:58
Bromoform	ND	3.0	0.07	µg/Kg-dry	1		01/17/06 15:58
Bromomethane	ND	6.0	0.36	µg/Kg-dry	1		01/17/06 15:58

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 10:08:39 A

Sample Size: 4.98 g

%Moisture: 16.0

TestCode: 8260S TAGML

Lab ID: 0601050-001A

Client Sample ID: BH-37

Collection Date: 01/11/06 8:30

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8239.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	3.0	0.07	µg/Kg-dry	1		01/17/06 15:58
Carbon tetrachloride	ND	3.0	0.13	µg/Kg-dry	1		01/17/06 15:58
Chlorobenzene	ND	3.0	0.11	µg/Kg-dry	1		01/17/06 15:58
Chloroethane	ND	6.0	0.35	µg/Kg-dry	1		01/17/06 15:58
Chloroform	ND	3.0	0.05	µg/Kg-dry	1		01/17/06 15:58
Chloromethane	ND	6.0	0.45	µg/Kg-dry	1		01/17/06 15:58
cis-1,2-Dichloroethene	ND	3.0	0.13	µg/Kg-dry	1		01/17/06 15:58
cis-1,3-Dichloropropene	ND	3.0	0.11	µg/Kg-dry	1		01/17/06 15:58
Dibromochloromethane	ND	3.0	0.15	µg/Kg-dry	1		01/17/06 15:58
Dibromomethane	ND	3.0	0.13	µg/Kg-dry	1		01/17/06 15:58
Dichlorodifluoromethane	ND	6.0	0.10	µg/Kg-dry	1		01/17/06 15:58
Ethylbenzene	ND	3.0	0.12	µg/Kg-dry	1		01/17/06 15:58
Hexachlorobutadiene	ND	6.0	0.46	µg/Kg-dry	1		01/17/06 15:58
Isopropylbenzene	ND	3.0	0.10	µg/Kg-dry	1		01/17/06 15:58
Methyl tert-butyl ether	ND	3.0	0.08	µg/Kg-dry	1		01/17/06 15:58
Methylene chloride	ND	6.0	0.48	µg/Kg-dry	1		01/17/06 15:58
n-Butylbenzene	ND	3.0	0.14	µg/Kg-dry	1		01/17/06 15:58
n-Propylbenzene	ND	3.0	0.11	µg/Kg-dry	1		01/17/06 15:58
Naphthalene	ND	6.0	0.44	µg/Kg-dry	1		01/17/06 15:58
p-Isopropyltoluene	ND	3.0	0.11	µg/Kg-dry	1		01/17/06 15:58
sec-Butylbenzene	ND	3.0	0.15	µg/Kg-dry	1		01/17/06 15:58
Styrene	ND	3.0	0.12	µg/Kg-dry	1		01/17/06 15:58
tert-Butylbenzene	ND	3.0	0.15	µg/Kg-dry	1		01/17/06 15:58
Tetrachloroethene	ND	3.0	0.17	µg/Kg-dry	1		01/17/06 15:58
Toluene	ND	3.0	0.14	µg/Kg-dry	1		01/17/06 15:58
trans-1,2-Dichloroethene	ND	3.0	0.12	µg/Kg-dry	1		01/17/06 15:58
trans-1,3-Dichloropropene	ND	3.0	0.11	µg/Kg-dry	1		01/17/06 15:58
Trichloroethene	ND	3.0	0.13	µg/Kg-dry	1		01/17/06 15:58
Trichlorofluoromethane	ND	6.0	0.10	µg/Kg-dry	1		01/17/06 15:58
Vinyl chloride	ND	6.0	0.10	µg/Kg-dry	1		01/17/06 15:58
Xylenes (total)	ND	6.0	0.21	µg/Kg-dry	1		01/17/06 15:58
Surr: 1,2-Dichloroethane-d4	88.6	71-128	0.15	%REC	1		01/17/06 15:58
Surr: 4-Bromofluorobenzene	60.5	59-125	0.11	%REC	1		01/17/06 15:58
Surr: Dibromofluoromethane	104	40-156	0.21	%REC	1		01/17/06 15:58
Surr: Toluene-d8	88.3	75-125	0.14	%REC	1		01/17/06 15:58

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:03 A

Sample Size: 5 g

%Moisture: 16.0

TestCode: 8260S TAGML

Lab ID: 0601050-001A

Client Sample ID: BH-37

Collection Date: 01/11/06 8:30

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4263

FileID: 1-RA-J8278.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND		3.0	0.13	µg/Kg-dry	1	01/19/06 15:51
1,1,1-Trichloroethane	ND		3.0	0.12	µg/Kg-dry	1	01/19/06 15:51
1,1,2,2-Tetrachloroethane	ND		3.0	0.19	µg/Kg-dry	1	01/19/06 15:51
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.12	µg/Kg-dry	1	01/19/06 15:51
1,1,2-Trichloroethane	ND		3.0	0.13	µg/Kg-dry	1	01/19/06 15:51
1,1-Dichloroethane	ND		3.0	0.12	µg/Kg-dry	1	01/19/06 15:51
1,1-Dichloroethene	ND		3.0	0.17	µg/Kg-dry	1	01/19/06 15:51
1,1-Dichloropropene	ND		3.0	0.12	µg/Kg-dry	1	01/19/06 15:51
1,2,3-Trichlorobenzene	ND		6.0	0.60	µg/Kg-dry	1	01/19/06 15:51
1,2,3-Trichloropropane	ND		3.0	0.20	µg/Kg-dry	1	01/19/06 15:51
1,2,4-Trichlorobenzene	ND		6.0	0.40	µg/Kg-dry	1	01/19/06 15:51
1,2,4-Trimethylbenzene	ND		3.0	0.13	µg/Kg-dry	1	01/19/06 15:51
1,2-Dibromo-3-chloropropane	ND		6.0	0.48	µg/Kg-dry	1	01/19/06 15:51
1,2-Dibromoethane	ND		3.0	0.11	µg/Kg-dry	1	01/19/06 15:51
1,2-Dichlorobenzene	ND		3.0	0.11	µg/Kg-dry	1	01/19/06 15:51
1,2-Dichloroethane	ND		3.0	0.12	µg/Kg-dry	1	01/19/06 15:51
1,2-Dichloropropane	ND		3.0	0.10	µg/Kg-dry	1	01/19/06 15:51
1,3,5-Trimethylbenzene	ND		3.0	0.11	µg/Kg-dry	1	01/19/06 15:51
1,3-Dichlorobenzene	ND		3.0	0.12	µg/Kg-dry	1	01/19/06 15:51
1,3-Dichloropropane	ND		3.0	0.10	µg/Kg-dry	1	01/19/06 15:51
1,4-Dichlorobenzene	ND		3.0	0.15	µg/Kg-dry	1	01/19/06 15:51
2,2-Dichloropropane	ND		3.0	0.11	µg/Kg-dry	1	01/19/06 15:51
2-Butanone	ND		12	0.17	µg/Kg-dry	1	01/19/06 15:51
2-Chlorotoluene	ND		3.0	0.08	µg/Kg-dry	1	01/19/06 15:51
2-Hexanone	ND		6.0	0.26	µg/Kg-dry	1	01/19/06 15:51
4-Chlorotoluene	ND		3.0	0.19	µg/Kg-dry	1	01/19/06 15:51
4-Methyl-2-pentanone	ND		6.0	0.29	µg/Kg-dry	1	01/19/06 15:51
Acetone	2.7 J		12	0.46	µg/Kg-dry	1	01/19/06 15:51
Benzene	ND		3.0	0.11	µg/Kg-dry	1	01/19/06 15:51
Bromobenzene	ND		3.0	0.18	µg/Kg-dry	1	01/19/06 15:51
Bromochloromethane	ND		3.0	0.19	µg/Kg-dry	1	01/19/06 15:51
Bromodichloromethane	ND		3.0	0.10	µg/Kg-dry	1	01/19/06 15:51
Bromoform	ND		3.0	0.07	µg/Kg-dry	1	01/19/06 15:51
Bromomethane	ND		6.0	0.36	µg/Kg-dry	1	01/19/06 15:51

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:03 A

Sample Size: 5 g

%Moisture: 16.0

TestCode: 8260S TAGML

Lab ID: 0601050-001A

Client Sample ID: BH-37

Collection Date: 01/11/06 8:30

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4263

FileID: 1-RA-J8278.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		3.0	0.07	µg/Kg-dry	1	01/19/06 15:51
Carbon tetrachloride	ND		3.0	0.13	µg/Kg-dry	1	01/19/06 15:51
Chlorobenzene	ND		3.0	0.11	µg/Kg-dry	1	01/19/06 15:51
Chloroethane	ND		6.0	0.35	µg/Kg-dry	1	01/19/06 15:51
Chloroform	ND		3.0	0.05	µg/Kg-dry	1	01/19/06 15:51
Chloromethane	ND		6.0	0.45	µg/Kg-dry	1	01/19/06 15:51
cis-1,2-Dichloroethene	ND		3.0	0.13	µg/Kg-dry	1	01/19/06 15:51
cis-1,3-Dichloropropene	ND		3.0	0.11	µg/Kg-dry	1	01/19/06 15:51
Dibromochloromethane	ND		3.0	0.15	µg/Kg-dry	1	01/19/06 15:51
Dibromomethane	ND		3.0	0.13	µg/Kg-dry	1	01/19/06 15:51
Dichlorodifluoromethane	ND		6.0	0.10	µg/Kg-dry	1	01/19/06 15:51
Ethylbenzene	ND		3.0	0.12	µg/Kg-dry	1	01/19/06 15:51
Hexachlorobutadiene	ND		6.0	0.46	µg/Kg-dry	1	01/19/06 15:51
Isopropylbenzene	ND		3.0	0.10	µg/Kg-dry	1	01/19/06 15:51
Methyl tert-butyl ether	ND		3.0	0.08	µg/Kg-dry	1	01/19/06 15:51
Methylene chloride	0.61 J		6.0	0.46	µg/Kg-dry	1	01/19/06 15:51
n-Butylbenzene	ND		3.0	0.14	µg/Kg-dry	1	01/19/06 15:51
n-Propylbenzene	ND		3.0	0.11	µg/Kg-dry	1	01/19/06 15:51
Naphthalene	ND		6.0	0.44	µg/Kg-dry	1	01/19/06 15:51
p-Isopropyltoluene	ND		3.0	0.11	µg/Kg-dry	1	01/19/06 15:51
sec-Butylbenzene	ND		3.0	0.15	µg/Kg-dry	1	01/19/06 15:51
Styrene	ND		3.0	0.12	µg/Kg-dry	1	01/19/06 15:51
tert-Butylbenzene	ND		3.0	0.15	µg/Kg-dry	1	01/19/06 15:51
Tetrachloroethene	ND		3.0	0.17	µg/Kg-dry	1	01/19/06 15:51
Toluene	ND		3.0	0.14	µg/Kg-dry	1	01/19/06 15:51
trans-1,2-Dichloroethene	ND		3.0	0.12	µg/Kg-dry	1	01/19/06 15:51
trans-1,3-Dichloropropene	ND		3.0	0.11	µg/Kg-dry	1	01/19/06 15:51
Trichloroethene	ND		3.0	0.13	µg/Kg-dry	1	01/19/06 15:51
Trichlorofluoromethane	ND		6.0	0.10	µg/Kg-dry	1	01/19/06 15:51
Vinyl chloride	ND		6.0	0.10	µg/Kg-dry	1	01/19/06 15:51
Xylenes (total)	ND		6.0	0.21	µg/Kg-dry	1	01/19/06 15:51
Surr: 1,2-Dichloroethane-d4	87.9		71-128	0.15	%REC	1	01/19/06 15:51
Surr: 4-Bromofluorobenzene	60.3		59-125	0.11	%REC	1	01/19/06 15:51
Surr: Dibromofluoromethane	102		40-156	0.21	%REC	1	01/19/06 15:51
Surr: Toluene-d8	87.9		75-125	0.14	%REC	1	01/19/06 15:51

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 10:08:39 A

Sample Size: 4.98 g

%Moisture: 18.3

TestCode: 8260S TAGML

Lab ID: 0601050-002A

Client Sample ID: BH-35-S

Collection Date: 01/11/06 8:55

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8240.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 16:33
1,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 16:33
1,1,2,2-Tetrachloroethane	ND	3.1	0.20	µg/Kg-dry	1		01/17/06 16:33
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 16:33
1,1,2-Trichloroethane	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 16:33
1,1-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 16:33
1,1-Dichloroethene	ND	3.1	0.17	µg/Kg-dry	1		01/17/06 16:33
1,1-Dichloropropene	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 16:33
1,2,3-Trichlorobenzene	ND	6.1	0.61	µg/Kg-dry	1		01/17/06 16:33
1,2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-dry	1		01/17/06 16:33
1,2,4-Trichlorobenzene	ND	6.1	0.42	µg/Kg-dry	1		01/17/06 16:33
1,2,4-Trimethylbenzene	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 16:33
1,2-Dibromo-3-chloropropane	ND	6.1	0.49	µg/Kg-dry	1		01/17/06 16:33
1,2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 16:33
1,2-Dichlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 16:33
1,2-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 16:33
1,2-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 16:33
1,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 16:33
1,3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 16:33
1,3-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 16:33
1,4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-dry	1		01/17/06 16:33
2,2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 16:33
2-Butanone	ND	12	0.17	µg/Kg-dry	1		01/17/06 16:33
2-Chlorotoluene	ND	3.1	0.09	µg/Kg-dry	1		01/17/06 16:33
2-Hexanone	ND	6.1	0.27	µg/Kg-dry	1		01/17/06 16:33
4-Chlorotoluene	ND	3.1	0.20	µg/Kg-dry	1		01/17/06 16:33
4-Methyl-2-pentanone	ND	6.1	0.29	µg/Kg-dry	1		01/17/06 16:33
Acetone	1.9 J	12	0.48	µg/Kg-dry	1		01/17/06 16:33
Benzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 16:33
Bromobenzene	ND	3.1	0.18	µg/Kg-dry	1		01/17/06 16:33
Bromochloromethane	ND	3.1	0.20	µg/Kg-dry	1		01/17/06 16:33
Bromodichloromethane	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 16:33
Bromoform	ND	3.1	0.07	µg/Kg-dry	1		01/17/06 16:33
Bromomethane	ND	6.1	0.37	µg/Kg-dry	1		01/17/06 16:33

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 10:08:39 A

Sample Size: 4.98 g

%Moisture: 18.3

TestCode: 8260S TAGML

Lab ID: 0601050-002A

Client Sample ID: BH-35-S

Collection Date: 01/11/06 8:55

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8240.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	3.1	0.07	µg/Kg-dry	1		01/17/06 16:33
Carbon tetrachloride	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 16:33
Chlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 16:33
Chloroethane	ND	6.1	0.35	µg/Kg-dry	1		01/17/06 16:33
Chloroform	ND	3.1	0.05	µg/Kg-dry	1		01/17/06 16:33
Chloromethane	ND	6.1	0.46	µg/Kg-dry	1		01/17/06 16:33
cis-1,2-Dichloroethene	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 16:33
cis-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 16:33
Dibromochloromethane	ND	3.1	0.16	µg/Kg-dry	1		01/17/06 16:33
Dibromomethane	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 16:33
Dichlorodifluoromethane	ND	6.1	0.10	µg/Kg-dry	1		01/17/06 16:33
Ethylbenzene	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 16:33
Hexachlorobutadiene	ND	6.1	0.48	µg/Kg-dry	1		01/17/06 16:33
Isopropylbenzene	ND	3.1	0.10	µg/Kg-dry	1		01/17/06 16:33
Methyl tert-butyl ether	ND	3.1	0.09	µg/Kg-dry	1		01/17/06 16:33
Methylene chloride	ND	6.1	0.49	µg/Kg-dry	1		01/17/06 16:33
n-Butylbenzene	ND	3.1	0.15	µg/Kg-dry	1		01/17/06 16:33
n-Propylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 16:33
Naphthalene	ND	6.1	0.45	µg/Kg-dry	1		01/17/06 16:33
p-Isopropyltoluene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 16:33
sec-Butylbenzene	ND	3.1	0.16	µg/Kg-dry	1		01/17/06 16:33
Styrene	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 16:33
tert-Butylbenzene	ND	3.1	0.16	µg/Kg-dry	1		01/17/06 16:33
Tetrachloroethene	ND	3.1	0.17	µg/Kg-dry	1		01/17/06 16:33
Toluene	ND	3.1	0.15	µg/Kg-dry	1		01/17/06 16:33
trans-1,2-Dichloroethene	ND	3.1	0.12	µg/Kg-dry	1		01/17/06 16:33
trans-1,3-Dichloropropene	ND	3.1	0.11	µg/Kg-dry	1		01/17/06 16:33
Trichloroethene	ND	3.1	0.13	µg/Kg-dry	1		01/17/06 16:33
Trichlorofluoromethane	ND	6.1	0.10	µg/Kg-dry	1		01/17/06 16:33
Vinyl chloride	ND	6.1	0.10	µg/Kg-dry	1		01/17/06 16:33
Xylenes (total)	ND	6.1	0.22	µg/Kg-dry	1		01/17/06 16:33
Surr: 1,2-Dichloroethane-d4	87.6	71-128	0.16	%REC	1		01/17/06 16:33
Surr: 4-Bromofluorobenzene	63.5	59-125	0.11	%REC	1		01/17/06 16:33
Surr: Dibromofluoromethane	103	40-156	0.22	%REC	1		01/17/06 16:33
Surr: Toluene-d8	87.9	75-125	0.15	%REC	1		01/17/06 16:33

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 5.01 g

ColumnID: Rtx-VMS

%Moisture: 20.9

Revision: 01/20/06 10:08:39 A

TestCode: 8260S TAGML

Lab ID: 0601050-003A

Client Sample ID: BH-35-D

Collection Date: 01/11/06 9:05

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8241.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.2	0.14	µg/Kg-dry	1		01/17/06 17:08
1,1,1-Trichloroethane	ND	3.2	0.13	µg/Kg-dry	1		01/17/06 17:08
1,1,2,2-Tetrachloroethane	ND	3.2	0.20	µg/Kg-dry	1		01/17/06 17:08
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.2	0.13	µg/Kg-dry	1		01/17/06 17:08
1,1,2-Trichloroethane	ND	3.2	0.14	µg/Kg-dry	1		01/17/06 17:08
1,1-Dichloroethane	ND	3.2	0.13	µg/Kg-dry	1		01/17/06 17:08
1,1-Dichloroethene	ND	3.2	0.18	µg/Kg-dry	1		01/17/06 17:08
1,1-Dichloropropene	ND	3.2	0.13	µg/Kg-dry	1		01/17/06 17:08
1,2,3-Trichlorobenzene	ND	6.3	0.63	µg/Kg-dry	1		01/17/06 17:08
1,2,3-Trichloropropane	ND	3.2	0.22	µg/Kg-dry	1		01/17/06 17:08
1,2,4-Trichlorobenzene	ND	6.3	0.43	µg/Kg-dry	1		01/17/06 17:08
1,2,4-Trimethylbenzene	ND	3.2	0.14	µg/Kg-dry	1		01/17/06 17:08
1,2-Dibromo-3-chloropropane	ND	6.3	0.51	µg/Kg-dry	1		01/17/06 17:08
1,2-Dibromoethane	ND	3.2	0.11	µg/Kg-dry	1		01/17/06 17:08
1,2-Dichlorobenzene	ND	3.2	0.11	µg/Kg-dry	1		01/17/06 17:08
1,2-Dichloroethane	ND	3.2	0.13	µg/Kg-dry	1		01/17/06 17:08
1,2-Dichloropropane	ND	3.2	0.10	µg/Kg-dry	1		01/17/06 17:08
1,3,5-Trimethylbenzene	ND	3.2	0.11	µg/Kg-dry	1		01/17/06 17:08
1,3-Dichlorobenzene	ND	3.2	0.13	µg/Kg-dry	1		01/17/06 17:08
1,3-Dichloropropane	ND	3.2	0.10	µg/Kg-dry	1		01/17/06 17:08
1,4-Dichlorobenzene	ND	3.2	0.16	µg/Kg-dry	1		01/17/06 17:08
2,2-Dichloropropane	ND	3.2	0.11	µg/Kg-dry	1		01/17/06 17:08
2-Butanone	ND	13	0.18	µg/Kg-dry	1		01/17/06 17:08
2-Chlorotoluene	ND	3.2	0.09	µg/Kg-dry	1		01/17/06 17:08
2-Hexanone	ND	6.3	0.28	µg/Kg-dry	1		01/17/06 17:08
4-Chlorotoluene	ND	3.2	0.20	µg/Kg-dry	1		01/17/06 17:08
4-Methyl-2-pentanone	ND	6.3	0.30	µg/Kg-dry	1		01/17/06 17:08
Acetone	2.0 J	13	0.49	µg/Kg-dry	1		01/17/06 17:08
Benzene	ND	3.2	0.11	µg/Kg-dry	1		01/17/06 17:08
Bromobenzene	ND	3.2	0.19	µg/Kg-dry	1		01/17/06 17:08
Bromochloromethane	ND	3.2	0.20	µg/Kg-dry	1		01/17/06 17:08
Bromodichloromethane	ND	3.2	0.10	µg/Kg-dry	1		01/17/06 17:08
Bromoform	ND	3.2	0.08	µg/Kg-dry	1		01/17/06 17:08
Bromomethane	ND	6.3	0.38	µg/Kg-dry	1		01/17/06 17:08

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 5.01 g

ColumnID: Rtx-VMS

%Moisture: 20.9

Revision: 01/20/06 10:08:39 A

TestCode: 8260S TAGML

Lab ID: 0601050-003A

Client Sample ID: BH-35-D

Collection Date: 01/11/06 9:05

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8241.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	3.2	0.08	µg/Kg-dry	1		01/17/06 17:08
Carbon tetrachloride	ND	3.2	0.14	µg/Kg-dry	1		01/17/06 17:08
Chlorobenzene	ND	3.2	0.11	µg/Kg-dry	1		01/17/06 17:08
Chloroethane	ND	6.3	0.37	µg/Kg-dry	1		01/17/06 17:08
Chloroform	ND	3.2	0.05	µg/Kg-dry	1		01/17/06 17:08
Chloromethane	ND	6.3	0.48	µg/Kg-dry	1		01/17/06 17:08
cis-1,2-Dichloroethene	ND	3.2	0.14	µg/Kg-dry	1		01/17/06 17:08
cis-1,3-Dichloropropene	ND	3.2	0.11	µg/Kg-dry	1		01/17/06 17:08
Dibromochloromethane	ND	3.2	0.16	µg/Kg-dry	1		01/17/06 17:08
Dibromomethane	ND	3.2	0.14	µg/Kg-dry	1		01/17/06 17:08
Dichlorodifluoromethane	ND	6.3	0.10	µg/Kg-dry	1		01/17/06 17:08
Ethylbenzene	ND	3.2	0.13	µg/Kg-dry	1		01/17/06 17:08
Hexachlorobutadiene	ND	6.3	0.49	µg/Kg-dry	1		01/17/06 17:08
Isopropylbenzene	ND	3.2	0.10	µg/Kg-dry	1		01/17/06 17:08
Methyl tert-butyl ether	ND	3.2	0.09	µg/Kg-dry	1		01/17/06 17:08
Methylene chloride	ND	6.3	0.51	µg/Kg-dry	1		01/17/06 17:08
n-Butylbenzene	ND	3.2	0.15	µg/Kg-dry	1		01/17/06 17:08
n-Propylbenzene	ND	3.2	0.11	µg/Kg-dry	1		01/17/06 17:08
Naphthalene	ND	6.3	0.47	µg/Kg-dry	1		01/17/06 17:08
p-Isopropyltoluene	ND	3.2	0.11	µg/Kg-dry	1		01/17/06 17:08
sec-Butylbenzene	ND	3.2	0.16	µg/Kg-dry	1		01/17/06 17:08
Styrene	ND	3.2	0.13	µg/Kg-dry	1		01/17/06 17:08
tert-Butylbenzene	ND	3.2	0.16	µg/Kg-dry	1		01/17/06 17:08
Tetrachloroethene	ND	3.2	0.18	µg/Kg-dry	1		01/17/06 17:08
Toluene	ND	3.2	0.15	µg/Kg-dry	1		01/17/06 17:08
trans-1,2-Dichloroethene	ND	3.2	0.13	µg/Kg-dry	1		01/17/06 17:08
trans-1,3-Dichloropropene	ND	3.2	0.11	µg/Kg-dry	1		01/17/06 17:08
Trichloroethene	ND	3.2	0.14	µg/Kg-dry	1		01/17/06 17:08
Trichlorofluoromethane	ND	6.3	0.10	µg/Kg-dry	1		01/17/06 17:08
Vinyl chloride	ND	6.3	0.10	µg/Kg-dry	1		01/17/06 17:08
Xylenes (total)	ND	6.3	0.23	µg/Kg-dry	1		01/17/06 17:08
Surr: 1,2-Dichloroethane-d4	87.5	71-128	0.16	%REC	1		01/17/06 17:08
Surr: 4-Bromofluorobenzene	66.9	59-125	0.11	%REC	1		01/17/06 17:08
Surr: Dibromofluoromethane	101	40-156	0.23	%REC	1		01/17/06 17:08
Surr: Toluene-d8	90.7	75-125	0.15	%REC	1		01/17/06 17:08

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.98 g

ColumnID: Rtx-VMS

%Moisture: 3.9

Revision: 01/20/06 10:08:39 A

TestCode: 8260S TAGML

Lab ID: 0601050-004A

Client Sample ID: BH-36-S

Collection Date: 01/10/06 14:20

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8242.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.6	0.11	µg/Kg-dry	1		01/17/06 17:42
1,1,1-Trichloroethane	ND	2.6	0.10	µg/Kg-dry	1		01/17/06 17:42
1,1,2,2-Tetrachloroethane	ND	2.6	0.17	µg/Kg-dry	1		01/17/06 17:42
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.6	0.10	µg/Kg-dry	1		01/17/06 17:42
1,1,2-Trichloroethane	ND	2.6	0.11	µg/Kg-dry	1		01/17/06 17:42
1,1-Dichloroethane	ND	2.6	0.10	µg/Kg-dry	1		01/17/06 17:42
1,1-Dichloroethene	ND	2.6	0.15	µg/Kg-dry	1		01/17/06 17:42
1,1-Dichloropropene	ND	2.6	0.10	µg/Kg-dry	1		01/17/06 17:42
1,2,3-Trichlorobenzene	ND	5.2	0.52	µg/Kg-dry	1		01/17/06 17:42
1,2,3-Trichloropropane	ND	2.6	0.18	µg/Kg-dry	1		01/17/06 17:42
1,2,4-Trichlorobenzene	ND	5.2	0.35	µg/Kg-dry	1		01/17/06 17:42
1,2,4-Trimethylbenzene	ND	2.6	0.11	µg/Kg-dry	1		01/17/06 17:42
1,2-Dibromo-3-chloropropane	ND	5.2	0.42	µg/Kg-dry	1		01/17/06 17:42
1,2-Dibromoethane	ND	2.6	0.09	µg/Kg-dry	1		01/17/06 17:42
1,2-Dichlorobenzene	ND	2.6	0.09	µg/Kg-dry	1		01/17/06 17:42
1,2-Dichloroethane	ND	2.6	0.10	µg/Kg-dry	1		01/17/06 17:42
1,2-Dichloropropane	ND	2.6	0.08	µg/Kg-dry	1		01/17/06 17:42
1,3,5-Trimethylbenzene	ND	2.6	0.09	µg/Kg-dry	1		01/17/06 17:42
1,3-Dichlorobenzene	ND	2.6	0.10	µg/Kg-dry	1		01/17/06 17:42
1,3-Dichloropropane	ND	2.6	0.08	µg/Kg-dry	1		01/17/06 17:42
1,4-Dichlorobenzene	ND	2.6	0.14	µg/Kg-dry	1		01/17/06 17:42
2,2-Dichloropropane	ND	2.6	0.09	µg/Kg-dry	1		01/17/06 17:42
2-Butanone	ND	10	0.15	µg/Kg-dry	1		01/17/06 17:42
2-Chlorotoluene	ND	2.6	0.07	µg/Kg-dry	1		01/17/06 17:42
2-Hexanone	ND	5.2	0.23	µg/Kg-dry	1		01/17/06 17:42
4-Chlorotoluene	ND	2.6	0.17	µg/Kg-dry	1		01/17/06 17:42
4-Methyl-2-pentanone	ND	5.2	0.25	µg/Kg-dry	1		01/17/06 17:42
Acetone	1.6 J	10	0.41	µg/Kg-dry	1		01/17/06 17:42
Benzene	ND	2.6	0.09	µg/Kg-dry	1		01/17/06 17:42
Bromobenzene	ND	2.6	0.16	µg/Kg-dry	1		01/17/06 17:42
Bromochloromethane	ND	2.6	0.17	µg/Kg-dry	1		01/17/06 17:42
Bromodichloromethane	ND	2.6	0.08	µg/Kg-dry	1		01/17/06 17:42
Bromofom	ND	2.6	0.06	µg/Kg-dry	1		01/17/06 17:42
Bromomethane	ND	5.2	0.31	µg/Kg-dry	1		01/17/06 17:42

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 10:08:39 A

Sample Size: 4.98 g

%Moisture: 3.9

TestCode: 8260S TAGML

Lab ID: 0601050-004A

Client Sample ID: BH-36-S

Collection Date: 01/10/06 14:20

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8242.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		2.6	0.06	µg/Kg-dry	1	01/17/06 17:42
Carbon tetrachloride	ND		2.6	0.11	µg/Kg-dry	1	01/17/06 17:42
Chlorobenzene	ND		2.6	0.09	µg/Kg-dry	1	01/17/06 17:42
Chloroethane	ND		5.2	0.30	µg/Kg-dry	1	01/17/06 17:42
Chloroform	ND		2.6	0.04	µg/Kg-dry	1	01/17/06 17:42
Chloromethane	ND		5.2	0.40	µg/Kg-dry	1	01/17/06 17:42
cis-1,2-Dichloroethene	ND		2.6	0.11	µg/Kg-dry	1	01/17/06 17:42
cis-1,3-Dichloropropene	ND		2.6	0.09	µg/Kg-dry	1	01/17/06 17:42
Dibromochloromethane	ND		2.6	0.14	µg/Kg-dry	1	01/17/06 17:42
Dibromomethane	ND		2.6	0.11	µg/Kg-dry	1	01/17/06 17:42
Dichlorodifluoromethane	ND		5.2	0.08	µg/Kg-dry	1	01/17/06 17:42
Ethylbenzene	ND		2.6	0.10	µg/Kg-dry	1	01/17/06 17:42
Hexachlorobutadiene	ND		5.2	0.41	µg/Kg-dry	1	01/17/06 17:42
Isopropylbenzene	ND		2.6	0.08	µg/Kg-dry	1	01/17/06 17:42
Methyl tert-butyl ether	ND		2.6	0.07	µg/Kg-dry	1	01/17/06 17:42
Methylene chloride	1.1 J		5.2	0.42	µg/Kg-dry	1	01/17/06 17:42
n-Butylbenzene	ND		2.6	0.12	µg/Kg-dry	1	01/17/06 17:42
n-Propylbenzene	ND		2.6	0.09	µg/Kg-dry	1	01/17/06 17:42
Naphthalene	ND		5.2	0.39	µg/Kg-dry	1	01/17/06 17:42
p-Isopropyltoluene	ND		2.6	0.09	µg/Kg-dry	1	01/17/06 17:42
sec-Butylbenzene	ND		2.6	0.14	µg/Kg-dry	1	01/17/06 17:42
Styrene	ND		2.6	0.10	µg/Kg-dry	1	01/17/06 17:42
tert-Butylbenzene	ND		2.6	0.14	µg/Kg-dry	1	01/17/06 17:42
Tetrachloroethene	ND		2.6	0.15	µg/Kg-dry	1	01/17/06 17:42
Toluene	ND		2.6	0.12	µg/Kg-dry	1	01/17/06 17:42
trans-1,2-Dichloroethene	ND		2.6	0.10	µg/Kg-dry	1	01/17/06 17:42
trans-1,3-Dichloropropene	ND		2.6	0.09	µg/Kg-dry	1	01/17/06 17:42
Trichloroethene	ND		2.6	0.11	µg/Kg-dry	1	01/17/06 17:42
Trichlorofluoromethane	ND		5.2	0.08	µg/Kg-dry	1	01/17/06 17:42
Vinyl chloride	ND		5.2	0.08	µg/Kg-dry	1	01/17/06 17:42
Xylenes (total)	ND		5.2	0.19	µg/Kg-dry	1	01/17/06 17:42
Surr: 1,2-Dichloroethane-d4	89.9		71-128	0.14	%REC	1	01/17/06 17:42
Surr: 4-Bromofluorobenzene	56.7 S		59-125	0.09	%REC	1	01/17/06 17:42
Surr: Dibromofluoromethane	104		40-156	0.19	%REC	1	01/17/06 17:42
Surr: Toluene-d8	83.5		75-125	0.12	%REC	1	01/17/06 17:42

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.99 g

ColumnID: Rtx-VMS

%Moisture: 3.9

Revision: 01/20/06 9:58:03 A

TestCode: 8260S TAGML

Lab ID: 0601050-004A

Client Sample ID: BH-36-S

Collection Date: 01/10/06 14:20

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4263

FileID: 1-RA-J8279.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.6	0.11	µg/Kg-dry	1		01/19/06 16:26
1,1,1-Trichloroethane	ND	2.6	0.10	µg/Kg-dry	1		01/19/06 16:26
1,1,2,2-Tetrachloroethane	ND	2.6	0.17	µg/Kg-dry	1		01/19/06 16:26
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.6	0.10	µg/Kg-dry	1		01/19/06 16:26
1,1,2-Trichloroethane	ND	2.6	0.11	µg/Kg-dry	1		01/19/06 16:26
1,1-Dichloroethane	ND	2.6	0.10	µg/Kg-dry	1		01/19/06 16:26
1,1-Dichloroethene	ND	2.6	0.15	µg/Kg-dry	1		01/19/06 16:26
1,1-Dichloropropene	ND	2.6	0.10	µg/Kg-dry	1		01/19/06 16:26
1,2,3-Trichlorobenzene	ND	5.2	0.52	µg/Kg-dry	1		01/19/06 16:26
1,2,3-Trichloropropane	ND	2.6	0.18	µg/Kg-dry	1		01/19/06 16:26
1,2,4-Trichlorobenzene	ND	5.2	0.35	µg/Kg-dry	1		01/19/06 16:26
1,2,4-Trimethylbenzene	ND	2.6	0.11	µg/Kg-dry	1		01/19/06 16:26
1,2-Dibromo-3-chloropropane	ND	5.2	0.42	µg/Kg-dry	1		01/19/06 16:26
1,2-Dibromoethane	ND	2.6	0.09	µg/Kg-dry	1		01/19/06 16:26
1,2-Dichlorobenzene	ND	2.6	0.09	µg/Kg-dry	1		01/19/06 16:26
1,2-Dichloroethane	ND	2.6	0.10	µg/Kg-dry	1		01/19/06 16:26
1,2-Dichloropropane	ND	2.6	0.08	µg/Kg-dry	1		01/19/06 16:26
1,3,5-Trimethylbenzene	ND	2.6	0.09	µg/Kg-dry	1		01/19/06 16:26
1,3-Dichlorobenzene	ND	2.6	0.10	µg/Kg-dry	1		01/19/06 16:26
1,3-Dichloropropane	ND	2.6	0.08	µg/Kg-dry	1		01/19/06 16:26
1,4-Dichlorobenzene	ND	2.6	0.14	µg/Kg-dry	1		01/19/06 16:26
2,2-Dichloropropane	ND	2.6	0.09	µg/Kg-dry	1		01/19/06 16:26
2-Butanone	ND	10	0.15	µg/Kg-dry	1		01/19/06 16:26
2-Chlorotoluene	ND	2.6	0.07	µg/Kg-dry	1		01/19/06 16:26
2-Hexanone	ND	5.2	0.23	µg/Kg-dry	1		01/19/06 16:26
4-Chlorotoluene	ND	2.6	0.17	µg/Kg-dry	1		01/19/06 16:26
4-Methyl-2-pentanone	ND	5.2	0.25	µg/Kg-dry	1		01/19/06 16:26
Acetone	1.2 J	10	0.41	µg/Kg-dry	1		01/19/06 16:26
Benzene	ND	2.6	0.09	µg/Kg-dry	1		01/19/06 16:26
Bromobenzene	ND	2.6	0.16	µg/Kg-dry	1		01/19/06 16:26
Bromochloromethane	ND	2.6	0.17	µg/Kg-dry	1		01/19/06 16:26
Bromodichloromethane	ND	2.6	0.08	µg/Kg-dry	1		01/19/06 16:26
Bromoform	ND	2.6	0.06	µg/Kg-dry	1		01/19/06 16:26
Bromomethane	ND	5.2	0.31	µg/Kg-dry	1		01/19/06 16:26

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.99 g

ColumnID: Rtx-VMS

%Moisture: 3.9

Revision: 01/20/06 9:58:03 A

TestCode: 8260S TAGML

Lab ID: 0601050-004A

Client Sample ID: BH-36-S

Collection Date: 01/10/06 14:20

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4263

FileID: 1-RA-J8279.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		2.6	0.06	µg/Kg-dry	1	01/19/06 16:26
Carbon tetrachloride	ND		2.6	0.11	µg/Kg-dry	1	01/19/06 16:26
Chlorobenzene	ND		2.6	0.09	µg/Kg-dry	1	01/19/06 16:26
Chloroethane	ND		5.2	0.30	µg/Kg-dry	1	01/19/06 16:26
Chloroform	ND		2.6	0.04	µg/Kg-dry	1	01/19/06 16:26
Chloromethane	ND		5.2	0.40	µg/Kg-dry	1	01/19/06 16:26
cis-1,2-Dichloroethene	ND		2.6	0.11	µg/Kg-dry	1	01/19/06 16:26
cis-1,3-Dichloropropene	ND		2.6	0.09	µg/Kg-dry	1	01/19/06 16:26
Dibromochloromethane	ND		2.6	0.14	µg/Kg-dry	1	01/19/06 16:26
Dibromomethane	ND		2.6	0.11	µg/Kg-dry	1	01/19/06 16:26
Dichlorodifluoromethane	ND		5.2	0.08	µg/Kg-dry	1	01/19/06 16:26
Ethylbenzene	ND		2.6	0.10	µg/Kg-dry	1	01/19/06 16:26
Hexachlorobutadiene	ND		5.2	0.41	µg/Kg-dry	1	01/19/06 16:26
Isopropylbenzene	ND		2.6	0.08	µg/Kg-dry	1	01/19/06 16:26
Methyl tert-butyl ether	ND		2.6	0.07	µg/Kg-dry	1	01/19/06 16:26
Methylene chloride	0.90	J	5.2	0.42	µg/Kg-dry	1	01/19/06 16:26
n-Butylbenzene	ND		2.6	0.12	µg/Kg-dry	1	01/19/06 16:26
n-Propylbenzene	ND		2.6	0.09	µg/Kg-dry	1	01/19/06 16:26
Naphthalene	ND		5.2	0.39	µg/Kg-dry	1	01/19/06 16:26
p-Isopropyltoluene	ND		2.6	0.09	µg/Kg-dry	1	01/19/06 16:26
sec-Butylbenzene	ND		2.6	0.14	µg/Kg-dry	1	01/19/06 16:26
Styrene	ND		2.6	0.10	µg/Kg-dry	1	01/19/06 16:26
tert-Butylbenzene	ND		2.6	0.14	µg/Kg-dry	1	01/19/06 16:26
Tetrachloroethene	ND		2.6	0.15	µg/Kg-dry	1	01/19/06 16:26
Toluene	ND		2.6	0.12	µg/Kg-dry	1	01/19/06 16:26
trans-1,2-Dichloroethene	ND		2.6	0.10	µg/Kg-dry	1	01/19/06 16:26
trans-1,3-Dichloropropene	ND		2.6	0.09	µg/Kg-dry	1	01/19/06 16:26
Trichloroethene	ND		2.6	0.11	µg/Kg-dry	1	01/19/06 16:26
Trichlorofluoromethane	ND		5.2	0.08	µg/Kg-dry	1	01/19/06 16:26
Vinyl chloride	ND		5.2	0.08	µg/Kg-dry	1	01/19/06 16:26
Xylenes (total)	ND		5.2	0.19	µg/Kg-dry	1	01/19/06 16:26
Surr: 1,2-Dichloroethane-d4	87.5		71-128	0.14	%REC	1	01/19/06 16:26
Surr: 4-Bromofluorobenzene	60.6		59-125	0.09	%REC	1	01/19/06 16:26
Surr: Dibromofluoromethane	100		40-156	0.19	%REC	1	01/19/06 16:26
Surr: Toluene-d8	86.0		75-125	0.12	%REC	1	01/19/06 16:26

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 10:08:39 A

Sample Size: 4.98 g

%Moisture: 12.9

TestCode: 8260S TAGML

Lab ID: 0601050-005A

Client Sample ID: BH-36-D

Collection Date: 01/10/06 14:30

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8243.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/17/06 18:17
1,1,1-Trichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 18:17
1,1,2,2-Tetrachloroethane	ND	2.9	0.18	µg/Kg-dry	1		01/17/06 18:17
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 18:17
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/17/06 18:17
1,1-Dichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 18:17
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/17/06 18:17
1,1-Dichloropropene	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 18:17
1,2,3-Trichlorobenzene	ND	5.7	0.57	µg/Kg-dry	1		01/17/06 18:17
1,2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry	1		01/17/06 18:17
1,2,4-Trichlorobenzene	ND	5.7	0.39	µg/Kg-dry	1		01/17/06 18:17
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/17/06 18:17
1,2-Dibromo-3-chloropropane	ND	5.7	0.46	µg/Kg-dry	1		01/17/06 18:17
1,2-Dibromoethane	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 18:17
1,2-Dichlorobenzene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 18:17
1,2-Dichloroethane	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 18:17
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/17/06 18:17
1,3,5-Trimethylbenzene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 18:17
1,3-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry	1		01/17/06 18:17
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/17/06 18:17
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/17/06 18:17
2,2-Dichloropropane	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 18:17
2-Butanone	ND	11	0.16	µg/Kg-dry	1		01/17/06 18:17
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/17/06 18:17
2-Hexanone	ND	5.7	0.25	µg/Kg-dry	1		01/17/06 18:17
4-Chlorotoluene	ND	2.9	0.18	µg/Kg-dry	1		01/17/06 18:17
4-Methyl-2-pentanone	ND	5.7	0.28	µg/Kg-dry	1		01/17/06 18:17
Acetone	2.4 J	11	0.45	µg/Kg-dry	1		01/17/06 18:17
Benzene	ND	2.9	0.10	µg/Kg-dry	1		01/17/06 18:17
Bromobenzene	ND	2.9	0.17	µg/Kg-dry	1		01/17/06 18:17
Bromochloromethane	ND	2.9	0.18	µg/Kg-dry	1		01/17/06 18:17
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/17/06 18:17
Bromoform	ND	2.9	0.07	µg/Kg-dry	1		01/17/06 18:17
Bromomethane	ND	5.7	0.34	µg/Kg-dry	1		01/17/06 18:17

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.98 g

ColumnID: Rtx-VMS

%Moisture: 12.9

Revision: 01/20/06 10:08:39 A

TestCode: 8260S TAGML

Lab ID: 0601050-005A

Client Sample ID: BH-36-D

Collection Date: 01/10/06 14:30

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8243.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		2.9	0.07	µg/Kg-dry	1	01/17/06 18:17
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/17/06 18:17
Chlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/17/06 18:17
Chloroethane	ND		5.7	0.33	µg/Kg-dry	1	01/17/06 18:17
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/17/06 18:17
Chloromethane	ND		5.7	0.44	µg/Kg-dry	1	01/17/06 18:17
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/17/06 18:17
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/17/06 18:17
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/17/06 18:17
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/17/06 18:17
Dichlorodifluoromethane	ND		5.7	0.09	µg/Kg-dry	1	01/17/06 18:17
Ethylbenzene	ND		2.9	0.11	µg/Kg-dry	1	01/17/06 18:17
Hexachlorobutadiene	ND		5.7	0.45	µg/Kg-dry	1	01/17/06 18:17
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/17/06 18:17
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/17/06 18:17
Methylene chloride	0.91 J		5.7	0.46	µg/Kg-dry	1	01/17/06 18:17
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/17/06 18:17
n-Propylbenzene	ND		2.9	0.10	µg/Kg-dry	1	01/17/06 18:17
Naphthalene	ND		5.7	0.42	µg/Kg-dry	1	01/17/06 18:17
p-Isopropyltoluene	ND		2.9	0.10	µg/Kg-dry	1	01/17/06 18:17
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/17/06 18:17
Styrene	ND		2.9	0.11	µg/Kg-dry	1	01/17/06 18:17
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/17/06 18:17
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/17/06 18:17
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/17/06 18:17
trans-1,2-Dichloroethene	ND		2.9	0.11	µg/Kg-dry	1	01/17/06 18:17
trans-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/17/06 18:17
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/17/06 18:17
Trichlorofluoromethane	ND		5.7	0.09	µg/Kg-dry	1	01/17/06 18:17
Vinyl chloride	ND		5.7	0.09	µg/Kg-dry	1	01/17/06 18:17
Xylenes (total)	ND		5.7	0.21	µg/Kg-dry	1	01/17/06 18:17
Surr: 1,2-Dichloroethane-d4	88.2		71-128	0.15	%REC	1	01/17/06 18:17
Surr: 4-Bromofluorobenzene	64.1		59-125	0.10	%REC	1	01/17/06 18:17
Surr: Dibromofluoromethane	100		40-156	0.21	%REC	1	01/17/06 18:17
Surr: Toluene-d8	90.7		75-125	0.14	%REC	1	01/17/06 18:17

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: MS03 10

Sample Size: 5 mL

ColumnID: Rtx-VMS

%Moisture:

Revision: 01/20/06 10:08:39 A

TestCode: 8260S TAGML

Lab ID: 0601050-006A

Client Sample ID: 1/10 EQUIP BLANK

Collection Date: 01/10/06 16:00

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8244.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.5	0.11	µg/Kg	1	01/17/06 18:52	
1,1,1-Trichloroethane	ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
1,1,2,2-Tetrachloroethane	ND	2.5	0.16	µg/Kg	1	01/17/06 18:52	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
1,1,2-Trichloroethane	ND	2.5	0.11	µg/Kg	1	01/17/06 18:52	
1,1-Dichloroethane	ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
1,1-Dichloroethene	ND	2.5	0.14	µg/Kg	1	01/17/06 18:52	
1,1-Dichloropropene	ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
1,2,3-Trichlorobenzene	ND	5.0	0.50	µg/Kg	1	01/17/06 18:52	
1,2,3-Trichloropropane	ND	2.5	0.17	µg/Kg	1	01/17/06 18:52	
1,2,4-Trichlorobenzene	ND	5.0	0.34	µg/Kg	1	01/17/06 18:52	
1,2,4-Trimethylbenzene	ND	2.5	0.11	µg/Kg	1	01/17/06 18:52	
1,2-Dibromo-3-chloropropane	ND	5.0	0.40	µg/Kg	1	01/17/06 18:52	
1,2-Dibromoethane	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
1,2-Dichlorobenzene	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
1,2-Dichloroethane	ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
1,2-Dichloropropane	ND	2.5	0.06	µg/Kg	1	01/17/06 18:52	
1,3,5-Trimethylbenzene	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
1,3-Dichlorobenzene	ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
1,3-Dichloropropane	ND	2.5	0.08	µg/Kg	1	01/17/06 18:52	
1,4-Dichlorobenzene	ND	2.5	0.13	µg/Kg	1	01/17/06 18:52	
2,2-Dichloropropane	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
2-Butanone	ND	10	0.14	µg/Kg	1	01/17/06 18:52	
2-Chlorotoluene	ND	2.5	0.07	µg/Kg	1	01/17/06 18:52	
2-Hexanone	ND	5.0	0.22	µg/Kg	1	01/17/06 18:52	
4-Chlorotoluene	ND	2.5	0.16	µg/Kg	1	01/17/06 18:52	
4-Methyl-2-pentanone	ND	5.0	0.24	µg/Kg	1	01/17/06 18:52	
Acetone	1.8 J	10	0.39	µg/Kg	1	01/17/06 18:52	
Benzene	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
Bromobenzene	ND	2.5	0.15	µg/Kg	1	01/17/06 18:52	
Bromochloromethane	ND	2.5	0.16	µg/Kg	1	01/17/06 18:52	
Bromodichloromethane	ND	2.5	0.08	µg/Kg	1	01/17/06 18:52	
Bromoform	ND	2.5	0.06	µg/Kg	1	01/17/06 18:52	
Bromomethane	ND	5.0	0.30	µg/Kg	1	01/17/06 18:52	

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: MS03 10

Sample Size: 5 mL

ColumnID: Rtx-VMS

%Moisture:

Revision: 01/20/06 10:08:39 A

TestCode: 8260S TAGML

Lab ID: 0601050-006A

Client Sample ID: 1/10 EQUIP BLANK

Collection Date: 01/10/06 16:00

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8244.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	2.5	0.06	µg/Kg	1	01/17/06 18:52	
Carbon tetrachloride	ND	2.5	0.11	µg/Kg	1	01/17/06 18:52	
Chlorobenzene	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
Chloroethane	ND	5.0	0.29	µg/Kg	1	01/17/06 18:52	
Chloroform	ND	2.5	0.04	µg/Kg	1	01/17/06 18:52	
Chloromethane	ND	5.0	0.38	µg/Kg	1	01/17/06 18:52	
cis-1,2-Dichloroethene	ND	2.5	0.11	µg/Kg	1	01/17/06 18:52	
cis-1,3-Dichloropropene	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
Dibromochloromethane	ND	2.5	0.13	µg/Kg	1	01/17/06 18:52	
Dibromomethane	ND	2.5	0.11	µg/Kg	1	01/17/06 18:52	
Dichlorodifluoromethane	ND	5.0	0.08	µg/Kg	1	01/17/06 18:52	
Ethylbenzene	ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
Hexachlorobutadiene	ND	5.0	0.39	µg/Kg	1	01/17/06 18:52	
Isopropylbenzene	ND	2.5	0.08	µg/Kg	1	01/17/06 18:52	
Methyl tert-butyl ether	ND	2.5	0.07	µg/Kg	1	01/17/06 18:52	
Methylene chloride	0.61 J	5.0	0.40	µg/Kg	1	01/17/06 18:52	
n-Butylbenzene	ND	2.5	0.12	µg/Kg	1	01/17/06 18:52	
n-Propylbenzene	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
Naphthalene	ND	5.0	0.37	µg/Kg	1	01/17/06 18:52	
p-Isopropyltoluene	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
sec-Butylbenzene	ND	2.5	0.13	µg/Kg	1	01/17/06 18:52	
Styrene	ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
tert-Butylbenzene	ND	2.5	0.13	µg/Kg	1	01/17/06 18:52	
Tetrachloroethene	ND	2.5	0.14	µg/Kg	1	01/17/06 18:52	
Toluene	ND	2.5	0.12	µg/Kg	1	01/17/06 18:52	
trans-1,2-Dichloroethene	ND	2.5	0.10	µg/Kg	1	01/17/06 18:52	
trans-1,3-Dichloropropene	ND	2.5	0.09	µg/Kg	1	01/17/06 18:52	
Trichloroethene	ND	2.5	0.11	µg/Kg	1	01/17/06 18:52	
Trichlorofluoromethane	ND	5.0	0.08	µg/Kg	1	01/17/06 18:52	
Vinyl chloride	ND	5.0	0.08	µg/Kg	1	01/17/06 18:52	
Xylenes (total)	ND	5.0	0.18	µg/Kg	1	01/17/06 18:52	
Surr: 1,2-Dichloroethane-d4	87.9	71-128	0.13	%REC	1	01/17/06 18:52	
Surr: 4-Bromofluorobenzene	85.7	59-125	0.09	%REC	1	01/17/06 18:52	
Surr: Dibromofluoromethane	99.9	40-156	0.18	%REC	1	01/17/06 18:52	
Surr: Toluene-d8	94.0	75-125	0.12	%REC	1	01/17/06 18:52	

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 10:08:39 A

Sample Size: 5 mL

%Moisture:

TestCode: 8260S TAGML

Lab ID: 0601050-007A

Client Sample ID: 1/11 EQUIP BLANK

Collection Date: 01/11/06 16:00

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8245.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.5	0.11	µg/Kg	1		01/17/06 19:27
1,1,1-Trichloroethane	ND	2.5	0.10	µg/Kg	1		01/17/06 19:27
1,1,2,2-Tetrachloroethane	ND	2.5	0.16	µg/Kg	1		01/17/06 19:27
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.5	0.10	µg/Kg	1		01/17/06 19:27
1,1,2-Trichloroethane	ND	2.5	0.11	µg/Kg	1		01/17/06 19:27
1,1-Dichloroethane	ND	2.5	0.10	µg/Kg	1		01/17/06 19:27
1,1-Dichloroethene	ND	2.5	0.14	µg/Kg	1		01/17/06 19:27
1,1-Dichloropropene	ND	2.5	0.10	µg/Kg	1		01/17/06 19:27
1,2,3-Trichlorobenzene	ND	5.0	0.50	µg/Kg	1		01/17/06 19:27
1,2,3-Trichloropropane	ND	2.5	0.17	µg/Kg	1		01/17/06 19:27
1,2,4-Trichlorobenzene	ND	5.0	0.34	µg/Kg	1		01/17/06 19:27
1,2,4-Trimethylbenzene	ND	2.5	0.11	µg/Kg	1		01/17/06 19:27
1,2-Dibromo-3-chloropropane	ND	5.0	0.40	µg/Kg	1		01/17/06 19:27
1,2-Dibromoethane	ND	2.5	0.09	µg/Kg	1		01/17/06 19:27
1,2-Dichlorobenzene	ND	2.5	0.09	µg/Kg	1		01/17/06 19:27
1,2-Dichloroethane	ND	2.5	0.10	µg/Kg	1		01/17/06 19:27
1,2-Dichloropropane	ND	2.5	0.08	µg/Kg	1		01/17/06 19:27
1,3,5-Trimethylbenzene	ND	2.5	0.09	µg/Kg	1		01/17/06 19:27
1,3-Dichlorobenzene	ND	2.5	0.10	µg/Kg	1		01/17/06 19:27
1,3-Dichloropropane	ND	2.5	0.08	µg/Kg	1		01/17/06 19:27
1,4-Dichlorobenzene	ND	2.5	0.13	µg/Kg	1		01/17/06 19:27
2,2-Dichloropropane	ND	2.5	0.09	µg/Kg	1		01/17/06 19:27
2-Butanone	ND	10	0.14	µg/Kg	1		01/17/06 19:27
2-Chlorotoluene	ND	2.5	0.07	µg/Kg	1		01/17/06 19:27
2-Hexanone	ND	5.0	0.22	µg/Kg	1		01/17/06 19:27
4-Chlorotoluene	ND	2.5	0.16	µg/Kg	1		01/17/06 19:27
4-Methyl-2-pentanone	ND	5.0	0.24	µg/Kg	1		01/17/06 19:27
Acetone	1.8 J	10	0.39	µg/Kg	1		01/17/06 19:27
Benzene	ND	2.5	0.09	µg/Kg	1		01/17/06 19:27
Bromobenzene	ND	2.5	0.15	µg/Kg	1		01/17/06 19:27
Bromochloromethane	ND	2.5	0.16	µg/Kg	1		01/17/06 19:27
Bromodichloromethane	ND	2.5	0.08	µg/Kg	1		01/17/06 19:27
Bromoform	ND	2.5	0.06	µg/Kg	1		01/17/06 19:27
Bromomethane	ND	5.0	0.30	µg/Kg	1		01/17/06 19:27

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: MS03 10

Sample Size: 5 mL

ColumnID: Rtx-VMS

%Moisture:

Revision: 01/20/06 10:08:39 A

TestCode: 8260S TAGML

Lab ID: 0601050-007A

Client Sample ID: 1/11 EQUIP BLANK

Collection Date: 01/11/06 16:00

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4228

FileID: 1-SAMP-J8245.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	2.5	0.06	µg/Kg	1	01/17/06 19:27	
Carbon tetrachloride	ND	2.5	0.11	µg/Kg	1	01/17/06 19:27	
Chlorobenzene	ND	2.5	0.09	µg/Kg	1	01/17/06 19:27	
Chloroethane	ND	5.0	0.29	µg/Kg	1	01/17/06 19:27	
Chloroform	ND	2.5	0.04	µg/Kg	1	01/17/06 19:27	
Chloromethane	ND	5.0	0.38	µg/Kg	1	01/17/06 19:27	
cis-1,2-Dichloroethene	ND	2.5	0.11	µg/Kg	1	01/17/06 19:27	
cis-1,3-Dichloropropene	ND	2.5	0.09	µg/Kg	1	01/17/06 19:27	
Dibromochloromethane	ND	2.5	0.13	µg/Kg	1	01/17/06 19:27	
Dibromomethane	ND	2.5	0.11	µg/Kg	1	01/17/06 19:27	
Dichlorodifluoromethane	ND	5.0	0.08	µg/Kg	1	01/17/06 19:27	
Ethylbenzene	ND	2.5	0.10	µg/Kg	1	01/17/06 19:27	
Hexachlorobutadiene	ND	5.0	0.39	µg/Kg	1	01/17/06 19:27	
Isopropylbenzene	ND	2.5	0.08	µg/Kg	1	01/17/06 19:27	
Methyl tert-butyl ether	ND	2.5	0.07	µg/Kg	1	01/17/06 19:27	
Methylene chloride	0.62 J	5.0	0.40	µg/Kg	1	01/17/06 19:27	
n-Butylbenzene	ND	2.5	0.12	µg/Kg	1	01/17/06 19:27	
n-Propylbenzene	ND	2.5	0.09	µg/Kg	1	01/17/06 19:27	
Naphthalene	ND	5.0	0.37	µg/Kg	1	01/17/06 19:27	
p-Isopropyltoluene	ND	2.5	0.09	µg/Kg	1	01/17/06 19:27	
sec-Butylbenzene	ND	2.5	0.13	µg/Kg	1	01/17/06 19:27	
Styrene	ND	2.5	0.10	µg/Kg	1	01/17/06 19:27	
tert-Butylbenzene	ND	2.5	0.13	µg/Kg	1	01/17/06 19:27	
Tetrachloroethene	ND	2.5	0.14	µg/Kg	1	01/17/06 19:27	
Toluene	ND	2.5	0.12	µg/Kg	1	01/17/06 19:27	
trans-1,2-Dichloroethene	ND	2.5	0.10	µg/Kg	1	01/17/06 19:27	
trans-1,3-Dichloropropene	ND	2.5	0.09	µg/Kg	1	01/17/06 19:27	
Trichloroethene	ND	2.5	0.11	µg/Kg	1	01/17/06 19:27	
Trichlorofluoromethane	ND	5.0	0.08	µg/Kg	1	01/17/06 19:27	
Vinyl chloride	ND	5.0	0.08	µg/Kg	1	01/17/06 19:27	
Xylenes (total)	ND	5.0	0.18	µg/Kg	1	01/17/06 19:27	
Sum: 1,2-Dichloroethane-d4	86.7	71-128	0.13	%REC	1	01/17/06 19:27	
Sum: 4-Bromofluorobenzene	81.3	59-125	0.09	%REC	1	01/17/06 19:27	
Sum: Dibromofluoromethane	99.1	40-156	0.18	%REC	1	01/17/06 19:27	
Sum: Toluene-d8	93.3	75-125	0.12	%REC	1	01/17/06 19:27	

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: MS03 10

Sample Size: 5 mL

ColumnID: Rtx-VMS

%Moisture:

Revision: 01/19/06 2:30:18 P

TestCode: 8260S TAGML

Lab ID: 0601050-008A

Client Sample ID: TRIP BLANK

Collection Date: 01/10/06 0:00

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8252.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.5	0.11	µg/Kg	1	01/18/06 11:18	
1,1,1-Trichloroethane	ND	2.5	0.10	µg/Kg	1	01/18/06 11:18	
1,1,2,2-Tetrachloroethane	ND	2.5	0.16	µg/Kg	1	01/18/06 11:18	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.5	0.10	µg/Kg	1	01/18/06 11:18	
1,1,2-Trichloroethane	ND	2.5	0.11	µg/Kg	1	01/18/06 11:18	
1,1-Dichloroethane	ND	2.5	0.10	µg/Kg	1	01/18/06 11:18	
1,1-Dichloroethene	ND	2.5	0.14	µg/Kg	1	01/18/06 11:18	
1,1-Dichloropropene	ND	2.5	0.10	µg/Kg	1	01/18/06 11:18	
1,2,3-Trichlorobenzene	ND	5.0	0.50	µg/Kg	1	01/18/06 11:18	
1,2,3-Trichloropropane	ND	2.5	0.17	µg/Kg	1	01/18/06 11:18	
1,2,4-Trichlorobenzene	ND	5.0	0.34	µg/Kg	1	01/18/06 11:18	
1,2,4-Trimethylbenzene	ND	2.5	0.11	µg/Kg	1	01/18/06 11:18	
1,2-Dibromo-3-chloropropane	ND	5.0	0.40	µg/Kg	1	01/18/06 11:18	
1,2-Dibromoethane	ND	2.5	0.09	µg/Kg	1	01/18/06 11:18	
1,2-Dichlorobenzene	ND	2.5	0.09	µg/Kg	1	01/18/06 11:18	
1,2-Dichloroethane	ND	2.5	0.10	µg/Kg	1	01/18/06 11:18	
1,2-Dichloropropane	ND	2.5	0.08	µg/Kg	1	01/18/06 11:18	
1,3,5-Trimethylbenzene	ND	2.5	0.09	µg/Kg	1	01/18/06 11:18	
1,3-Dichlorobenzene	ND	2.5	0.10	µg/Kg	1	01/18/06 11:18	
1,3-Dichloropropane	ND	2.5	0.08	µg/Kg	1	01/18/06 11:18	
1,4-Dichlorobenzene	ND	2.5	0.13	µg/Kg	1	01/18/06 11:18	
2,2-Dichloropropane	ND	2.5	0.09	µg/Kg	1	01/18/06 11:18	
2-Butanone	ND	10	0.14	µg/Kg	1	01/18/06 11:18	
2-Chlorotoluene	ND	2.5	0.07	µg/Kg	1	01/18/06 11:18	
2-Hexanone	ND	5.0	0.22	µg/Kg	1	01/18/06 11:18	
4-Chlorotoluene	ND	2.5	0.16	µg/Kg	1	01/18/06 11:18	
4-Methyl-2-pentanone	ND	5.0	0.24	µg/Kg	1	01/18/06 11:18	
Acetone	1.9 J	10	0.39	µg/Kg	1	01/18/06 11:18	
Benzene	ND	2.5	0.09	µg/Kg	1	01/18/06 11:18	
Bromobenzene	ND	2.5	0.15	µg/Kg	1	01/18/06 11:18	
Bromochloromethane	ND	2.5	0.16	µg/Kg	1	01/18/06 11:18	
Bromodichloromethane	ND	2.5	0.08	µg/Kg	1	01/18/06 11:18	
Bromoform	ND	2.5	0.06	µg/Kg	1	01/18/06 11:18	
Bromomethane	ND	5.0	0.30	µg/Kg	1	01/18/06 11:18	

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 5 mL

%Moisture:

TestCode: 8260S TAGML

Lab ID: 0601050-008A

Client Sample ID: TRIP BLANK

Collection Date: 01/10/06 0:00

Date Received: 01/12/06 0:00

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8252.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	2.5	0.06	µg/Kg	1		01/18/06 11:18
Carbon tetrachloride	ND	2.5	0.11	µg/Kg	1		01/18/06 11:18
Chlorobenzene	ND	2.5	0.09	µg/Kg	1		01/18/06 11:18
Chloroethane	ND	5.0	0.29	µg/Kg	1		01/18/06 11:18
Chloroform	ND	2.5	0.04	µg/Kg	1		01/18/06 11:18
Chloromethane	ND	5.0	0.38	µg/Kg	1		01/18/06 11:18
cis-1,2-Dichloroethene	ND	2.5	0.11	µg/Kg	1		01/18/06 11:18
cis-1,3-Dichloropropene	ND	2.5	0.09	µg/Kg	1		01/18/06 11:18
Dibromochloromethane	ND	2.5	0.13	µg/Kg	1		01/18/06 11:18
Dibromomethane	ND	2.5	0.11	µg/Kg	1		01/18/06 11:18
Dichlorodifluoromethane	ND	5.0	0.08	µg/Kg	1		01/18/06 11:18
Ethylbenzene	ND	2.5	0.10	µg/Kg	1		01/18/06 11:18
Hexachlorobutadiene	ND	5.0	0.39	µg/Kg	1		01/18/06 11:18
Isopropylbenzene	ND	2.5	0.08	µg/Kg	1		01/18/06 11:18
Methyl tert-butyl ether	ND	2.5	0.07	µg/Kg	1		01/18/06 11:18
Methylene chloride	ND	5.0	0.40	µg/Kg	1		01/18/06 11:18
n-Butylbenzene	ND	2.5	0.12	µg/Kg	1		01/18/06 11:18
n-Propylbenzene	ND	2.5	0.09	µg/Kg	1		01/18/06 11:18
Naphthalene	ND	5.0	0.37	µg/Kg	1		01/18/06 11:18
p-Isopropyltoluene	ND	2.5	0.09	µg/Kg	1		01/18/06 11:18
sec-Butylbenzene	ND	2.5	0.13	µg/Kg	1		01/18/06 11:18
Styrene	ND	2.5	0.10	µg/Kg	1		01/18/06 11:18
tert-Butylbenzene	ND	2.5	0.13	µg/Kg	1		01/18/06 11:18
Tetrachloroethene	ND	2.5	0.14	µg/Kg	1		01/18/06 11:18
Toluene	ND	2.5	0.12	µg/Kg	1		01/18/06 11:18
trans-1,2-Dichloroethene	ND	2.5	0.10	µg/Kg	1		01/18/06 11:18
trans-1,3-Dichloropropene	ND	2.5	0.09	µg/Kg	1		01/18/06 11:18
Trichloroethene	ND	2.5	0.11	µg/Kg	1		01/18/06 11:18
Trichlorofluoromethane	ND	5.0	0.08	µg/Kg	1		01/18/06 11:18
Vinyl chloride	ND	5.0	0.08	µg/Kg	1		01/18/06 11:18
Xylenes (total)	ND	5.0	0.18	µg/Kg	1		01/18/06 11:18
Surr: 1,2-Dichloroethane-d4	84.1	71-128	0.13	%REC	1		01/18/06 11:18
Surr: 4-Bromofluorobenzene	81.0	59-125	0.09	%REC	1		01/18/06 11:18
Surr: Dibromofluoromethane	97.2	40-156	0.18	%REC	1		01/18/06 11:18
Surr: Toluene-d8	91.9	75-125	0.12	%REC	1		01/18/06 11:18

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/20/06 10:16

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.98 g

ColumnID: Rtx-VMS

%Moisture: 20.8

Revision: 01/19/06 2:30:18 P

TestCode: 8260S TAGML

Lab ID: 0601060-001A

Client Sample ID: BH-30-S

Collection Date: 01/11/06 16:35

Date Received: 01/12/06 15:35

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8255.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.2	0.14	µg/Kg-dry	1	01/18/06 13:03	
1,1,1-Trichloroethane	ND	3.2	0.13	µg/Kg-dry	1	01/18/06 13:03	
1,1,2,2-Tetrachloroethane	ND	3.2	0.20	µg/Kg-dry	1	01/18/06 13:03	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.2	0.13	µg/Kg-dry	1	01/18/06 13:03	
1,1,2-Trichloroethane	ND	3.2	0.14	µg/Kg-dry	1	01/18/06 13:03	
1,1-Dichloroethane	ND	3.2	0.13	µg/Kg-dry	1	01/18/06 13:03	
1,1-Dichloroethene	ND	3.2	0.18	µg/Kg-dry	1	01/18/06 13:03	
1,1-Dichloropropene	ND	3.2	0.13	µg/Kg-dry	1	01/18/06 13:03	
1,2,3-Trichlorobenzene	ND	6.3	0.63	µg/Kg-dry	1	01/18/06 13:03	
1,2,3-Trichloropropane	ND	3.2	0.21	µg/Kg-dry	1	01/18/06 13:03	
1,2,4-Trichlorobenzene	ND	6.3	0.43	µg/Kg-dry	1	01/18/06 13:03	
1,2,4-Trimethylbenzene	ND	3.2	0.14	µg/Kg-dry	1	01/18/06 13:03	
1,2-Dibromo-3-chloropropane	ND	6.3	0.51	µg/Kg-dry	1	01/18/06 13:03	
1,2-Dibromoethane	ND	3.2	0.11	µg/Kg-dry	1	01/18/06 13:03	
1,2-Dichlorobenzene	ND	3.2	0.11	µg/Kg-dry	1	01/18/06 13:03	
1,2-Dichloroethane	ND	3.2	0.13	µg/Kg-dry	1	01/18/06 13:03	
1,2-Dichloropropane	ND	3.2	0.10	µg/Kg-dry	1	01/18/06 13:03	
1,3,5-Trimethylbenzene	ND	3.2	0.11	µg/Kg-dry	1	01/18/06 13:03	
1,3-Dichlorobenzene	ND	3.2	0.13	µg/Kg-dry	1	01/18/06 13:03	
1,3-Dichloropropane	ND	3.2	0.10	µg/Kg-dry	1	01/18/06 13:03	
1,4-Dichlorobenzene	ND	3.2	0.16	µg/Kg-dry	1	01/18/06 13:03	
2,2-Dichloropropane	ND	3.2	0.11	µg/Kg-dry	1	01/18/06 13:03	
2-Butanone	ND	13	0.18	µg/Kg-dry	1	01/18/06 13:03	
2-Chlorotoluene	ND	3.2	0.09	µg/Kg-dry	1	01/18/06 13:03	
2-Hexanone	ND	6.3	0.28	µg/Kg-dry	1	01/18/06 13:03	
4-Chlorotoluene	ND	3.2	0.20	µg/Kg-dry	1	01/18/06 13:03	
4-Methyl-2-pentanone	ND	6.3	0.30	µg/Kg-dry	1	01/18/06 13:03	
Acetone	2.9 J	13	0.49	µg/Kg-dry	1	01/18/06 13:03	
Benzene	ND	3.2	0.11	µg/Kg-dry	1	01/18/06 13:03	
Bromobenzene	ND	3.2	0.19	µg/Kg-dry	1	01/18/06 13:03	
Bromochloromethane	ND	3.2	0.20	µg/Kg-dry	1	01/18/06 13:03	
Bromodichloromethane	ND	3.2	0.10	µg/Kg-dry	1	01/18/06 13:03	
Bromoform	ND	3.2	0.08	µg/Kg-dry	1	01/18/06 13:03	
Bromomethane	ND	6.3	0.38	µg/Kg-dry	1	01/18/06 13:03	

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:26

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.98 g

ColumnID: Rtx-VMS

%Moisture: 20.8

Revision: 01/19/06 2:30:18 P

TestCode: 8260S TAGML

Lab ID: 0601060-001A

Client Sample ID: BH-30-S

Collection Date: 01/11/06 16:35

Date Received: 01/12/06 15:35

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8255.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	1.9 J	3.2	0.08	µg/Kg-dry	1		01/18/06 13:03
Carbon tetrachloride	ND	3.2	0.14	µg/Kg-dry	1		01/18/06 13:03
Chlorobenzene	ND	3.2	0.11	µg/Kg-dry	1		01/18/06 13:03
Chloroethane	ND	6.3	0.37	µg/Kg-dry	1		01/18/06 13:03
Chloroform	ND	3.2	0.05	µg/Kg-dry	1		01/18/06 13:03
Chloromethane	ND	6.3	0.48	µg/Kg-dry	1		01/18/06 13:03
cis-1,2-Dichloroethene	ND	3.2	0.14	µg/Kg-dry	1		01/18/06 13:03
cis-1,3-Dichloropropene	ND	3.2	0.11	µg/Kg-dry	1		01/18/06 13:03
Dibromochloromethane	ND	3.2	0.16	µg/Kg-dry	1		01/18/06 13:03
Dibromomethane	ND	3.2	0.14	µg/Kg-dry	1		01/18/06 13:03
Dichlorodifluoromethane	ND	6.3	0.10	µg/Kg-dry	1		01/18/06 13:03
Ethylbenzene	ND	3.2	0.13	µg/Kg-dry	1		01/18/06 13:03
Hexachlorobutadiene	ND	6.3	0.49	µg/Kg-dry	1		01/18/06 13:03
Isopropylbenzene	ND	3.2	0.10	µg/Kg-dry	1		01/18/06 13:03
Methyl tert-butyl ether	ND	3.2	0.09	µg/Kg-dry	1		01/18/06 13:03
Methylene chloride	5.1 J	6.3	0.51	µg/Kg-dry	1		01/18/06 13:03
n-Butylbenzene	ND	3.2	0.15	µg/Kg-dry	1		01/18/06 13:03
n-Propylbenzene	ND	3.2	0.11	µg/Kg-dry	1		01/18/06 13:03
Naphthalene	0.60 J	6.3	0.47	µg/Kg-dry	1		01/18/06 13:03
p-Isopropyltoluene	ND	3.2	0.11	µg/Kg-dry	1		01/18/06 13:03
sec-Butylbenzene	ND	3.2	0.16	µg/Kg-dry	1		01/18/06 13:03
Styrene	2.1 J	3.2	0.13	µg/Kg-dry	1		01/18/06 13:03
tert-Butylbenzene	ND	3.2	0.16	µg/Kg-dry	1		01/18/06 13:03
Tetrachloroethene	ND	3.2	0.18	µg/Kg-dry	1		01/18/06 13:03
Toluene	1.9 J	3.2	0.15	µg/Kg-dry	1		01/18/06 13:03
trans-1,2-Dichloroethene	ND	3.2	0.13	µg/Kg-dry	1		01/18/06 13:03
trans-1,3-Dichloropropene	ND	3.2	0.11	µg/Kg-dry	1		01/18/06 13:03
Trichloroethene	ND	3.2	0.14	µg/Kg-dry	1		01/18/06 13:03
Trichlorofluoromethane	ND	6.3	0.10	µg/Kg-dry	1		01/18/06 13:03
Vinyl chloride	ND	6.3	0.10	µg/Kg-dry	1		01/18/06 13:03
Xylenes (total)	ND	6.3	0.23	µg/Kg-dry	1		01/18/06 13:03
Surr: 1,2-Dichloroethane-d4	91.3	71-128	0.16	%REC	1		01/18/06 13:03
Surr: 4-Bromofluorobenzene	56.9 S	59-125	0.11	%REC	1		01/18/06 13:03
Surr: Dibromofluoromethane	107	40-156	0.23	%REC	1		01/18/06 13:03
Surr: Toluene-d6	77.4	75-125	0.15	%REC	1		01/18/06 13:03

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:26

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:03 A

Sample Size: 5 g

%Moisture: 20.8

TestCode: 8260S TAGML

Lab ID: 0601060-001A

Client Sample ID: BH-30-S

Collection Date: 01/11/06 16:35

Date Received: 01/12/06 15:35

PrepDate:

BatchNo: R4263

FileID: I-RA-J8280.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.2	0.14	µg/Kg-dry	1		01/19/06 17:00
1,1,1-Trichloroethane	ND	3.2	0.13	µg/Kg-dry	1		01/19/06 17:00
1,1,2,2-Tetrachloroethane	ND	3.2	0.20	µg/Kg-dry	1		01/19/06 17:00
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.2	0.13	µg/Kg-dry	1		01/19/06 17:00
1,1,2-Trichloroethane	ND	3.2	0.14	µg/Kg-dry	1		01/19/06 17:00
1,1-Dichloroethane	ND	3.2	0.13	µg/Kg-dry	1		01/19/06 17:00
1,1-Dichloroethene	ND	3.2	0.18	µg/Kg-dry	1		01/19/06 17:00
1,1-Dichloropropene	ND	3.2	0.13	µg/Kg-dry	1		01/19/06 17:00
1,2,3-Trichlorobenzene	ND	6.3	0.63	µg/Kg-dry	1		01/19/06 17:00
1,2,3-Trichloropropane	ND	3.2	0.21	µg/Kg-dry	1		01/19/06 17:00
1,2,4-Trichlorobenzene	ND	6.3	0.43	µg/Kg-dry	1		01/19/06 17:00
1,2,4-Trimethylbenzene	ND	3.2	0.14	µg/Kg-dry	1		01/19/06 17:00
1,2-Dibromo-3-chloropropane	ND	6.3	0.51	µg/Kg-dry	1		01/19/06 17:00
1,2-Dibromoethane	ND	3.2	0.11	µg/Kg-dry	1		01/19/06 17:00
1,2-Dichlorobenzene	ND	3.2	0.11	µg/Kg-dry	1		01/19/06 17:00
1,2-Dichloroethane	ND	3.2	0.13	µg/Kg-dry	1		01/19/06 17:00
1,2-Dichloropropane	ND	3.2	0.10	µg/Kg-dry	1		01/19/06 17:00
1,3,5-Trimethylbenzene	ND	3.2	0.11	µg/Kg-dry	1		01/19/06 17:00
1,3-Dichlorobenzene	ND	3.2	0.13	µg/Kg-dry	1		01/19/06 17:00
1,3-Dichloropropane	ND	3.2	0.10	µg/Kg-dry	1		01/19/06 17:00
1,4-Dichlorobenzene	ND	3.2	0.16	µg/Kg-dry	1		01/19/06 17:00
2,2-Dichloropropane	ND	3.2	0.11	µg/Kg-dry	1		01/19/06 17:00
2-Butanone	ND	13	0.18	µg/Kg-dry	1		01/19/06 17:00
2-Chlorotoluene	ND	3.2	0.09	µg/Kg-dry	1		01/19/06 17:00
2-Hexanone	ND	6.3	0.28	µg/Kg-dry	1		01/19/06 17:00
4-Chlorotoluene	ND	3.2	0.20	µg/Kg-dry	1		01/19/06 17:00
4-Methyl-2-pentanone	ND	6.3	0.30	µg/Kg-dry	1		01/19/06 17:00
Acetone	4.3 J	13	0.49	µg/Kg-dry	1		01/19/06 17:00
Benzene	ND	3.2	0.11	µg/Kg-dry	1		01/19/06 17:00
Bromobenzene	ND	3.2	0.19	µg/Kg-dry	1		01/19/06 17:00
Bromochloromethane	ND	3.2	0.20	µg/Kg-dry	1		01/19/06 17:00
Bromodichloromethane	ND	3.2	0.10	µg/Kg-dry	1		01/19/06 17:00
Bromoform	ND	3.2	0.08	µg/Kg-dry	1		01/19/06 17:00
Bromomethane	ND	6.3	0.38	µg/Kg-dry	1		01/19/06 17:00

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:26

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/20/06 9:58:03 A

Sample Size: 5 g

%Moisture: 20.8

TestCode: 8260S TAGML

Lab ID: 0601060-001A

Client Sample ID: BH-30-S

Collection Date: 01/11/06 16:35

Date Received: 01/12/06 15:35

PrepDate:

BatchNo: R4263

FileID: 1-RA-J8280.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	1.1	J	3.2	0.08	µg/Kg-dry	1	01/19/06 17:00
Carbon tetrachloride	ND		3.2	0.14	µg/Kg-dry	1	01/19/06 17:00
Chlorobenzene	ND		3.2	0.11	µg/Kg-dry	1	01/19/06 17:00
Chloroethane	ND		6.3	0.37	µg/Kg-dry	1	01/19/06 17:00
Chloroform	ND		3.2	0.05	µg/Kg-dry	1	01/19/06 17:00
Chloromethane	ND		6.3	0.48	µg/Kg-dry	1	01/19/06 17:00
cis-1,2-Dichloroethene	ND		3.2	0.14	µg/Kg-dry	1	01/19/06 17:00
cis-1,3-Dichloropropene	ND		3.2	0.11	µg/Kg-dry	1	01/19/06 17:00
Dibromochloromethane	ND		3.2	0.16	µg/Kg-dry	1	01/19/06 17:00
Dibromomethane	ND		3.2	0.14	µg/Kg-dry	1	01/19/06 17:00
Dichlorodifluoromethane	ND		6.3	0.10	µg/Kg-dry	1	01/19/06 17:00
Ethylbenzene	ND		3.2	0.13	µg/Kg-dry	1	01/19/06 17:00
Hexachlorobutadiene	ND		6.3	0.49	µg/Kg-dry	1	01/19/06 17:00
Isopropylbenzene	ND		3.2	0.10	µg/Kg-dry	1	01/19/06 17:00
Methyl tert-butyl ether	ND		3.2	0.09	µg/Kg-dry	1	01/19/06 17:00
Methylene chloride	1.9	J	6.3	0.51	µg/Kg-dry	1	01/19/06 17:00
n-Butylbenzene	ND		3.2	0.15	µg/Kg-dry	1	01/19/06 17:00
n-Propylbenzene	ND		3.2	0.11	µg/Kg-dry	1	01/19/06 17:00
Naphthalene	ND		6.3	0.47	µg/Kg-dry	1	01/19/06 17:00
p-Isopropyltoluene	ND		3.2	0.11	µg/Kg-dry	1	01/19/06 17:00
sec-Butylbenzene	ND		3.2	0.16	µg/Kg-dry	1	01/19/06 17:00
Styrene	1.7	J	3.2	0.13	µg/Kg-dry	1	01/19/06 17:00
tert-Butylbenzene	ND		3.2	0.16	µg/Kg-dry	1	01/19/06 17:00
Tetrachloroethene	ND		3.2	0.18	µg/Kg-dry	1	01/19/06 17:00
Toluene	0.77	J	3.2	0.15	µg/Kg-dry	1	01/19/06 17:00
trans-1,2-Dichloroethene	ND		3.2	0.13	µg/Kg-dry	1	01/19/06 17:00
trans-1,3-Dichloropropene	ND		3.2	0.11	µg/Kg-dry	1	01/19/06 17:00
Trichloroethene	ND		3.2	0.14	µg/Kg-dry	1	01/19/06 17:00
Trichlorofluoromethane	0.93	J	6.3	0.10	µg/Kg-dry	1	01/19/06 17:00
Vinyl chloride	ND		6.3	0.10	µg/Kg-dry	1	01/19/06 17:00
Xylenes (total)	ND		6.3	0.23	µg/Kg-dry	1	01/19/06 17:00
Surr: 1,2-Dichloroethane-d4	92.5		71-128	0.16	%REC	1	01/19/06 17:00
Surr: 4-Bromofluorobenzene	56.4	S	59-125	0.11	%REC	1	01/19/06 17:00
Surr: Dibromofluoromethane	108		40-156	0.23	%REC	1	01/19/06 17:00
Surr: Toluene-d8	76.7		75-125	0.15	%REC	1	01/19/06 17:00

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.99 g

ColumnID: Rtx-VMS

%Moisture: 19.5

Revision: 01/19/06 2:30:18 P

TestCode: 8260S TAGML

Lab ID: 0601060-002A

Client Sample ID: BH-32-S

Collection Date: 01/12/06 10:15

Date Received: 01/12/06 15:35

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8256.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/18/06 13:38
1,1,1-Trichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/18/06 13:38
1,1,2,2-Tetrachloroethane	ND	3.1	0.20	µg/Kg-dry	1		01/18/06 13:38
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.1	0.12	µg/Kg-dry	1		01/18/06 13:38
1,1,2-Trichloroethane	ND	3.1	0.14	µg/Kg-dry	1		01/18/06 13:38
1,1-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/18/06 13:38
1,1-Dichloroethene	ND	3.1	0.17	µg/Kg-dry	1		01/18/06 13:38
1,1-Dichloropropene	ND	3.1	0.12	µg/Kg-dry	1		01/18/06 13:38
1,2,3-Trichlorobenzene	ND	6.2	0.62	µg/Kg-dry	1		01/18/06 13:38
1,2,3-Trichloropropane	ND	3.1	0.21	µg/Kg-dry	1		01/18/06 13:38
1,2,4-Trichlorobenzene	ND	6.2	0.42	µg/Kg-dry	1		01/18/06 13:38
1,2,4-Trimethylbenzene	ND	3.1	0.14	µg/Kg-dry	1		01/18/06 13:38
1,2-Dibromo-3-chloropropane	ND	6.2	0.50	µg/Kg-dry	1		01/18/06 13:38
1,2-Dibromoethane	ND	3.1	0.11	µg/Kg-dry	1		01/18/06 13:38
1,2-Dichlorobenzene	ND	3.1	0.11	µg/Kg-dry	1		01/18/06 13:38
1,2-Dichloroethane	ND	3.1	0.12	µg/Kg-dry	1		01/18/06 13:38
1,2-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/18/06 13:38
1,3,5-Trimethylbenzene	ND	3.1	0.11	µg/Kg-dry	1		01/18/06 13:38
1,3-Dichlorobenzene	ND	3.1	0.12	µg/Kg-dry	1		01/18/06 13:38
1,3-Dichloropropane	ND	3.1	0.10	µg/Kg-dry	1		01/18/06 13:38
1,4-Dichlorobenzene	ND	3.1	0.16	µg/Kg-dry	1		01/18/06 13:38
2,2-Dichloropropane	ND	3.1	0.11	µg/Kg-dry	1		01/18/06 13:38
2-Butanone	ND	12	0.17	µg/Kg-dry	1		01/18/06 13:38
2-Chlorotoluene	ND	3.1	0.09	µg/Kg-dry	1		01/18/06 13:38
2-Hexanone	ND	6.2	0.27	µg/Kg-dry	1		01/18/06 13:38
4-Chlorotoluene	ND	3.1	0.20	µg/Kg-dry	1		01/18/06 13:38
4-Methyl-2-pentanone	ND	6.2	0.30	µg/Kg-dry	1		01/18/06 13:38
Acetone	1.6 J	12	0.48	µg/Kg-dry	1		01/18/06 13:38
Benzene	ND	3.1	0.11	µg/Kg-dry	1		01/18/06 13:38
Bromobenzene	ND	3.1	0.19	µg/Kg-dry	1		01/18/06 13:38
Bromochloromethane	ND	3.1	0.20	µg/Kg-dry	1		01/18/06 13:38
Bromodichloromethane	ND	3.1	0.10	µg/Kg-dry	1		01/18/06 13:38
Bromoform	ND	3.1	0.07	µg/Kg-dry	1		01/18/06 13:38
Bromomethane	ND	6.2	0.37	µg/Kg-dry	1		01/18/06 13:38

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/20/06 10:26

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.99 g

ColumnID: Rtx-VMS

%Moisture: 19.5

Revision: 01/19/06 2:30:18 P

TestCode: 8260S TAGML

Lab ID: 0601060-002A

Client Sample ID: BH-32-S

Collection Date: 01/12/06 10:15

Date Received: 01/12/06 15:35

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8256.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		3.1	0.07	µg/Kg-dry	1	01/18/06 13:38
Carbon tetrachloride	ND		3.1	0.14	µg/Kg-dry	1	01/18/06 13:38
Chlorobenzene	ND		3.1	0.11	µg/Kg-dry	1	01/18/06 13:38
Chloroethane	ND		6.2	0.36	µg/Kg-dry	1	01/18/06 13:38
Chloroform	ND		3.1	0.05	µg/Kg-dry	1	01/18/06 13:38
Chloromethane	ND		6.2	0.47	µg/Kg-dry	1	01/18/06 13:38
cis-1,2-Dichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/18/06 13:38
cis-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/18/06 13:38
Dibromochloromethane	ND		3.1	0.16	µg/Kg-dry	1	01/18/06 13:38
Dibromomethane	ND		3.1	0.14	µg/Kg-dry	1	01/18/06 13:38
Dichlorodifluoromethane	ND		6.2	0.10	µg/Kg-dry	1	01/18/06 13:38
Ethylbenzene	ND		3.1	0.12	µg/Kg-dry	1	01/18/06 13:38
Hexachlorobutadiene	ND		6.2	0.48	µg/Kg-dry	1	01/18/06 13:38
Isopropylbenzene	ND		3.1	0.10	µg/Kg-dry	1	01/18/06 13:38
Methyl tert-butyl ether	ND		3.1	0.09	µg/Kg-dry	1	01/18/06 13:38
Methylene chloride	1.4 J		6.2	0.50	µg/Kg-dry	1	01/18/06 13:38
n-Butylbenzene	ND		3.1	0.15	µg/Kg-dry	1	01/18/06 13:38
n-Propylbenzene	ND		3.1	0.11	µg/Kg-dry	1	01/18/06 13:38
Naphthalene	ND		6.2	0.46	µg/Kg-dry	1	01/18/06 13:38
p-Isopropyltoluene	ND		3.1	0.11	µg/Kg-dry	1	01/18/06 13:38
sec-Butylbenzene	ND		3.1	0.18	µg/Kg-dry	1	01/18/06 13:38
Styrene	ND		3.1	0.12	µg/Kg-dry	1	01/18/06 13:38
tert-Butylbenzene	ND		3.1	0.16	µg/Kg-dry	1	01/18/06 13:38
Tetrachloroethene	4.7		3.1	0.17	µg/Kg-dry	1	01/18/06 13:38
Toluene	ND		3.1	0.15	µg/Kg-dry	1	01/18/06 13:38
trans-1,2-Dichloroethene	ND		3.1	0.12	µg/Kg-dry	1	01/18/06 13:38
trans-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/18/06 13:38
Trichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/18/06 13:38
Trichlorofluoromethane	ND		6.2	0.10	µg/Kg-dry	1	01/18/06 13:38
Vinyl chloride	ND		6.2	0.10	µg/Kg-dry	1	01/18/06 13:38
Xylenes (total)	ND		6.2	0.22	µg/Kg-dry	1	01/18/06 13:38
Surr: 1,2-Dichloroethane-d4	84.2		71-128	0.16	%REC	1	01/18/06 13:38
Surr: 4-Bromofluorobenzene	75.1		59-125	0.11	%REC	1	01/18/06 13:38
Surr: Dibromofluoromethane	98.7		40-156	0.22	%REC	1	01/18/06 13:38
Surr: Toluene-d8	90.9		75-125	0.15	%REC	1	01/18/06 13:38

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:26

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 5.01 g

%Moisture: 15.1

TestCode: 8260S TAGML

Lab ID: 0601060-003A

Client Sample ID: BH-32-D

Collection Date: 01/12/06 10:30

Date Received: 01/12/06 15:35

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8257.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 14:13
1,1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:13
1,1,2,2-Tetrachloroethane	ND	2.9	0.19	µg/Kg-dry	1		01/18/06 14:13
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:13
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 14:13
1,1-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:13
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/18/06 14:13
1,1-Dichloropropene	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:13
1,2,3-Trichlorobenzene	ND	5.9	0.59	µg/Kg-dry	1		01/18/06 14:13
1,2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry	1		01/18/06 14:13
1,2,4-Trichlorobenzene	ND	5.9	0.40	µg/Kg-dry	1		01/18/06 14:13
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 14:13
1,2-Dibromo-3-chloropropane	ND	5.9	0.47	µg/Kg-dry	1		01/18/06 14:13
1,2-Dibromoethane	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:13
1,2-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:13
1,2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:13
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 14:13
1,3,5-Trimethylbenzene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:13
1,3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:13
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 14:13
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/18/06 14:13
2,2-Dichloropropane	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:13
2-Butanone	ND	12	0.16	µg/Kg-dry	1		01/18/06 14:13
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/18/06 14:13
2-Hexanone	ND	5.9	0.26	µg/Kg-dry	1		01/18/06 14:13
4-Chlorotoluene	ND	2.9	0.19	µg/Kg-dry	1		01/18/06 14:13
4-Methyl-2-pentanone	ND	5.9	0.28	µg/Kg-dry	1		01/18/06 14:13
Acetone	1.6 J	12	0.46	µg/Kg-dry	1		01/18/06 14:13
Benzene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:13
Bromobenzene	ND	2.9	0.18	µg/Kg-dry	1		01/18/06 14:13
Bromochloromethane	ND	2.9	0.19	µg/Kg-dry	1		01/18/06 14:13
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 14:13
Bromoform	ND	2.9	0.07	µg/Kg-dry	1		01/18/06 14:13
Bromomethane	ND	5.9	0.35	µg/Kg-dry	1		01/18/06 14:13

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:26

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 5.01 g

%Moisture: 15.1

TestCode: 8260S TAGML

Lab ID: 0601060-003A

Client Sample ID: BH-32-D

Collection Date: 01/12/06 10:30

Date Received: 01/12/06 15:35

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8257.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND		2.9	0.07	µg/Kg-dry	1	01/18/06 14:13
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 14:13
Chlorobenzene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 14:13
Chloroethane	ND		5.9	0.34	µg/Kg-dry	1	01/18/06 14:13
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/18/06 14:13
Chloromethane	ND		5.9	0.45	µg/Kg-dry	1	01/18/06 14:13
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 14:13
cis-1,3-Dichloropropene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 14:13
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 14:13
Dibromomethane	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 14:13
Dichlorodifluoromethane	ND		5.9	0.09	µg/Kg-dry	1	01/18/06 14:13
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 14:13
Hexachlorobutadiene	ND		5.9	0.46	µg/Kg-dry	1	01/18/06 14:13
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/18/06 14:13
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/18/06 14:13
Methylene chloride	4.5 J		5.9	0.47	µg/Kg-dry	1	01/18/06 14:13
n-Butylbenzene	ND		2.9	0.14	µg/Kg-dry	1	01/18/06 14:13
n-Propylbenzene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 14:13
Naphthalene	ND		5.9	0.44	µg/Kg-dry	1	01/18/06 14:13
p-Isopropyltoluene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 14:13
sec-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 14:13
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 14:13
tert-Butylbenzene	ND		2.9	0.15	µg/Kg-dry	1	01/18/06 14:13
Tetrachloroethene	21		2.9	0.16	µg/Kg-dry	1	01/18/06 14:13
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/18/06 14:13
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/18/06 14:13
trans-1,3-Dichloropropene	ND		2.9	0.11	µg/Kg-dry	1	01/18/06 14:13
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/18/06 14:13
Trichlorofluoromethane	ND		5.9	0.09	µg/Kg-dry	1	01/18/06 14:13
Vinyl chloride	ND		5.9	0.09	µg/Kg-dry	1	01/18/06 14:13
Xylenes (total)	ND		5.9	0.21	µg/Kg-dry	1	01/18/06 14:13
Surr. 1,2-Dichloroethane-d4	88.4		71-128	0.15	%REC	1	01/18/06 14:13
Surr. 4-Bromofluorobenzene	62.0		59-125	0.11	%REC	1	01/18/06 14:13
Surr. Dibromofluoromethane	101		40-156	0.21	%REC	1	01/18/06 14:13
Surr. Toluene-d8	90.0		75-125	0.14	%REC	1	01/18/06 14:13

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.99 g

ColumnID: Rtx-VMS

%Moisture: 14.6

Revision: 01/19/06 2:30:18 P

TestCode: 8260S TAGML

Lab ID: 0601060-004A

Client Sample ID: BH-33-S

Collection Date: 01/12/06 10:45

Date Received: 01/12/06 15:35

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8258.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 14:48
1,1,1-Trichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:48
1,1,2,2-Tetrachloroethane	ND	2.9	0.19	µg/Kg-dry	1		01/18/06 14:48
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:48
1,1,2-Trichloroethane	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 14:48
1,1-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:48
1,1-Dichloroethene	ND	2.9	0.16	µg/Kg-dry	1		01/18/06 14:48
1,1-Dichloropropene	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:48
1,2,3-Trichlorobenzene	ND	5.9	0.59	µg/Kg-dry	1		01/18/06 14:48
1,2,3-Trichloropropane	ND	2.9	0.20	µg/Kg-dry	1		01/18/06 14:48
1,2,4-Trichlorobenzene	ND	5.9	0.40	µg/Kg-dry	1		01/18/06 14:48
1,2,4-Trimethylbenzene	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 14:48
1,2-Dibromo-3-chloropropane	ND	5.9	0.47	µg/Kg-dry	1		01/18/06 14:48
1,2-Dibromoethane	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:48
1,2-Dichlorobenzene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:48
1,2-Dichloroethane	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:48
1,2-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 14:48
1,3,5-Trimethylbenzene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:48
1,3-Dichlorobenzene	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:48
1,3-Dichloropropane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 14:48
1,4-Dichlorobenzene	ND	2.9	0.15	µg/Kg-dry	1		01/18/06 14:48
2,2-Dichloropropane	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:48
2-Butanone	ND	12	0.16	µg/Kg-dry	1		01/18/06 14:48
2-Chlorotoluene	ND	2.9	0.08	µg/Kg-dry	1		01/18/06 14:48
2-Hexanone	ND	5.9	0.26	µg/Kg-dry	1		01/18/06 14:48
4-Chlorotoluene	ND	2.9	0.19	µg/Kg-dry	1		01/18/06 14:48
4-Methyl-2-pentanone	ND	5.9	0.28	µg/Kg-dry	1		01/18/06 14:48
Acetone	2.1 J	12	0.46	µg/Kg-dry	1		01/18/06 14:48
Benzene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:48
Bromobenzene	ND	2.9	0.18	µg/Kg-dry	1		01/18/06 14:48
Bromochloromethane	ND	2.9	0.19	µg/Kg-dry	1		01/18/06 14:48
Bromodichloromethane	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 14:48
Bromoform	ND	2.9	0.07	µg/Kg-dry	1		01/18/06 14:48
Bromomethane	ND	5.9	0.35	µg/Kg-dry	1		01/18/06 14:48

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:26

Project Supervisor: Thomas A. Alexander

115



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 4.99 g

ColumnID: Rtx-VMS

%Moisture: 14.6

Revision: 01/19/06 2:30:18 P

TestCode: 8260S TAGML

Lab ID: 0601060-004A

Client Sample ID: BH-33-S

Collection Date: 01/12/06 10:45

Date Received: 01/12/06 15:35

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8258.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	2.9	0.07	µg/Kg-dry	1		01/18/06 14:48
Carbon tetrachloride	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 14:48
Chlorobenzene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:48
Chloroethane	ND	5.9	0.34	µg/Kg-dry	1		01/18/06 14:48
Chloroform	ND	2.9	0.05	µg/Kg-dry	1		01/18/06 14:48
Chloromethane	ND	5.9	0.44	µg/Kg-dry	1		01/18/06 14:48
cis-1,2-Dichloroethene	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 14:48
cis-1,3-Dichloropropene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:48
Dibromochloromethane	ND	2.9	0.15	µg/Kg-dry	1		01/18/06 14:48
Dibromomethane	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 14:48
Dichlorodifluoromethane	ND	5.9	0.09	µg/Kg-dry	1		01/18/06 14:48
Ethylbenzene	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:48
Hexachlorobutadiene	ND	5.9	0.46	µg/Kg-dry	1		01/18/06 14:48
Isopropylbenzene	ND	2.9	0.09	µg/Kg-dry	1		01/18/06 14:48
Methyl tert-butyl ether	ND	2.9	0.08	µg/Kg-dry	1		01/18/06 14:48
Methylene chloride	6.6	5.9	0.47	µg/Kg-dry	1		01/18/06 14:48
n-Butylbenzene	ND	2.9	0.14	µg/Kg-dry	1		01/18/06 14:48
n-Propylbenzene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:48
Naphthalene	0.91 J	5.9	0.43	µg/Kg-dry	1		01/18/06 14:48
p-Isopropyltoluene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:48
sec-Butylbenzene	ND	2.9	0.15	µg/Kg-dry	1		01/18/06 14:48
Styrene	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:48
tert-Butylbenzene	ND	2.9	0.15	µg/Kg-dry	1		01/18/06 14:48
Tetrachloroethene	27	2.9	0.16	µg/Kg-dry	1		01/18/06 14:48
Toluene	ND	2.9	0.14	µg/Kg-dry	1		01/18/06 14:48
trans-1,2-Dichloroethene	ND	2.9	0.12	µg/Kg-dry	1		01/18/06 14:48
trans-1,3-Dichloropropene	ND	2.9	0.11	µg/Kg-dry	1		01/18/06 14:48
Trichloroethene	ND	2.9	0.13	µg/Kg-dry	1		01/18/06 14:48
Trichlorofluoromethane	ND	5.9	0.09	µg/Kg-dry	1		01/18/06 14:48
Vinyl chloride	ND	5.9	0.09	µg/Kg-dry	1		01/18/06 14:48
Xylenes (total)	ND	5.9	0.21	µg/Kg-dry	1		01/18/06 14:48
Surr: 1,2-Dichloroethane-d4	88.6	71-128	0.15	%REC	1		01/18/06 14:48
Surr: 4-Bromofluorobenzene	68.9	59-125	0.11	%REC	1		01/18/06 14:48
Surr: Dibromofluoromethane	101	40-156	0.21	%REC	1		01/18/06 14:48
Surr: Toluene-d8	90.8	75-125	0.14	%REC	1		01/18/06 14:48

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: WATER

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 5 mL

%Moisture:

TestCode: 8260S TAGML

Lab ID: 0601060-005A

Client Sample ID: TRIP BLANK

Collection Date: 01/11/06 0:00

Date Received: 01/12/06 15:35

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8253.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
1,1,1,2-Tetrachloroethane	ND	2.5	0.11	µg/Kg	1		01/18/06 11:53
1,1,1-Trichloroethane	ND	2.5	0.10	µg/Kg	1		01/18/06 11:53
1,1,2,2-Tetrachloroethane	ND	2.5	0.16	µg/Kg	1		01/18/06 11:53
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.5	0.10	µg/Kg	1		01/18/06 11:53
1,1,2-Trichloroethane	ND	2.5	0.11	µg/Kg	1		01/18/06 11:53
1,1-Dichloroethane	ND	2.5	0.10	µg/Kg	1		01/18/06 11:53
1,1-Dichloroethene	ND	2.5	0.14	µg/Kg	1		01/18/06 11:53
1,1-Dichloropropane	ND	2.5	0.10	µg/Kg	1		01/18/06 11:53
1,2,3-Trichlorobenzene	ND	5.0	0.50	µg/Kg	1		01/18/06 11:53
1,2,3-Trichloropropane	ND	2.5	0.17	µg/Kg	1		01/18/06 11:53
1,2,4-Trichlorobenzene	ND	5.0	0.34	µg/Kg	1		01/18/06 11:53
1,2,4-Trimethylbenzene	ND	2.5	0.11	µg/Kg	1		01/18/06 11:53
1,2-Dibromo-3-chloropropane	ND	5.0	0.40	µg/Kg	1		01/18/06 11:53
1,2-Dibromoethane	ND	2.5	0.09	µg/Kg	1		01/18/06 11:53
1,2-Dichlorobenzene	ND	2.5	0.09	µg/Kg	1		01/18/06 11:53
1,2-Dichloroethane	ND	2.5	0.10	µg/Kg	1		01/18/06 11:53
1,2-Dichloropropane	ND	2.5	0.08	µg/Kg	1		01/18/06 11:53
1,3,5-Trimethylbenzene	ND	2.5	0.09	µg/Kg	1		01/18/06 11:53
1,3-Dichlorobenzene	ND	2.5	0.10	µg/Kg	1		01/18/06 11:53
1,3-Dichloropropane	ND	2.5	0.08	µg/Kg	1		01/18/06 11:53
1,4-Dichlorobenzene	ND	2.5	0.13	µg/Kg	1		01/18/06 11:53
2,2-Dichloropropane	ND	2.5	0.09	µg/Kg	1		01/18/06 11:53
2-Butanone	ND	10	0.14	µg/Kg	1		01/18/06 11:53
2-Chlorotoluene	ND	2.5	0.07	µg/Kg	1		01/18/06 11:53
2-Hexanone	ND	5.0	0.22	µg/Kg	1		01/18/06 11:53
4-Chlorotoluene	ND	2.5	0.16	µg/Kg	1		01/18/06 11:53
4-Methyl-2-pentanone	ND	5.0	0.24	µg/Kg	1		01/18/06 11:53
Acetone	1.8 J	10	0.39	µg/Kg	1		01/18/06 11:53
Benzene	ND	2.5	0.09	µg/Kg	1		01/18/06 11:53
Bromobenzene	ND	2.5	0.15	µg/Kg	1		01/18/06 11:53
Bromochloromethane	ND	2.5	0.16	µg/Kg	1		01/18/06 11:53
Bromodichloromethane	ND	2.5	0.08	µg/Kg	1		01/18/06 11:53
Bromoform	ND	2.5	0.06	µg/Kg	1		01/18/06 11:53
Bromomethane	ND	5.0	0.30	µg/Kg	1		01/18/06 11:53

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:26

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: WATER

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 01/19/06 2:30:18 P

Sample Size: 5 mL

%Moisture:

TestCode: 8260S TAGML

Lab ID: 0601060-005A

Client Sample ID: TRIP BLANK

Collection Date: 01/11/06 0:00

Date Received: 01/12/06 15:35

PrepDate:

BatchNo: R4249

FileID: 1-SAMP-J8253.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Carbon disulfide	ND	2.5	0.06	µg/Kg	1	01/18/06 11:53	
Carbon tetrachloride	ND	2.5	0.11	µg/Kg	1	01/18/06 11:53	
Chlorobenzene	ND	2.5	0.09	µg/Kg	1	01/18/06 11:53	
Chloroethane	ND	5.0	0.29	µg/Kg	1	01/18/06 11:53	
Chloroform	ND	2.5	0.04	µg/Kg	1	01/18/06 11:53	
Chloromethane	ND	5.0	0.38	µg/Kg	1	01/18/06 11:53	
cis-1,2-Dichloroethene	ND	2.5	0.11	µg/Kg	1	01/18/06 11:53	
cis-1,3-Dichloropropene	ND	2.5	0.09	µg/Kg	1	01/18/06 11:53	
Dibromochloromethane	ND	2.5	0.13	µg/Kg	1	01/18/06 11:53	
Dibromomethane	ND	2.5	0.11	µg/Kg	1	01/18/06 11:53	
Dichlorodifluoromethane	ND	5.0	0.08	µg/Kg	1	01/18/06 11:53	
Ethylbenzene	ND	2.5	0.10	µg/Kg	1	01/18/06 11:53	
Hexachlorobutadiene	ND	5.0	0.39	µg/Kg	1	01/18/06 11:53	
Isopropylbenzene	ND	2.5	0.08	µg/Kg	1	01/18/06 11:53	
Methyl tert-butyl ether	ND	2.5	0.07	µg/Kg	1	01/18/06 11:53	
Methylene chloride	ND	5.0	0.40	µg/Kg	1	01/18/06 11:53	
n-Butylbenzene	ND	2.5	0.12	µg/Kg	1	01/18/06 11:53	
n-Propylbenzene	ND	2.5	0.09	µg/Kg	1	01/18/06 11:53	
Naphthalene	ND	5.0	0.37	µg/Kg	1	01/18/06 11:53	
p-Isopropyltoluene	ND	2.5	0.09	µg/Kg	1	01/18/06 11:53	
sec-Butylbenzene	ND	2.5	0.13	µg/Kg	1	01/18/06 11:53	
Styrene	ND	2.5	0.10	µg/Kg	1	01/18/06 11:53	
tert-Butylbenzene	ND	2.5	0.13	µg/Kg	1	01/18/06 11:53	
Tetrachloroethene	ND	2.5	0.14	µg/Kg	1	01/18/06 11:53	
Toluene	ND	2.5	0.12	µg/Kg	1	01/18/06 11:53	
trans-1,2-Dichloroethene	ND	2.5	0.10	µg/Kg	1	01/18/06 11:53	
trans-1,3-Dichloropropene	ND	2.5	0.09	µg/Kg	1	01/18/06 11:53	
Trichloroethene	ND	2.5	0.11	µg/Kg	1	01/18/06 11:53	
Trichlorofluoromethane	ND	5.0	0.08	µg/Kg	1	01/18/06 11:53	
Vinyl chloride	ND	5.0	0.08	µg/Kg	1	01/18/06 11:53	
Xylenes (total)	ND	5.0	0.18	µg/Kg	1	01/18/06 11:53	
Surr: 1,2-Dichloroethane-d4	84.2	71-128	0.13	%REC	1	01/18/06 11:53	
Surr: 4-Bromofluorobenzene	80.0	59-125	0.09	%REC	1	01/18/06 11:53	
Surr: Dibromofluoromethane	97.8	40-156	0.18	%REC	1	01/18/06 11:53	
Surr: Toluene-d8	93.2	75-125	0.12	%REC	1	01/18/06 11:53	

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/20/06 10:26

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.7

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-001B

Client Sample ID: BH-20-S

Collection Date: 01/11/06 7:55

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3881.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND	380		3.0	µg/Kg-dry	1	01/25/06 21:10
1,2-Dichlorobenzene	ND	380		2.7	µg/Kg-dry	1	01/25/06 21:10
1,3-Dichlorobenzene	ND	380		1.8	µg/Kg-dry	1	01/25/06 21:10
1,4-Dichlorobenzene	ND	380		2.2	µg/Kg-dry	1	01/25/06 21:10
2,4,5-Trichlorophenol	ND	1900		38	µg/Kg-dry	1	01/25/06 21:10
2,4,6-Trichlorophenol	ND	380		3.5	µg/Kg-dry	1	01/25/06 21:10
2,4-Dichlorophenol	ND	380		3.5	µg/Kg-dry	1	01/25/06 21:10
2,4-Dimethylphenol	ND	380		3.2	µg/Kg-dry	1	01/25/06 21:10
2,4-Dinitrophenol	ND	1900		69	µg/Kg-dry	1	01/25/06 21:10
2,4-Dinitrotoluene	ND	380		3.2	µg/Kg-dry	1	01/25/06 21:10
2,6-Dinitrotoluene	ND	380		3.7	µg/Kg-dry	1	01/25/06 21:10
2-Chloronaphthalene	ND	380		1.8	µg/Kg-dry	1	01/25/06 21:10
2-Chlorophenol	ND	380		2.5	µg/Kg-dry	1	01/25/06 21:10
2-Methylnaphthalene	1100	380		1.8	µg/Kg-dry	1	01/25/06 21:10
2-Methylphenol	ND	380		2.3	µg/Kg-dry	1	01/25/06 21:10
2-Nitroaniline	ND	1900		4.0	µg/Kg-dry	1	01/25/06 21:10
2-Nitrophenol	ND	380		4.4	µg/Kg-dry	1	01/25/06 21:10
3,3'-Dichlorobenzidine	ND	760		9.3	µg/Kg-dry	1	01/25/06 21:10
3-Nitroaniline	ND	1900		13	µg/Kg-dry	1	01/25/06 21:10
4,6-Dinitro-2-methylphenol	ND	1900		31	µg/Kg-dry	1	01/25/06 21:10
4-Bromophenyl phenyl ether	ND	380		2.7	µg/Kg-dry	1	01/25/06 21:10
4-Chloro-3-methylphenol	ND	380		3.0	µg/Kg-dry	1	01/25/06 21:10
4-Chloroaniline	ND	380		4.6	µg/Kg-dry	1	01/25/06 21:10
4-Chlorophenyl phenyl ether	ND	380		2.9	µg/Kg-dry	1	01/25/06 21:10
4-Methylphenol	ND	380		2.2	µg/Kg-dry	1	01/25/06 21:10
4-Nitroaniline	ND	1900		6.3	µg/Kg-dry	1	01/25/06 21:10
4-Nitrophenol	ND	1900		15	µg/Kg-dry	1	01/25/06 21:10
Acenaphthene	ND	380		1.3	µg/Kg-dry	1	01/25/06 21:10
Acenaphthylene	ND	380		1.7	µg/Kg-dry	1	01/25/06 21:10
Aniline	ND	380		4.7	µg/Kg-dry	1	01/25/06 21:10
Anthracene	64 J	380		1.5	µg/Kg-dry	1	01/25/06 21:10
Benzo[a]anthracene	390	380		1.6	µg/Kg-dry	1	01/25/06 21:10
Benzo[a]pyrene	400	380		1.9	µg/Kg-dry	1	01/25/06 21:10
Benzo[b]fluoranthene	700	380		2.8	µg/Kg-dry	1	01/25/06 21:10
Benzo[g,h,i]perylene	220 J	380		1.9	µg/Kg-dry	1	01/25/06 21:10

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.7

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-001B

Client Sample ID: BH-20-S

Collection Date: 01/11/06 7:55

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3881.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	200 J	380		2.4	µg/Kg-dry	1	01/25/06 21:10
Benzoic acid	ND	1900		120	µg/Kg-dry	1	01/25/06 21:10
Benzyl alcohol	ND	380		4.2	µg/Kg-dry	1	01/25/06 21:10
bis(2-Chloroethoxy)methane	ND	380		1.5	µg/Kg-dry	1	01/25/06 21:10
bis(2-chloroethyl)ether	ND	380		2.2	µg/Kg-dry	1	01/25/06 21:10
bis(2-chloroisopropyl)ether	ND	380		2.2	µg/Kg-dry	1	01/25/06 21:10
bis(2-Ethylhexyl)phthalate	100 J	380		12	µg/Kg-dry	1	01/25/06 21:10
Butyl benzyl phthalate	ND	380		2.5	µg/Kg-dry	1	01/25/06 21:10
Chrysene	650	380		1.8	µg/Kg-dry	1	01/25/06 21:10
Di-n-butyl phthalate	76 J	380		3.2	µg/Kg-dry	1	01/25/06 21:10
Di-n-octyl phthalate	ND	380		1.8	µg/Kg-dry	1	01/25/06 21:10
Dibenz[a,h]anthracene	72 J	380		1.5	µg/Kg-dry	1	01/25/06 21:10
Dibenzofuran	300 J	380		1.7	µg/Kg-dry	1	01/25/06 21:10
Diethyl phthalate	ND	380		2.7	µg/Kg-dry	1	01/25/06 21:10
Dimethyl phthalate	ND	380		1.9	µg/Kg-dry	1	01/25/06 21:10
Fluoranthene	760	380		1.8	µg/Kg-dry	1	01/25/06 21:10
Fluorene	ND	380		1.9	µg/Kg-dry	1	01/25/06 21:10
Hexachlorobenzene	ND	380		3.0	µg/Kg-dry	1	01/25/06 21:10
Hexachlorobutadiene	ND	380		4.0	µg/Kg-dry	1	01/25/06 21:10
Hexachlorocyclopentadiene	ND	380		15	µg/Kg-dry	1	01/25/06 21:10
Hexachloroethane	ND	380		4.1	µg/Kg-dry	1	01/25/06 21:10
Indeno[1,2,3-cd]pyrene	140 J	380		1.5	µg/Kg-dry	1	01/25/06 21:10
Isophorone	ND	380		1.8	µg/Kg-dry	1	01/25/06 21:10
N-Nitroso-di-n-propylamine	ND	380		3.2	µg/Kg-dry	1	01/25/06 21:10
N-Nitrosodiphenylamine	ND	380		1.8	µg/Kg-dry	1	01/25/06 21:10
Naphthalene	590	380		1.1	µg/Kg-dry	1	01/25/06 21:10
Nitrobenzene	ND	380		2.3	µg/Kg-dry	1	01/25/06 21:10
Pentachlorophenol	ND	1900		32	µg/Kg-dry	1	01/25/06 21:10
Phenanthrene	1200	380		1.4	µg/Kg-dry	1	01/25/06 21:10
Phenol	ND	380		1.5	µg/Kg-dry	1	01/25/06 21:10
Pyrene	750	380		1.8	µg/Kg-dry	1	01/25/06 21:10
Surr: 2,4,6-Tribromophenol	65.9	20-143		0	%REC	1	01/25/06 21:10
Surr: 2-Fluorobiphenyl	90.5	46-130		0	%REC	1	01/25/06 21:10
Surr: 2-Fluorophenol	74.8	22-130		0	%REC	1	01/25/06 21:10
Surr: Nitrobenzene-d5	81.7	39-130		0	%REC	1	01/25/06 21:10

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.7

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-001B

Client Sample ID: BH-20-S

Collection Date: 01/11/06 7:55

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3881.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	74.5	33-130	0	%REC	1		01/25/06 21:10
Surr: Terphenyl-d14	102	36-146	0	%REC	1		01/25/06 21:10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05.26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 13.2

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-002B

Client Sample ID: BH-20-D

Collection Date: 01/11/06 8:05

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3882.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		380	3.0	µg/Kg-dry	1	01/25/06 21:48
1,2-Dichlorobenzene	ND		380	2.7	µg/Kg-dry	1	01/25/06 21:48
1,3-Dichlorobenzene	ND		380	1.8	µg/Kg-dry	1	01/25/06 21:48
1,4-Dichlorobenzene	ND		380	2.2	µg/Kg-dry	1	01/25/06 21:48
2,4,5-Trichlorophenol	ND		1900	38	µg/Kg-dry	1	01/25/06 21:48
2,4,6-Trichlorophenol	ND		380	3.5	µg/Kg-dry	1	01/25/06 21:48
2,4-Dichlorophenol	ND		380	3.5	µg/Kg-dry	1	01/25/06 21:48
2,4-Dimethylphenol	ND		380	3.2	µg/Kg-dry	1	01/25/06 21:48
2,4-Dinitrophenol	ND		1900	70	µg/Kg-dry	1	01/25/06 21:48
2,4-Dinitrotoluene	ND		380	3.2	µg/Kg-dry	1	01/25/06 21:48
2,6-Dinitrotoluene	ND		380	3.7	µg/Kg-dry	1	01/25/06 21:48
2-Chloronaphthalene	ND		380	1.8	µg/Kg-dry	1	01/25/06 21:48
2-Chlorophenol	ND		380	2.5	µg/Kg-dry	1	01/25/06 21:48
2-Methylnaphthalene	190 J		380	1.8	µg/Kg-dry	1	01/25/06 21:48
2-Methylphenol	ND		380	2.4	µg/Kg-dry	1	01/25/06 21:48
2-Nitroaniline	ND		1900	4.0	µg/Kg-dry	1	01/25/06 21:48
2-Nitrophenol	ND		380	4.4	µg/Kg-dry	1	01/25/06 21:48
3,3'-Dichlorobenzidine	ND		760	9.4	µg/Kg-dry	1	01/25/06 21:48
3-Nitroaniline	ND		1900	13	µg/Kg-dry	1	01/25/06 21:48
4,6-Dinitro-2-methylphenol	ND		1900	31	µg/Kg-dry	1	01/25/06 21:48
4-Bromophenyl phenyl ether	ND		380	2.7	µg/Kg-dry	1	01/25/06 21:48
4-Chloro-3-methylphenol	ND		380	3.0	µg/Kg-dry	1	01/25/06 21:48
4-Chloroaniline	ND		380	4.7	µg/Kg-dry	1	01/25/06 21:48
4-Chlorophenyl phenyl ether	ND		380	2.9	µg/Kg-dry	1	01/25/06 21:48
4-Methylphenol	ND		380	2.2	µg/Kg-dry	1	01/25/06 21:48
4-Nitroaniline	ND		1900	6.4	µg/Kg-dry	1	01/25/06 21:48
4-Nitrophenol	ND		1900	15	µg/Kg-dry	1	01/25/06 21:48
Acenaphthene	ND		380	1.3	µg/Kg-dry	1	01/25/06 21:48
Acenaphthylene	ND		380	1.7	µg/Kg-dry	1	01/25/06 21:48
Aniline	ND		380	4.7	µg/Kg-dry	1	01/25/06 21:48
Anthracene	ND		380	1.6	µg/Kg-dry	1	01/25/06 21:48
Benzo[a]anthracene	120 J		380	1.6	µg/Kg-dry	1	01/25/06 21:48
Benzo[a]pyrene	120 J		380	1.9	µg/Kg-dry	1	01/25/06 21:48
Benzo[b]fluoranthene	190 J		380	2.8	µg/Kg-dry	1	01/25/06 21:48
Benzo[g,h,i]perylene	73 J		380	1.9	µg/Kg-dry	1	01/25/06 21:48

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 13.2

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-002B

Client Sample ID: BH-20-D

Collection Date: 01/11/06 8:05

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3882.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	63	J	380	2.5	µg/Kg-dry	1	01/25/06 21:48
Benzoic acid	ND		1900	120	µg/Kg-dry	1	01/25/06 21:48
Benzyl alcohol	ND		380	4.2	µg/Kg-dry	1	01/25/06 21:48
bis(2-Chloroethoxy)methane	ND		380	1.5	µg/Kg-dry	1	01/25/06 21:48
bis(2-chloroethyl)ether	ND		380	2.2	µg/Kg-dry	1	01/25/06 21:48
bis(2-chloroisopropyl)ether	ND		380	2.2	µg/Kg-dry	1	01/25/06 21:48
bis(2-Ethylhexyl)phthalate	71	J	380	13	µg/Kg-dry	1	01/25/06 21:48
Butyl benzyl phthalate	ND		380	2.5	µg/Kg-dry	1	01/25/06 21:48
Chrysene	150	J	380	1.8	µg/Kg-dry	1	01/25/06 21:48
Di-n-butyl phthalate	88	J	380	3.2	µg/Kg-dry	1	01/25/06 21:48
Di-n-octyl phthalate	ND		380	1.8	µg/Kg-dry	1	01/25/06 21:48
Dibenz[a,h]anthracene	ND		380	1.5	µg/Kg-dry	1	01/25/06 21:48
Dibenzofuran	56	J	380	1.7	µg/Kg-dry	1	01/25/06 21:48
Diethyl phthalate	ND		380	2.7	µg/Kg-dry	1	01/25/06 21:48
Dimethyl phthalate	ND		380	2.0	µg/Kg-dry	1	01/25/06 21:48
Fluoranthene	210	J	380	1.8	µg/Kg-dry	1	01/25/06 21:48
Fluorene	ND		380	1.9	µg/Kg-dry	1	01/25/06 21:48
Hexachlorobenzene	ND		380	3.0	µg/Kg-dry	1	01/25/06 21:48
Hexachlorobutadiene	ND		380	4.1	µg/Kg-dry	1	01/25/06 21:48
Hexachlorocyclopentadiene	ND		380	15	µg/Kg-dry	1	01/25/08 21:48
Hexachloroethane	ND		380	4.1	µg/Kg-dry	1	01/25/06 21:48
Indeno[1,2,3-cd]pyrene	60	J	380	1.5	µg/Kg-dry	1	01/25/06 21:48
Isophorone	ND		380	1.8	µg/Kg-dry	1	01/25/06 21:48
N-Nitroso-di-n-propylamine	ND		380	3.3	µg/Kg-dry	1	01/25/06 21:48
N-Nitrosodiphenylamine	ND		380	1.8	µg/Kg-dry	1	01/25/06 21:48
Naphthalene	120	J	380	1.2	µg/Kg-dry	1	01/25/06 21:48
Nitrobenzene	ND		380	2.3	µg/Kg-dry	1	01/25/06 21:48
Pentachlorophenol	ND		1900	32	µg/Kg-dry	1	01/25/06 21:48
Phenanthrene	190	J	380	1.4	µg/Kg-dry	1	01/25/06 21:48
Phenol	ND		380	1.6	µg/Kg-dry	1	01/25/06 21:48
Pyrene	180	J	380	1.8	µg/Kg-dry	1	01/25/06 21:48
Surr: 2,4,6-Tribromophenol	113		20-143	0	%REC	1	01/25/06 21:48
Surr: 2-Fluorobiphenyl	91.0		46-130	0	%REC	1	01/25/06 21:48
Surr: 2-Fluorophenol	77.1		22-130	0	%REC	1	01/25/08 21:48
Surr: Nitrobenzene-d5	80.0		39-130	0	%REC	1	01/25/06 21:48

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 13.2

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-002B

Client Sample ID: BH-20-D

Collection Date: 01/11/06 8:05

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3882.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr. Phenol-d5	74.6	33-130	0		%REC	1	01/25/06 21:48
Surr. Terphenyl-d14	95.2	36-146	0		%REC	1	01/25/06 21:48

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 13.5

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-003B

Client Sample ID: BH-21-S

Collection Date: 01/10/06 15:15

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3885.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		380	3.0	µg/Kg-dry	1	01/25/06 23:40
1,2-Dichlorobenzene	ND		380	2.7	µg/Kg-dry	1	01/25/06 23:40
1,3-Dichlorobenzene	ND		380	1.8	µg/Kg-dry	1	01/25/06 23:40
1,4-Dichlorobenzene	ND		380	2.2	µg/Kg-dry	1	01/25/06 23:40
2,4,5-Trichlorophenol	ND		1900	38	µg/Kg-dry	1	01/25/06 23:40
2,4,6-Trichlorophenol	ND		380	3.6	µg/Kg-dry	1	01/25/06 23:40
2,4-Dichlorophenol	ND		380	3.5	µg/Kg-dry	1	01/25/06 23:40
2,4-Dimethylphenol	ND		380	3.3	µg/Kg-dry	1	01/25/06 23:40
2,4-Dinitrophenol	ND		1900	70	µg/Kg-dry	1	01/25/06 23:40
2,4-Dinitrotoluene	ND		380	3.2	µg/Kg-dry	1	01/25/06 23:40
2,6-Dinitrotoluene	ND		380	3.7	µg/Kg-dry	1	01/25/06 23:40
2-Chloronaphthalene	ND		380	1.8	µg/Kg-dry	1	01/25/06 23:40
2-Chlorophenol	ND		380	2.5	µg/Kg-dry	1	01/25/06 23:40
2-Methylnaphthalene	ND		380	1.8	µg/Kg-dry	1	01/25/06 23:40
2-Methylphenol	ND		380	2.4	µg/Kg-dry	1	01/25/06 23:40
2-Nitroaniline	ND		1900	4.0	µg/Kg-dry	1	01/25/06 23:40
2-Nitrophenol	ND		380	4.4	µg/Kg-dry	1	01/25/06 23:40
3,3'-Dichlorobenzidine	ND		760	9.4	µg/Kg-dry	1	01/25/06 23:40
3-Nitroaniline	ND		1900	13	µg/Kg-dry	1	01/25/06 23:40
4,6-Dinitro-2-methylphenol	ND		1900	31	µg/Kg-dry	1	01/25/06 23:40
4-Bromophenyl phenyl ether	ND		380	2.7	µg/Kg-dry	1	01/25/06 23:40
4-Chloro-3-methylphenol	ND		380	3.0	µg/Kg-dry	1	01/25/06 23:40
4-Chloroaniline	ND		380	4.7	µg/Kg-dry	1	01/25/06 23:40
4-Chlorophenyl phenyl ether	ND		380	2.9	µg/Kg-dry	1	01/25/06 23:40
4-Methylphenol	ND		380	2.2	µg/Kg-dry	1	01/25/06 23:40
4-Nitroaniline	ND		1900	6.4	µg/Kg-dry	1	01/25/06 23:40
4-Nitrophenol	ND		1900	15	µg/Kg-dry	1	01/25/06 23:40
Acenaphthene	ND		380	1.4	µg/Kg-dry	1	01/25/06 23:40
Acenaphthylene	ND		380	1.7	µg/Kg-dry	1	01/25/06 23:40
Aniline	ND		380	4.7	µg/Kg-dry	1	01/25/06 23:40
Anthracene	ND		380	1.6	µg/Kg-dry	1	01/25/06 23:40
Benzo[a]anthracene	61 J		380	1.6	µg/Kg-dry	1	01/25/06 23:40
Benzo[a]pyrene	74 J		380	1.9	µg/Kg-dry	1	01/25/06 23:40
Benzo[b]fluoranthene	120 J		380	2.8	µg/Kg-dry	1	01/25/06 23:40
Benzo[g,h,i]perylene	49 J		380	1.9	µg/Kg-dry	1	01/25/06 23:40

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 13.5

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-003B

Client Sample ID: BH-21-S

Collection Date: 01/10/06 15:15

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3885.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		380	2.5	µg/Kg-dry	1	01/25/06 23:40
Benzoic acid	ND		1900	120	µg/Kg-dry	1	01/25/06 23:40
Benzyl alcohol	ND		380	4.2	µg/Kg-dry	1	01/25/06 23:40
bis(2-Chloroethoxy)methane	ND		380	1.5	µg/Kg-dry	1	01/25/06 23:40
bis(2-chloroethyl)ether	ND		380	2.2	µg/Kg-dry	1	01/25/06 23:40
bis(2-chloroisopropyl)ether	ND		380	2.2	µg/Kg-dry	1	01/25/06 23:40
bis(2-Ethylhexyl)phthalate	43 J		380	13	µg/Kg-dry	1	01/25/06 23:40
Butyl benzyl phthalate	ND		380	2.5	µg/Kg-dry	1	01/25/06 23:40
Chrysene	81 J		380	1.8	µg/Kg-dry	1	01/25/06 23:40
Di-n-butyl phthalate	56 J		380	3.2	µg/Kg-dry	1	01/25/06 23:40
Di-n-octyl phthalate	ND		380	1.8	µg/Kg-dry	1	01/25/06 23:40
Dibenz[a,h]anthracene	ND		380	1.5	µg/Kg-dry	1	01/25/06 23:40
Dibenzofuran	ND		380	1.7	µg/Kg-dry	1	01/25/06 23:40
Diethyl phthalate	ND		380	2.8	µg/Kg-dry	1	01/25/06 23:40
Dimethyl phthalate	ND		380	2.0	µg/Kg-dry	1	01/25/06 23:40
Fluoranthene	120 J		380	1.8	µg/Kg-dry	1	01/25/06 23:40
Fluorene	ND		380	1.9	µg/Kg-dry	1	01/25/06 23:40
Hexachlorobenzene	ND		380	3.0	µg/Kg-dry	1	01/25/06 23:40
Hexachlorobutadiene	ND		380	4.1	µg/Kg-dry	1	01/25/06 23:40
Hexachlorocyclopentadiene	ND		380	15	µg/Kg-dry	1	01/25/06 23:40
Hexachloroethane	ND		380	4.1	µg/Kg-dry	1	01/25/06 23:40
Indeno[1,2,3-cd]pyrene	40 J		380	1.5	µg/Kg-dry	1	01/25/06 23:40
Isophorone	ND		380	1.8	µg/Kg-dry	1	01/25/06 23:40
N-Nitroso-di-n-propylamine	ND		380	3.3	µg/Kg-dry	1	01/25/06 23:40
N-Nitrosodiphenylamine	ND		380	1.8	µg/Kg-dry	1	01/25/06 23:40
Naphthalene	ND		380	1.2	µg/Kg-dry	1	01/25/06 23:40
Nitrobenzene	ND		380	2.3	µg/Kg-dry	1	01/25/06 23:40
Pentachlorophenol	ND		1900	32	µg/Kg-dry	1	01/25/06 23:40
Phenanthrene	50 J		380	1.4	µg/Kg-dry	1	01/25/06 23:40
Phenol	ND		380	1.6	µg/Kg-dry	1	01/25/06 23:40
Pyrene	100 J		380	1.8	µg/Kg-dry	1	01/25/06 23:40
Surr: 2,4,6-Tribromophenol	121		20-143	0	%REC	1	01/25/06 23:40
Surr: 2-Fluorobiphenyl	92.7		46-130	0	%REC	1	01/25/06 23:40
Surr: 2-Fluorophenol	80.0		22-130	0	%REC	1	01/25/06 23:40
Surr: Nitrobenzene-d5	82.2		39-130	0	%REC	1	01/25/06 23:40

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	Lab ID:	0601049-003B
Project:	Geneva Foundry	Client Sample ID:	BH-21-S
W Order:	0601049	Collection Date:	01/10/06 15:15
Matrix:	SOIL	Date Received:	01/12/06 7:50
Inst. ID:	MS05 26	Sample Size:	30 g
ColumnID:	ZB-5	%Moisture:	13.5
Revision:	01/31/06 10:18:39 A	TestCode:	8270S TAGML
		PrepDate:	01/13/06 8:14 A
		BatchNo:	2374/R4378
		FileID:	1-SAMP-N3885.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	77.2	33-130	0	%REC	1		01/25/06 23:40
Surr: Terphenyl-d14	92.3	36-146	0	%REC	1		01/25/06 23:40

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 15.0

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-004B

Client Sample ID: BH-21-D

Collection Date: 01/10/06 15:25

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3886.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		390	3.1	µg/Kg-dry	1	01/26/06 0:18
1,2-Dichlorobenzene	ND		390	2.8	µg/Kg-dry	1	01/26/06 0:18
1,3-Dichlorobenzene	ND		390	1.9	µg/Kg-dry	1	01/26/06 0:18
1,4-Dichlorobenzene	ND		390	2.2	µg/Kg-dry	1	01/26/06 0:18
2,4,5-Trichlorophenol	ND		2000	39	µg/Kg-dry	1	01/26/06 0:18
2,4,6-Trichlorophenol	ND		390	3.6	µg/Kg-dry	1	01/26/06 0:18
2,4-Dichlorophenol	ND		390	3.6	µg/Kg-dry	1	01/26/06 0:18
2,4-Dimethylphenol	ND		390	3.3	µg/Kg-dry	1	01/26/06 0:18
2,4-Dinitrophenol	ND		2000	71	µg/Kg-dry	1	01/26/06 0:18
2,4-Dinitrotoluene	ND		390	3.2	µg/Kg-dry	1	01/26/06 0:18
2,6-Dinitrotoluene	ND		390	3.8	µg/Kg-dry	1	01/26/06 0:18
2-Chloronaphthalene	ND		390	1.9	µg/Kg-dry	1	01/26/06 0:18
2-Chlorophenol	ND		390	2.6	µg/Kg-dry	1	01/26/06 0:18
2-Methylnaphthalene	ND		390	1.9	µg/Kg-dry	1	01/26/06 0:18
2-Methylphenol	ND		390	2.4	µg/Kg-dry	1	01/26/06 0:18
2-Nitroaniline	ND		2000	4.1	µg/Kg-dry	1	01/26/06 0:18
2-Nitrophenol	ND		390	4.5	µg/Kg-dry	1	01/26/06 0:18
3,3'-Dichlorobenzidine	ND		780	9.6	µg/Kg-dry	1	01/26/06 0:18
3-Nitroaniline	ND		2000	13	µg/Kg-dry	1	01/26/06 0:18
4,6-Dinitro-2-methylphenol	ND		2000	32	µg/Kg-dry	1	01/26/06 0:18
4-Bromophenyl phenyl ether	ND		390	2.7	µg/Kg-dry	1	01/26/06 0:18
4-Chloro-3-methylphenol	ND		390	3.1	µg/Kg-dry	1	01/26/06 0:18
4-Chloroaniline	ND		390	4.8	µg/Kg-dry	1	01/26/06 0:18
4-Chlorophenyl phenyl ether	ND		390	3.0	µg/Kg-dry	1	01/26/06 0:18
4-Methylphenol	ND		390	2.2	µg/Kg-dry	1	01/26/06 0:18
4-Nitroaniline	ND		2000	6.5	µg/Kg-dry	1	01/26/06 0:18
4-Nitrophenol	ND		2000	16	µg/Kg-dry	1	01/26/06 0:18
Acenaphthene	ND		390	1.4	µg/Kg-dry	1	01/26/06 0:18
Acenaphthylene	ND		390	1.7	µg/Kg-dry	1	01/26/06 0:18
Aniline	ND		390	4.8	µg/Kg-dry	1	01/26/06 0:18
Anthracene	66 J		390	1.6	µg/Kg-dry	1	01/26/06 0:18
Benzo[a]anthracene	270 J		390	1.7	µg/Kg-dry	1	01/26/06 0:18
Benzo[a]pyrene	280 J		390	1.9	µg/Kg-dry	1	01/26/06 0:18
Benzo[b]fluoranthene	430		390	2.8	µg/Kg-dry	1	01/26/06 0:18
Benzo[g,h,i]perylene	150 J		390	2.0	µg/Kg-dry	1	01/26/06 0:18

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 15.0

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-004B

Client Sample ID: BH-21-D

Collection Date: 01/10/06 15:25

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3886.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	170	J	390	2.5	µg/Kg-dry	1	01/26/06 0:18
Benzoic acid	ND		2000	120	µg/Kg-dry	1	01/26/06 0:18
Benzyl alcohol	ND		390	4.3	µg/Kg-dry	1	01/26/06 0:18
bis(2-Chloroethoxy)methane	ND		390	1.5	µg/Kg-dry	1	01/26/06 0:18
bis(2-chloroethyl)ether	ND		390	2.2	µg/Kg-dry	1	01/26/06 0:18
bis(2-chloroisopropyl)ether	ND		390	2.2	µg/Kg-dry	1	01/26/06 0:18
bis(2-Ethylhexyl)phthalate	53	J	390	13	µg/Kg-dry	1	01/26/06 0:18
Butyl benzyl phthalate	ND		390	2.8	µg/Kg-dry	1	01/26/06 0:18
Chrysene	350	J	390	1.8	µg/Kg-dry	1	01/26/06 0:18
Di-n-butyl phthalate	60	J	390	3.2	µg/Kg-dry	1	01/26/06 0:18
Di-n-octyl phthalate	ND		390	1.8	µg/Kg-dry	1	01/26/06 0:18
Dibenz[a,h]anthracene	49	J	390	1.6	µg/Kg-dry	1	01/26/06 0:18
Dibenzofuran	ND		390	1.7	µg/Kg-dry	1	01/26/06 0:18
Diethyl phthalate	ND		390	2.8	µg/Kg-dry	1	01/26/06 0:18
Dimethyl phthalate	ND		390	2.0	µg/Kg-dry	1	01/26/06 0:18
Fluoranthene	570		390	1.8	µg/Kg-dry	1	01/26/06 0:18
Fluorene	ND		390	1.9	µg/Kg-dry	1	01/26/06 0:18
Hexachlorobenzene	ND		390	3.1	µg/Kg-dry	1	01/26/06 0:18
Hexachlorobutadiene	ND		390	4.1	µg/Kg-dry	1	01/26/06 0:18
Hexachlorocyclopentadiene	ND		390	15	µg/Kg-dry	1	01/26/06 0:18
Hexachloroethane	ND		390	4.2	µg/Kg-dry	1	01/26/06 0:18
Indeno[1,2,3-cd]pyrene	110	J	390	1.6	µg/Kg-dry	1	01/26/06 0:18
Isophorone	ND		390	1.9	µg/Kg-dry	1	01/26/06 0:18
N-Nitroso-di-n-propylamine	ND		390	3.3	µg/Kg-dry	1	01/26/06 0:18
N-Nitrosodiphenylamine	ND		390	1.8	µg/Kg-dry	1	01/26/06 0:18
Naphthalene	ND		390	1.2	µg/Kg-dry	1	01/26/06 0:18
Nitrobenzene	ND		390	2.3	µg/Kg-dry	1	01/26/06 0:18
Pentachlorophenol	ND		2000	32	µg/Kg-dry	1	01/26/06 0:18
Phenanthrene	370	J	390	1.4	µg/Kg-dry	1	01/26/06 0:18
Phenol	ND		390	1.6	µg/Kg-dry	1	01/26/06 0:18
Pyrene	470		390	1.9	µg/Kg-dry	1	01/26/06 0:18
Surr: 2,4,6-Tribromophenol	118		20-143	0	%REC	1	01/26/06 0:18
Surr: 2-Fluorobiphenyl	90.2		46-130	0	%REC	1	01/26/06 0:18
Surr: 2-Fluorophenol	77.8		22-130	0	%REC	1	01/26/06 0:18
Surr: Nitrobenzene-d5	81.4		39-130	0	%REC	1	01/26/06 0:18

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 15.0

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-004B

Client Sample ID: BH-21-D

Collection Date: 01/10/06 15:25

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3886.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	75.8	33-130	0	%REC	1		01/26/06 0:18
Surr: Terphenyl-d14	95.8	36-146	0	%REC	1		01/26/06 0:18

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

130



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:18:39 A

Sample Size: 30 g

%Moisture: 14.8

TestCode: 8270S TAGML

Lab ID: 0601049-005B

Client Sample ID: BH-22-S

Collection Date: 01/10/06 13:00

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3887.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		390	3.1	µg/Kg-dry	1	01/26/06 0:55
1,2-Dichlorobenzene	ND		390	2.7	µg/Kg-dry	1	01/26/06 0:55
1,3-Dichlorobenzene	ND		390	1.9	µg/Kg-dry	1	01/26/06 0:55
1,4-Dichlorobenzene	ND		390	2.2	µg/Kg-dry	1	01/26/06 0:55
2,4,5-Trichlorophenol	ND		2000	39	µg/Kg-dry	1	01/26/06 0:55
2,4,6-Trichlorophenol	ND		390	3.6	µg/Kg-dry	1	01/26/06 0:55
2,4-Dichlorophenol	ND		390	3.6	µg/Kg-dry	1	01/26/06 0:55
2,4-Dimethylphenol	ND		390	3.3	µg/Kg-dry	1	01/26/06 0:55
2,4-Dinitrophenol	ND		2000	71	µg/Kg-dry	1	01/26/06 0:55
2,4-Dinitrotoluene	ND		390	3.2	µg/Kg-dry	1	01/26/06 0:55
2,6-Dinitrotoluene	ND		390	3.7	µg/Kg-dry	1	01/26/06 0:55
2-Chloronaphthalene	ND		390	1.9	µg/Kg-dry	1	01/26/06 0:55
2-Chlorophenol	ND		390	2.5	µg/Kg-dry	1	01/26/06 0:55
2-Methylnaphthalene	220 J		390	1.9	µg/Kg-dry	1	01/26/06 0:55
2-Methylphenol	ND		390	2.4	µg/Kg-dry	1	01/26/06 0:55
2-Nitroaniline	ND		2000	4.1	µg/Kg-dry	1	01/26/06 0:55
2-Nitrophenol	ND		390	4.5	µg/Kg-dry	1	01/26/06 0:55
3,3'-Dichlorobenzidine	ND		780	9.6	µg/Kg-dry	1	01/26/06 0:55
3-Nitroaniline	ND		2000	13	µg/Kg-dry	1	01/26/06 0:55
4,6-Dinitro-2-methylphenol	ND		2000	32	µg/Kg-dry	1	01/26/06 0:55
4-Bromophenyl phenyl ether	ND		390	2.7	µg/Kg-dry	1	01/26/06 0:55
4-Chloro-3-methylphenol	ND		390	3.1	µg/Kg-dry	1	01/26/06 0:55
4-Chloroaniline	ND		390	4.8	µg/Kg-dry	1	01/26/06 0:55
4-Chlorophenyl phenyl ether	ND		390	3.0	µg/Kg-dry	1	01/26/06 0:55
4-Methylphenol	ND		390	2.2	µg/Kg-dry	1	01/26/06 0:55
4-Nitroaniline	ND		2000	6.5	µg/Kg-dry	1	01/26/06 0:55
4-Nitrophenol	ND		2000	16	µg/Kg-dry	1	01/26/06 0:55
Acenaphthene	ND		390	1.4	µg/Kg-dry	1	01/26/06 0:55
Acenaphthylene	60 J		390	1.7	µg/Kg-dry	1	01/26/06 0:55
Aniline	ND		390	4.8	µg/Kg-dry	1	01/26/06 0:55
Anthracene	88 J		390	1.6	µg/Kg-dry	1	01/26/06 0:55
Benzo[a]anthracene	420		390	1.7	µg/Kg-dry	1	01/26/06 0:55
Benzo[a]pyrene	480		390	1.9	µg/Kg-dry	1	01/26/06 0:55
Benzo[b]fluoranthene	850		390	2.8	µg/Kg-dry	1	01/26/06 0:55
Benzo[g,h,i]perylene	270 J		390	2.0	µg/Kg-dry	1	01/26/06 0:55

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 14.8

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-005B

Client Sample ID: BH-22-S

Collection Date: 01/10/06 13:00

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3887.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	270	J	390	2.5	µg/Kg-dry	1	01/26/06 0:55
Benzoic acid	ND		2000	120	µg/Kg-dry	1	01/26/06 0:55
Benzyl alcohol	ND		390	4.3	µg/Kg-dry	1	01/26/06 0:55
bis(2-Chloroethoxy)methane	ND		390	1.5	µg/Kg-dry	1	01/26/06 0:55
bis(2-chloroethyl)ether	ND		390	2.2	µg/Kg-dry	1	01/26/06 0:55
bis(2-chloroisopropyl)ether	ND		390	2.2	µg/Kg-dry	1	01/26/06 0:55
bis(2-Ethylhexyl)phthalate	160	J	390	13	µg/Kg-dry	1	01/26/06 0:55
Butyl benzyl phthalate	ND		390	2.5	µg/Kg-dry	1	01/26/06 0:55
Chrysene	540		390	1.8	µg/Kg-dry	1	01/26/06 0:55
Di-n-butyl phthalate	58	J	390	3.2	µg/Kg-dry	1	01/26/06 0:55
Di-n-octyl phthalate	ND		390	1.8	µg/Kg-dry	1	01/26/06 0:55
Dibenz[a,h]anthracene	75	J	390	1.6	µg/Kg-dry	1	01/26/06 0:55
Dibenzofuran	76	J	390	1.7	µg/Kg-dry	1	01/26/06 0:55
Diethyl phthalate	ND		390	2.8	µg/Kg-dry	1	01/26/06 0:55
Dimethyl phthalate	ND		390	2.0	µg/Kg-dry	1	01/26/06 0:55
Fluoranthene	690		390	1.8	µg/Kg-dry	1	01/26/06 0:55
Fluorene	ND		390	1.9	µg/Kg-dry	1	01/26/06 0:55
Hexachlorobenzene	ND		390	3.1	µg/Kg-dry	1	01/26/06 0:55
Hexachlorobutadiene	ND		390	4.1	µg/Kg-dry	1	01/26/06 0:55
Hexachlorocyclopentadiene	ND		390	15	µg/Kg-dry	1	01/26/06 0:55
Hexachloroethane	ND		390	4.2	µg/Kg-dry	1	01/26/06 0:55
Indeno[1,2,3-cd]pyrene	150	J	390	1.6	µg/Kg-dry	1	01/26/06 0:55
Isophorone	ND		390	1.9	µg/Kg-dry	1	01/26/06 0:55
N-Nitroso-di-n-propylamine	ND		390	3.3	µg/Kg-dry	1	01/26/06 0:55
N-Nitrosodiphenylamine	ND		390	1.8	µg/Kg-dry	1	01/26/06 0:55
Naphthalene	180	J	390	1.2	µg/Kg-dry	1	01/26/06 0:55
Nitrobenzene	ND		390	2.3	µg/Kg-dry	1	01/26/06 0:55
Pentachlorophenol	ND		2000	32	µg/Kg-dry	1	01/26/06 0:55
Phenanthrene	480		390	1.4	µg/Kg-dry	1	01/26/06 0:55
Phenol	40	J	390	1.6	µg/Kg-dry	1	01/26/06 0:55
Pyrene	680		390	1.9	µg/Kg-dry	1	01/26/06 0:55
Surr. 2,4,6-Tribromophenol	112		20-143	0	%REC	1	01/26/06 0:55
Surr. 2-Fluorobiphenyl	87.0		46-130	0	%REC	1	01/26/06 0:55
Surr. 2-Fluorophenol	71.9		22-130	0	%REC	1	01/26/06 0:55
Surr. Nitrobenzene-d5	74.8		39-130	0	%REC	1	01/26/06 0:55

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 14.8

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-005B

Client Sample ID: BH-22-S

Collection Date: 01/10/06 13:00

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3887.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	70.9	33-130	0	%REC	1		01/26/06 0:55
Surr: Terphenyl-d14	102	36-146	0	%REC	1		01/26/06 0:55

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:18:39 A

Sample Size: 30 g

%Moisture: 14.3

TestCode: 8270S TAGML

Lab ID: 0601049-006B

Client Sample ID: BH-22-D

Collection Date: 01/10/06 13:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3888.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		380	3.1	µg/Kg-dry	1	01/26/06 1:32
1,2-Dichlorobenzene	ND		380	2.7	µg/Kg-dry	1	01/26/06 1:32
1,3-Dichlorobenzene	ND		380	1.8	µg/Kg-dry	1	01/26/06 1:32
1,4-Dichlorobenzene	ND		380	2.2	µg/Kg-dry	1	01/26/06 1:32
2,4,5-Trichlorophenol	ND		1900	38	µg/Kg-dry	1	01/26/06 1:32
2,4,6-Trichlorophenol	ND		380	3.6	µg/Kg-dry	1	01/26/06 1:32
2,4-Dichlorophenol	ND		380	3.6	µg/Kg-dry	1	01/26/06 1:32
2,4-Dimethylphenol	ND		380	3.3	µg/Kg-dry	1	01/26/06 1:32
2,4-Dinitrophenol	ND		1900	70	µg/Kg-dry	1	01/26/06 1:32
2,4-Dinitrotoluene	ND		380	3.2	µg/Kg-dry	1	01/26/06 1:32
2,6-Dinitrotoluene	ND		380	3.7	µg/Kg-dry	1	01/26/06 1:32
2-Chloronaphthalene	ND		380	1.8	µg/Kg-dry	1	01/26/06 1:32
2-Chlorophenol	ND		380	2.5	µg/Kg-dry	1	01/26/06 1:32
2-Methylnaphthalene	86 J		380	1.9	µg/Kg-dry	1	01/26/06 1:32
2-Methylphenol	ND		380	2.4	µg/Kg-dry	1	01/28/06 1:32
2-Nitroaniline	ND		1900	4.1	µg/Kg-dry	1	01/26/06 1:32
2-Nitrophenol	ND		380	4.4	µg/Kg-dry	1	01/26/06 1:32
3,3'-Dichlorobenzidine	ND		770	9.5	µg/Kg-dry	1	01/26/08 1:32
3-Nitroaniline	ND		1900	13	µg/Kg-dry	1	01/26/06 1:32
4,6-Dinitro-2-methylphenol	ND		1900	31	µg/Kg-dry	1	01/28/06 1:32
4-Bromophenyl phenyl ether	ND		380	2.7	µg/Kg-dry	1	01/26/06 1:32
4-Chloro-3-methylphenol	ND		380	3.1	µg/Kg-dry	1	01/26/06 1:32
4-Chloroaniline	ND		380	4.7	µg/Kg-dry	1	01/26/06 1:32
4-Chlorophenyl phenyl ether	ND		380	3.0	µg/Kg-dry	1	01/26/06 1:32
4-Methylphenol	ND		380	2.2	µg/Kg-dry	1	01/26/06 1:32
4-Nitroaniline	ND		1900	6.4	µg/Kg-dry	1	01/26/06 1:32
4-Nitrophenol	ND		1900	15	µg/Kg-dry	1	01/26/06 1:32
Acenaphthene	ND		380	1.4	µg/Kg-dry	1	01/26/06 1:32
Acenaphthylene	ND		380	1.7	µg/Kg-dry	1	01/26/06 1:32
Aniline	ND		380	4.8	µg/Kg-dry	1	01/26/06 1:32
Anthracene	92 J		380	1.6	µg/Kg-dry	1	01/26/06 1:32
Benzo[a]anthracene	350 J		380	1.6	µg/Kg-dry	1	01/26/06 1:32
Benzo[a]pyrene	460		380	1.9	µg/Kg-dry	1	01/26/06 1:32
Benzo[b]fluoranthene	690		380	2.8	µg/Kg-dry	1	01/26/06 1:32
Benzo[g,h,i]perylene	280 J		380	2.0	µg/Kg-dry	1	01/26/06 1:32

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:18:39 A

Sample Size: 30 g

%Moisture: 14.3

TestCode: 8270S TAGML

Lab ID: 0601049-006B

Client Sample ID: BH-22-D

Collection Date: 01/10/06 13:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: I-SAMP-N3888.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	240	J	380	2.5	µg/Kg-dry	1	01/26/06 1:32
Benzoic acid	ND		1900	120	µg/Kg-dry	1	01/26/06 1:32
Benzyl alcohol	ND		380	4.3	µg/Kg-dry	1	01/26/06 1:32
bis(2-Chloroethoxy)methane	ND		380	1.5	µg/Kg-dry	1	01/26/06 1:32
bis(2-chloroethyl)ether	ND		380	2.2	µg/Kg-dry	1	01/26/06 1:32
bis(2-chloroisopropyl)ether	ND		380	2.2	µg/Kg-dry	1	01/26/06 1:32
bis(2-Ethylhexyl)phthalate	140	J	380	13	µg/Kg-dry	1	01/26/06 1:32
Butyl benzyl phthalate	ND		380	2.5	µg/Kg-dry	1	01/26/06 1:32
Chrysene	420		380	1.8	µg/Kg-dry	1	01/26/06 1:32
Di-n-butyl phthalate	ND		380	3.2	µg/Kg-dry	1	01/26/06 1:32
Di-n-octyl phthalate	ND		380	1.8	µg/Kg-dry	1	01/26/06 1:32
Dibenz[a,h]anthracene	69	J	380	1.6	µg/Kg-dry	1	01/26/06 1:32
Dibenzofuran	45	J	380	1.7	µg/Kg-dry	1	01/26/06 1:32
Diethyl phthalate	ND		380	2.8	µg/Kg-dry	1	01/26/06 1:32
Dimethyl phthalate	ND		380	2.0	µg/Kg-dry	1	01/26/06 1:32
Fluoranthene	550		380	1.8	µg/Kg-dry	1	01/26/06 1:32
Fluorene	42	J	380	1.9	µg/Kg-dry	1	01/26/06 1:32
Hexachlorobenzene	ND		380	3.1	µg/Kg-dry	1	01/26/06 1:32
Hexachlorobutadiene	ND		380	4.1	µg/Kg-dry	1	01/26/06 1:32
Hexachlorocyclopentadiene	ND		380	15	µg/Kg-dry	1	01/26/06 1:32
Hexachloroethane	ND		380	4.2	µg/Kg-dry	1	01/26/06 1:32
Indeno[1,2,3-cd]pyrene	170	J	380	1.6	µg/Kg-dry	1	01/26/06 1:32
Isophorone	ND		380	1.9	µg/Kg-dry	1	01/26/06 1:32
N-Nitroso-di-n-propylamine	ND		380	3.3	µg/Kg-dry	1	01/26/06 1:32
N-Nitrosodiphenylamine	ND		380	1.8	µg/Kg-dry	1	01/26/06 1:32
Naphthalene	84	J	380	1.2	µg/Kg-dry	1	01/26/06 1:32
Nitrobenzene	ND		380	2.3	µg/Kg-dry	1	01/26/06 1:32
Pentachlorophenol	ND		1900	32	µg/Kg-dry	1	01/26/06 1:32
Phenanthrene	400		380	1.4	µg/Kg-dry	1	01/26/06 1:32
Phenol	ND		380	1.6	µg/Kg-dry	1	01/26/06 1:32
Pyrene	520		380	1.9	µg/Kg-dry	1	01/26/06 1:32
Surr: 2,4,6-Tribromophenol	117		20-143	0	%REC	1	01/26/06 1:32
Surr: 2-Fluorobiphenyl	86.1		46-130	0	%REC	1	01/26/06 1:32
Surr: 2-Fluorophenol	70.9		22-130	0	%REC	1	01/26/06 1:32
Surr: Nitrobenzene-d5	76.8		39-130	0	%REC	1	01/26/06 1:32

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:18:39 A

Sample Size: 30 g

%Moisture: 14.3

TestCode: 8270S TAGML

Lab ID: 0601049-006B

Client Sample ID: BH-22-D

Collection Date: 01/10/06 13:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3888.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr. Phenol-d5	70.6	33-130	0	%REC	1		01/26/06 1:32
Surr. Terphenyl-d14	103	36-146	0	%REC	1		01/26/06 1:32

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 02/10/06 9:27:08 A

Sample Size: 30 g

%Moisture: 6.2

TestCode: 8270S TAGML

Lab ID: 0601049-007B

Client Sample ID: BH-23-S

Collection Date: 01/10/06 14:00

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4500

FileID: 1-SAMP-N4003.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		1800	14	µg/Kg-dry	1	02/10/06 8:34
1,2-Dichlorobenzene	ND		1800	12	µg/Kg-dry	1	02/10/06 8:34
1,3-Dichlorobenzene	ND		1800	8.4	µg/Kg-dry	1	02/10/06 8:34
1,4-Dichlorobenzene	ND		1800	10	µg/Kg-dry	1	02/10/06 8:34
2,4,5-Trichlorophenol	ND		8900	170	µg/Kg-dry	1	02/10/06 8:34
2,4,8-Trichlorophenol	ND		1800	16	µg/Kg-dry	1	02/10/06 8:34
2,4-Dichlorophenol	ND		1800	16	µg/Kg-dry	1	02/10/06 8:34
2,4-Dimethylphenol	ND		1800	15	µg/Kg-dry	1	02/10/06 8:34
2,4-Dinitrophenol	ND		8900	320	µg/Kg-dry	1	02/10/06 8:34
2,4-Dinitrotoluene	ND		1800	15	µg/Kg-dry	1	02/10/06 8:34
2,6-Dinitrotoluene	ND		1800	17	µg/Kg-dry	1	02/10/06 8:34
2-Chloronaphthalene	ND		1800	8.4	µg/Kg-dry	1	02/10/06 8:34
2-Chlorophenol	ND		1800	12	µg/Kg-dry	1	02/10/06 8:34
2-Methylnaphthalene	1100 J		1800	8.5	µg/Kg-dry	1	02/10/06 8:34
2-Methylphenol	ND		1800	11	µg/Kg-dry	1	02/10/06 8:34
2-Nitroaniline	ND		8900	19	µg/Kg-dry	1	02/10/06 8:34
2-Nitrophenol	ND		1800	20	µg/Kg-dry	1	02/10/06 8:34
3,3'-Dichlorobenzidine	ND		3500	43	µg/Kg-dry	1	02/10/06 8:34
3-Nitroaniline	ND		8900	60	µg/Kg-dry	1	02/10/06 8:34
4,6-Dinitro-2-methylphenol	ND		8900	140	µg/Kg-dry	1	02/10/06 8:34
4-Bromophenyl phenyl ether	ND		1800	12	µg/Kg-dry	1	02/10/06 8:34
4-Chloro-3-methylphenol	ND		1800	14	µg/Kg-dry	1	02/10/06 8:34
4-Chloroaniline	ND		1800	22	µg/Kg-dry	1	02/10/06 8:34
4-Chlorophenyl phenyl ether	ND		1800	13	µg/Kg-dry	1	02/10/06 8:34
4-Methylphenol	ND		1800	10	µg/Kg-dry	1	02/10/06 8:34
4-Nitroaniline	ND		8900	29	µg/Kg-dry	1	02/10/06 8:34
4-Nitrophenol	ND		8900	70	µg/Kg-dry	1	02/10/06 8:34
Acenaphthene	ND		1800	6.2	µg/Kg-dry	1	02/10/06 8:34
Acenaphthylene	ND		1800	7.9	µg/Kg-dry	1	02/10/06 8:34
Aniline	ND		1800	22	µg/Kg-dry	1	02/10/06 8:34
Anthracene	ND		1800	7.2	µg/Kg-dry	1	02/10/06 8:34
Benzo[a]anthracene	320 J		1800	7.5	µg/Kg-dry	1	02/10/06 8:34
Benzo[a]pyrene	320 J		1800	8.8	µg/Kg-dry	1	02/10/06 8:34
Benzo[b]fluoranthene	690 J		1800	13	µg/Kg-dry	1	02/10/06 8:34
Benzo[g,h,i]perylene	230 J		1800	9.0	µg/Kg-dry	1	02/10/06 8:34

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 02/10/06 9:47

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 02/10/06 9:27:08 A

Sample Size: 30 g

%Moisture: 6.2

TestCode: 8270S TAGML

Lab ID: 0601049-007B

Client Sample ID: BH-23-S

Collection Date: 01/10/06 14:00

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4500

FileID: 1-SAMP-N4003.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	180	J	1800	11	µg/Kg-dry	1	02/10/06 8:34
Benzoic acid	ND		8900	560	µg/Kg-dry	1	02/10/06 8:34
Benzyl alcohol	ND		1800	20	µg/Kg-dry	1	02/10/06 8:34
bis(2-Chloroethoxy)methane	ND		1800	6.8	µg/Kg-dry	1	02/10/08 8:34
bis(2-chloroethyl)ether	ND		1800	10	µg/Kg-dry	1	02/10/06 8:34
bis(2-chloroisopropyl)ether	ND		1800	10	µg/Kg-dry	1	02/10/06 8:34
bis(2-Ethylhexyl)phthalate	ND		1800	58	µg/Kg-dry	1	02/10/06 8:34
Butyl benzyl phthalate	ND		1800	12	µg/Kg-dry	1	02/10/06 8:34
Chrysene	540	J	1800	8.4	µg/Kg-dry	1	02/10/06 8:34
Di-n-butyl phthalate	ND		1800	15	µg/Kg-dry	1	02/10/06 8:34
Di-n-octyl phthalate	ND		1800	8.4	µg/Kg-dry	1	02/10/06 8:34
Dibenz[a,h]anthracene	ND		1800	7.1	µg/Kg-dry	1	02/10/06 8:34
Dibenzofuran	ND		1800	7.7	µg/Kg-dry	1	02/10/06 8:34
Diethyl phthalate	ND		1800	13	µg/Kg-dry	1	02/10/06 8:34
Dimethyl phthalate	ND		1800	9.1	µg/Kg-dry	1	02/10/06 8:34
Fluoranthene	400	J	1800	8.2	µg/Kg-dry	1	02/10/06 8:34
Fluorene	ND		1800	8.8	µg/Kg-dry	1	02/10/06 8:34
Hexachlorobenzene	ND		1800	14	µg/Kg-dry	1	02/10/06 8:34
Hexachlorobutadiene	ND		1800	19	µg/Kg-dry	1	02/10/08 8:34
Hexachlorocyclopentadiene	ND		1800	68	µg/Kg-dry	1	02/10/06 8:34
Hexachloroethane	ND		1800	19	µg/Kg-dry	1	02/10/06 8:34
Indeno[1,2,3-cd]pyrene	ND		1800	7.1	µg/Kg-dry	1	02/10/06 8:34
Isophorone	ND		1800	8.5	µg/Kg-dry	1	02/10/06 8:34
N-Nitroso-di-n-propylamine	ND		1800	15	µg/Kg-dry	1	02/10/06 8:34
N-Nitrosodiphenylamine	ND		1800	8.4	µg/Kg-dry	1	02/10/06 8:34
Naphthalene	320	J	1800	5.3	µg/Kg-dry	1	02/10/06 8:34
Nitrobenzene	ND		1800	11	µg/Kg-dry	1	02/10/06 8:34
Pentachlorophenol	ND		8900	150	µg/Kg-dry	1	02/10/06 8:34
Phenanthrene	900	J	1800	6.3	µg/Kg-dry	1	02/10/06 8:34
Phenol	ND		1800	7.2	µg/Kg-dry	1	02/10/06 8:34
Pyrene	560	J	1800	8.5	µg/Kg-dry	1	02/10/06 8:34
Surr: 2,4,6-Tribromophenol	79.4		20-143	0	%REC	1	02/10/06 8:34
Surr: 2-Fluorobiphenyl	103		46-130	0	%REC	1	02/10/06 8:34
Surr: 2-Fluorophenol	94.3		22-130	0	%REC	1	02/10/06 8:34
Surr: Nitrobenzene-d5	98.6		39-130	0	%REC	1	02/10/06 8:34

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 02/10/06 9:27:08 A

Sample Size: 30 g

%Moisture: 6.2

TestCode: 8270S TAGML

Lab ID: 0601049-007B

Client Sample ID: BH-23-S

Collection Date: 01/10/06 14:00

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4500

FileID: 1-SAMP-N4003.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	94.9		33-130	0	%REC	1	02/10/06 8:34
Surr: Terphenyl-d14	121		36-146	0	%REC	1	02/10/06 8:34

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 02/10/06 9:47

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.7

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-008B

Client Sample ID: BH-24-S

Collection Date: 01/11/06 9:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3889.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		410	3.3	µg/Kg-dry	1	01/26/06 2:10
1,2-Dichlorobenzene	ND		410	2.9	µg/Kg-dry	1	01/26/06 2:10
1,3-Dichlorobenzene	ND		410	2.0	µg/Kg-dry	1	01/26/06 2:10
1,4-Dichlorobenzene	ND		410	2.4	µg/Kg-dry	1	01/26/06 2:10
2,4,5-Trichlorophenol	ND		2100	41	µg/Kg-dry	1	01/26/06 2:10
2,4,6-Trichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/26/06 2:10
2,4-Dichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/26/06 2:10
2,4-Dimethylphenol	ND		410	3.5	µg/Kg-dry	1	01/26/06 2:10
2,4-Dinitrophenol	ND		2100	75	µg/Kg-dry	1	01/26/06 2:10
2,4-Dinitrotoluene	ND		410	3.4	µg/Kg-dry	1	01/26/06 2:10
2,6-Dinitrotoluene	ND		410	4.0	µg/Kg-dry	1	01/26/06 2:10
2-Chloronaphthalene	ND		410	2.0	µg/Kg-dry	1	01/26/06 2:10
2-Chlorophenol	ND		410	2.7	µg/Kg-dry	1	01/26/06 2:10
2-Methylnaphthalene	350 J		410	2.0	µg/Kg-dry	1	01/26/06 2:10
2-Methylphenol	ND		410	2.5	µg/Kg-dry	1	01/26/06 2:10
2-Nitroaniline	ND		2100	4.4	µg/Kg-dry	1	01/26/06 2:10
2-Nitrophenol	ND		410	4.7	µg/Kg-dry	1	01/26/06 2:10
3,3'-Dichlorobenzidine	ND		820	10	µg/Kg-dry	1	01/26/06 2:10
3-Nitroaniline	ND		2100	14	µg/Kg-dry	1	01/26/06 2:10
4,6-Dinitro-2-methylphenol	ND		2100	34	µg/Kg-dry	1	01/26/06 2:10
4-Bromophenyl phenyl ether	ND		410	2.9	µg/Kg-dry	1	01/26/06 2:10
4-Chloro-3-methylphenol	ND		410	3.3	µg/Kg-dry	1	01/26/06 2:10
4-Chloroaniline	ND		410	5.0	µg/Kg-dry	1	01/26/06 2:10
4-Chlorophenyl phenyl ether	ND		410	3.2	µg/Kg-dry	1	01/26/06 2:10
4-Methylphenol	ND		410	2.4	µg/Kg-dry	1	01/26/06 2:10
4-Nitroaniline	ND		2100	6.9	µg/Kg-dry	1	01/26/06 2:10
4-Nitrophenol	ND		2100	16	µg/Kg-dry	1	01/26/06 2:10
Acenaphthene	120 J		410	1.5	µg/Kg-dry	1	01/26/06 2:10
Acenaphthylene	220 J		410	1.8	µg/Kg-dry	1	01/26/06 2:10
Aniline	ND		410	5.1	µg/Kg-dry	1	01/26/06 2:10
Anthracene	540		410	1.7	µg/Kg-dry	1	01/26/06 2:10
Benzo[a]anthracene	1600		410	1.8	µg/Kg-dry	1	01/26/06 2:10
Benzo[a]pyrene	1600		410	2.1	µg/Kg-dry	1	01/26/06 2:10
Benzo[b]fluoranthene	2400		410	3.0	µg/Kg-dry	1	01/26/06 2:10
Benzo[g,h,i]perylene	820		410	2.1	µg/Kg-dry	1	01/26/06 2:10

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.7

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-008B

Client Sample ID: BH-24-S

Collection Date: 01/11/06 9:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: 1-SAMP-N3889.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	920	410		2.7	µg/Kg-dry	1	01/26/06 2:10
Benzoic acid	ND	2100		130	µg/Kg-dry	1	01/26/06 2:10
Benzyl alcohol	ND	410		4.6	µg/Kg-dry	1	01/26/06 2:10
bis(2-Chloroethoxy)methane	ND	410		1.6	µg/Kg-dry	1	01/26/06 2:10
bis(2-chloroethyl)ether	ND	410		2.4	µg/Kg-dry	1	01/26/06 2:10
bis(2-chloroisopropyl)ether	ND	410		2.4	µg/Kg-dry	1	01/26/06 2:10
bis(2-Ethylhexyl)phthalate	260 J	410		14	µg/Kg-dry	1	01/26/06 2:10
Butyl benzyl phthalate	ND	410		2.7	µg/Kg-dry	1	01/26/06 2:10
Chrysene	1700	410		2.0	µg/Kg-dry	1	01/26/06 2:10
Di-n-butyl phthalate	ND	410		3.4	µg/Kg-dry	1	01/26/06 2:10
Di-n-octyl phthalate	ND	410		2.0	µg/Kg-dry	1	01/26/06 2:10
Dibenz[a,h]anthracene	270 J	410		1.7	µg/Kg-dry	1	01/26/06 2:10
Dibenzofuran	270 J	410		1.8	µg/Kg-dry	1	01/26/06 2:10
Diethyl phthalate	ND	410		3.0	µg/Kg-dry	1	01/26/06 2:10
Dimethyl phthalate	ND	410		2.1	µg/Kg-dry	1	01/26/06 2:10
Fluoranthene	2900	410		1.9	µg/Kg-dry	1	01/26/06 2:10
Fluorene	220 J	410		2.1	µg/Kg-dry	1	01/26/06 2:10
Hexachlorobenzene	ND	410		3.3	µg/Kg-dry	1	01/26/06 2:10
Hexachlorobutadiene	ND	410		4.4	µg/Kg-dry	1	01/26/06 2:10
Hexachlorocyclopentadiene	ND	410		16	µg/Kg-dry	1	01/26/06 2:10
Hexachloroethane	ND	410		4.4	µg/Kg-dry	1	01/26/06 2:10
Indeno[1,2,3-cd]pyrene	490	410		1.7	µg/Kg-dry	1	01/26/06 2:10
Isophorone	ND	410		2.0	µg/Kg-dry	1	01/26/06 2:10
N-Nitroso-di-n-propylamine	ND	410		3.5	µg/Kg-dry	1	01/26/06 2:10
N-Nitrosodiphenylamine	ND	410		2.0	µg/Kg-dry	1	01/26/06 2:10
Naphthalene	330 J	410		1.2	µg/Kg-dry	1	01/26/06 2:10
Nitrobenzene	ND	410		2.5	µg/Kg-dry	1	01/26/06 2:10
Pentachlorophenol	ND	2100		34	µg/Kg-dry	1	01/26/06 2:10
Phenanthrene	2300	410		1.5	µg/Kg-dry	1	01/26/06 2:10
Phenol	55 J	410		1.7	µg/Kg-dry	1	01/26/06 2:10
Pyrene	3200	410		2.0	µg/Kg-dry	1	01/26/06 2:10
Surr: 2,4,6-Tribromophenol	104	20-143		0	%REC	1	01/26/06 2:10
Surr: 2-Fluorobiphenyl	82.6	46-130		0	%REC	1	01/26/06 2:10
Surr: 2-Fluorophenol	66.0	22-130		0	%REC	1	01/26/06 2:10
Surr: Nitrobenzene-d5	70.3	39-130		0	%REC	1	01/26/06 2:10

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.7

Revision: 01/31/06 10:18:39 A

TestCode: 8270S TAGML

Lab ID: 0601049-008B

Client Sample ID: BH-24-S

Collection Date: 01/11/06 9:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4378

FileID: I-SAMP-N3889.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	66.1	33-130	0	%REC	1		01/26/06 2:10
Surr: Terphenyl-d14	118	36-146	0	%REC	1		01/26/06 2:10

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.7

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-008B

Client Sample ID: BH-24-S

Collection Date: 01/11/06 9:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3959.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		410	3.3	µg/Kg-dry	1	01/31/06 2:10
1,2-Dichlorobenzene	ND		410	2.9	µg/Kg-dry	1	01/31/06 2:10
1,3-Dichlorobenzene	ND		410	2.0	µg/Kg-dry	1	01/31/06 2:10
1,4-Dichlorobenzene	ND		410	2.4	µg/Kg-dry	1	01/31/06 2:10
2,4,5-Trichlorophenol	ND		2100	41	µg/Kg-dry	1	01/31/06 2:10
2,4,6-Trichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/31/06 2:10
2,4-Dichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/31/06 2:10
2,4-Dimethylphenol	ND		410	3.5	µg/Kg-dry	1	01/31/06 2:10
2,4-Dinitrophenol	ND		2100	75	µg/Kg-dry	1	01/31/06 2:10
2,4-Dinitrotoluene	ND		410	3.4	µg/Kg-dry	1	01/31/06 2:10
2,6-Dinitrotoluene	ND		410	4.0	µg/Kg-dry	1	01/31/06 2:10
2-Chloronaphthalene	ND		410	2.0	µg/Kg-dry	1	01/31/06 2:10
2-Chlorophenol	ND		410	2.7	µg/Kg-dry	1	01/31/06 2:10
2-Methylnaphthalene	320 J		410	2.0	µg/Kg-dry	1	01/31/06 2:10
2-Methylphenol	ND		410	2.5	µg/Kg-dry	1	01/31/06 2:10
2-Nitroaniline	ND		2100	4.4	µg/Kg-dry	1	01/31/06 2:10
2-Nitrophenol	ND		410	4.7	µg/Kg-dry	1	01/31/06 2:10
3,3'-Dichlorobenzidine	ND		820	10	µg/Kg-dry	1	01/31/06 2:10
3-Nitroaniline	ND		2100	14	µg/Kg-dry	1	01/31/06 2:10
4,6-Dinitro-2-methylphenol	ND		2100	34	µg/Kg-dry	1	01/31/06 2:10
4-Bromophenyl phenyl ether	ND		410	2.9	µg/Kg-dry	1	01/31/06 2:10
4-Chloro-3-methylphenol	ND		410	3.3	µg/Kg-dry	1	01/31/06 2:10
4-Chloroaniline	ND		410	5.0	µg/Kg-dry	1	01/31/06 2:10
4-Chlorophenyl phenyl ether	ND		410	3.2	µg/Kg-dry	1	01/31/06 2:10
4-Methylphenol	ND		410	2.4	µg/Kg-dry	1	01/31/06 2:10
4-Nitroaniline	ND		2100	6.9	µg/Kg-dry	1	01/31/06 2:10
4-Nitrophenol	ND		2100	16	µg/Kg-dry	1	01/31/06 2:10
Acenaphthene	120 J		410	1.5	µg/Kg-dry	1	01/31/06 2:10
Acenaphthylene	190 J		410	1.8	µg/Kg-dry	1	01/31/06 2:10
Aniline	ND		410	5.1	µg/Kg-dry	1	01/31/06 2:10
Anthracene	520		410	1.7	µg/Kg-dry	1	01/31/06 2:10
Benzo[a]anthracene	1600		410	1.8	µg/Kg-dry	1	01/31/06 2:10
Benzo[a]pyrene	1700		410	2.1	µg/Kg-dry	1	01/31/06 2:10
Benzo[b]fluoranthene	2600		410	3.0	µg/Kg-dry	1	01/31/06 2:10
Benzo[g,h,i]perylene	850		410	2.1	µg/Kg-dry	1	01/31/06 2:10

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.7

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-008B

Client Sample ID: BH-24-S

Collection Date: 01/11/06 9:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: I-RA-N3959.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	730	410		2.7	µg/Kg-dry	1	01/31/06 2:10
Benzoic acid	ND	2100		130	µg/Kg-dry	1	01/31/06 2:10
Benzyl alcohol	ND	410		4.6	µg/Kg-dry	1	01/31/06 2:10
bis(2-Chloroethoxy)methane	ND	410		1.6	µg/Kg-dry	1	01/31/06 2:10
bis(2-chloroethyl)ether	ND	410		2.4	µg/Kg-dry	1	01/31/06 2:10
bis(2-chloroisopropyl)ether	ND	410		2.4	µg/Kg-dry	1	01/31/06 2:10
bis(2-Ethylhexyl)phthalate	290 J	410		14	µg/Kg-dry	1	01/31/06 2:10
Butyl benzyl phthalate	ND	410		2.7	µg/Kg-dry	1	01/31/06 2:10
Chrysene	1600	410		2.0	µg/Kg-dry	1	01/31/06 2:10
Di-n-butyl phthalate	ND	410		3.4	µg/Kg-dry	1	01/31/06 2:10
Di-n-octyl phthalate	ND	410		2.0	µg/Kg-dry	1	01/31/06 2:10
Dibenz[a,h]anthracene	240 J	410		1.7	µg/Kg-dry	1	01/31/06 2:10
Dibenzofuran	240 J	410		1.8	µg/Kg-dry	1	01/31/06 2:10
Diethyl phthalate	ND	410		3.0	µg/Kg-dry	1	01/31/06 2:10
Dimethyl phthalate	ND	410		2.1	µg/Kg-dry	1	01/31/06 2:10
Fluoranthene	2900	410		1.9	µg/Kg-dry	1	01/31/06 2:10
Fluorene	210 J	410		2.1	µg/Kg-dry	1	01/31/06 2:10
Hexachlorobenzene	ND	410		3.3	µg/Kg-dry	1	01/31/06 2:10
Hexachlorobutadiene	ND	410		4.4	µg/Kg-dry	1	01/31/06 2:10
Hexachlorocyclopentadiene	ND	410		16	µg/Kg-dry	1	01/31/06 2:10
Hexachloroethane	ND	410		4.4	µg/Kg-dry	1	01/31/06 2:10
Indeno[1,2,3-cd]pyrene	410 J	410		1.7	µg/Kg-dry	1	01/31/06 2:10
Isophorone	ND	410		2.0	µg/Kg-dry	1	01/31/06 2:10
N-Nitroso-di-n-propylamine	ND	410		3.5	µg/Kg-dry	1	01/31/06 2:10
N-Nitrosodiphenylamine	ND	410		2.0	µg/Kg-dry	1	01/31/06 2:10
Naphthalene	300 J	410		1.2	µg/Kg-dry	1	01/31/06 2:10
Nitrobenzene	ND	410		2.5	µg/Kg-dry	1	01/31/06 2:10
Pentachlorophenol	ND	2100		34	µg/Kg-dry	1	01/31/06 2:10
Phenanthrene	2400	410		1.5	µg/Kg-dry	1	01/31/06 2:10
Phenol	45 J	410		1.7	µg/Kg-dry	1	01/31/06 2:10
Pyrene	3400	410		2.0	µg/Kg-dry	1	01/31/06 2:10
Surr: 2,4,6-Tribromophenol	106	20-143		0	%REC	1	01/31/06 2:10
Surr: 2-Fluorobiphenyl	91.9	46-130		0	%REC	1	01/31/06 2:10
Surr: 2-Fluorophenol	64.6	22-130		0	%REC	1	01/31/06 2:10
Surr: Nitrobenzene-d5	75.9	39-130		0	%REC	1	01/31/06 2:10

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.7

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-008B

Client Sample ID: BH-24-S

Collection Date: 01/11/06 9:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3959.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	61.8		33-130	0	%REC	1	01/31/06 2:10
Surr: Terphenyl-d14	129		36-146	0	%REC	1	01/31/06 2:10

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 28.5

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-009B

Client Sample ID: BH-24-D

Collection Date: 01/11/06 9:50

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3927.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		460	3.7	µg/Kg-dry	1	01/27/06 19:01
1,2-Dichlorobenzene	ND		460	3.3	µg/Kg-dry	1	01/27/06 19:01
1,3-Dichlorobenzene	ND		460	2.2	µg/Kg-dry	1	01/27/06 19:01
1,4-Dichlorobenzene	ND		460	2.6	µg/Kg-dry	1	01/27/06 19:01
2,4,5-Trichlorophenol	ND		2300	46	µg/Kg-dry	1	01/27/06 19:01
2,4,6-Trichlorophenol	ND		460	4.3	µg/Kg-dry	1	01/27/06 19:01
2,4-Dichlorophenol	ND		460	4.3	µg/Kg-dry	1	01/27/06 19:01
2,4-Dimethylphenol	ND		460	3.9	µg/Kg-dry	1	01/27/06 19:01
2,4-Dinitrophenol	ND		2300	84	µg/Kg-dry	1	01/27/06 19:01
2,4-Dinitrotoluene	ND		460	3.9	µg/Kg-dry	1	01/27/06 19:01
2,6-Dinitrotoluene	ND		460	4.5	µg/Kg-dry	1	01/27/06 19:01
2-Chloronaphthalene	ND		460	2.2	µg/Kg-dry	1	01/27/06 19:01
2-Chlorophenol	ND		460	3.0	µg/Kg-dry	1	01/27/06 19:01
2-Methylnaphthalene	ND		460	2.2	µg/Kg-dry	1	01/27/06 19:01
2-Methylphenol	ND		460	2.9	µg/Kg-dry	1	01/27/06 19:01
2-Nitroaniline	ND		2300	4.9	µg/Kg-dry	1	01/27/06 19:01
2-Nitrophenol	ND		460	5.3	µg/Kg-dry	1	01/27/06 19:01
3,3'-Dichlorobenzidine	ND		920	11	µg/Kg-dry	1	01/27/06 19:01
3-Nitroaniline	ND		2300	16	µg/Kg-dry	1	01/27/06 19:01
4,6-Dinitro-2-methylphenol	ND		2300	36	µg/Kg-dry	1	01/27/06 19:01
4-Bromophenyl phenyl ether	ND		460	3.2	µg/Kg-dry	1	01/27/06 19:01
4-Chloro-3-methylphenol	ND		460	3.7	µg/Kg-dry	1	01/27/06 19:01
4-Chloroaniline	ND		460	5.7	µg/Kg-dry	1	01/27/06 19:01
4-Chlorophenyl phenyl ether	ND		460	3.5	µg/Kg-dry	1	01/27/06 19:01
4-Methylphenol	ND		460	2.7	µg/Kg-dry	1	01/27/06 19:01
4-Nitroaniline	ND		2300	7.7	µg/Kg-dry	1	01/27/06 19:01
4-Nitrophenol	ND		2300	18	µg/Kg-dry	1	01/27/06 19:01
Acenaphthene	100 J		460	1.6	µg/Kg-dry	1	01/27/06 19:01
Acenaphthylene	280 J		460	2.1	µg/Kg-dry	1	01/27/06 19:01
Aniline	ND		460	5.7	µg/Kg-dry	1	01/27/06 19:01
Anthracene	960		460	1.9	µg/Kg-dry	1	01/27/06 19:01
Benzo[a]anthracene	3100		460	2.0	µg/Kg-dry	1	01/27/06 19:01
Benzo[a]pyrene	2600		460	2.3	µg/Kg-dry	1	01/27/06 19:01
Benzo[b]fluoranthene	2700		460	3.4	µg/Kg-dry	1	01/27/06 19:01
Benzo[g,h,i]perylene	1100		460	2.3	µg/Kg-dry	1	01/27/06 19:01

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 28.5

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-009B

Client Sample ID: BH-24-D

Collection Date: 01/11/06 9:50

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3927.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	1100	460		3.0	µg/Kg-dry	1	01/27/06 19:01
Benzoic acid	ND	2300		150	µg/Kg-dry	1	01/27/06 19:01
Benzyl alcohol	ND	460		5.1	µg/Kg-dry	1	01/27/06 19:01
bis(2-Chloroethoxy)methane	ND	460		1.8	µg/Kg-dry	1	01/27/06 19:01
bis(2-chloroethyl)ether	ND	460		2.6	µg/Kg-dry	1	01/27/06 19:01
bis(2-chloroisopropyl)ether	ND	460		2.6	µg/Kg-dry	1	01/27/06 19:01
bis(2-Ethylhexyl)phthalate	100 J	460		15	µg/Kg-dry	1	01/27/06 19:01
Butyl benzyl phthalate	ND	460		3.0	µg/Kg-dry	1	01/27/06 19:01
Chrysene	3000	460		2.2	µg/Kg-dry	1	01/27/06 19:01
Di-n-butyl phthalate	56 J	460		3.8	µg/Kg-dry	1	01/27/06 19:01
Di-n-octyl phthalate	ND	460		2.2	µg/Kg-dry	1	01/27/06 19:01
Dibenz[a,h]anthracene	280 J	460		1.9	µg/Kg-dry	1	01/27/06 19:01
Dibenzofuran	ND	460		2.0	µg/Kg-dry	1	01/27/06 19:01
Diethyl phthalate	ND	460		3.3	µg/Kg-dry	1	01/27/06 19:01
Dimethyl phthalate	ND	460		2.4	µg/Kg-dry	1	01/27/06 19:01
Fluoranthene	5700	460		2.1	µg/Kg-dry	1	01/27/06 19:01
Fluorene	160 J	460		2.3	µg/Kg-dry	1	01/27/06 19:01
Hexachlorobenzene	ND	460		3.7	µg/Kg-dry	1	01/27/06 19:01
Hexachlorobutadiene	ND	460		4.9	µg/Kg-dry	1	01/27/06 19:01
Hexachlorocyclopentadiene	ND	460		18	µg/Kg-dry	1	01/27/06 19:01
Hexachloroethane	ND	460		5.0	µg/Kg-dry	1	01/27/06 19:01
Indeno[1,2,3-cd]pyrene	780	460		1.9	µg/Kg-dry	1	01/27/06 19:01
Isophorone	ND	460		2.2	µg/Kg-dry	1	01/27/06 19:01
N-Nitroso-di-n-propylamine	ND	460		4.0	µg/Kg-dry	1	01/27/06 19:01
N-Nitrosodiphenylamine	ND	460		2.2	µg/Kg-dry	1	01/27/06 19:01
Naphthalene	ND	460		1.4	µg/Kg-dry	1	01/27/06 19:01
Nitrobenzene	ND	460		2.8	µg/Kg-dry	1	01/27/06 19:01
Pentachlorophenol	ND	2300		38	µg/Kg-dry	1	01/27/06 19:01
Phenanthrene	3300	460		1.7	µg/Kg-dry	1	01/27/06 19:01
Phenol	ND	480		1.9	µg/Kg-dry	1	01/27/06 19:01
Pyrene	6000	460		2.2	µg/Kg-dry	1	01/27/06 19:01
Surr: 2,4,6-Tribromophenol	119	20-143		0	%REC	1	01/27/06 19:01
Surr: 2-Fluorobiphenyl	82.6	46-130		0	%REC	1	01/27/06 19:01
Surr: 2-Fluorophenol	60.4	22-130		0	%REC	1	01/27/06 19:01
Surr: Nitrobenzene-d5	67.8	39-130		0	%REC	1	01/27/06 19:01

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 28.5

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-009B

Client Sample ID: BH-24-D

Collection Date: 01/11/06 9:50

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3927.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr. Phenol-d5	56.4	33-130	0	%REC	1		01/27/06 19:01
Surr. Terphenyl-d14	90.0	36-146	0	%REC	1		01/27/06 19:01

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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Life Science Laboratories, Inc.

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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:20:40 A

Sample Size: 30 g

%Moisture: 19.1

TestCode: 8270S TAGML

Lab ID: 0601049-010B

Client Sample ID: BH-25-S

Collection Date: 01/11/06 12:10

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3936.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		410	3.2	µg/Kg-dry	1	01/28/06 0:38
1,2-Dichlorobenzene	ND		410	2.9	µg/Kg-dry	1	01/28/06 0:38
1,3-Dichlorobenzene	ND		410	2.0	µg/Kg-dry	1	01/28/06 0:38
1,4-Dichlorobenzene	ND		410	2.3	µg/Kg-dry	1	01/28/06 0:38
2,4,5-Trichlorophenol	ND		2100	41	µg/Kg-dry	1	01/28/06 0:38
2,4,6-Trichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/28/06 0:38
2,4-Dichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/28/06 0:38
2,4-Dimethylphenol	ND		410	3.5	µg/Kg-dry	1	01/28/06 0:38
2,4-Dinitrophenol	ND		2100	75	µg/Kg-dry	1	01/28/06 0:38
2,4-Dinitrotoluene	ND		410	3.4	µg/Kg-dry	1	01/28/06 0:38
2,6-Dinitrotoluene	ND		410	3.9	µg/Kg-dry	1	01/28/06 0:38
2-Chloronaphthalene	ND		410	2.0	µg/Kg-dry	1	01/28/06 0:38
2-Chlorophenol	ND		410	2.7	µg/Kg-dry	1	01/28/06 0:38
2-Methylnaphthalene	450		410	2.0	µg/Kg-dry	1	01/28/06 0:38
2-Methylphenol	ND		410	2.5	µg/Kg-dry	1	01/28/06 0:38
2-Nitroaniline	ND		2100	4.3	µg/Kg-dry	1	01/28/06 0:38
2-Nitrophenol	ND		410	4.7	µg/Kg-dry	1	01/28/06 0:38
3,3'-Dichlorobenzidine	ND		820	10	µg/Kg-dry	1	01/28/06 0:38
3-Nitroaniline	ND		2100	14	µg/Kg-dry	1	01/28/06 0:38
4,6-Dinitro-2-methylphenol	ND		2100	33	µg/Kg-dry	1	01/28/06 0:38
4-Bromophenyl phenyl ether	ND		410	2.9	µg/Kg-dry	1	01/28/06 0:38
4-Chloro-3-methylphenol	ND		410	3.3	µg/Kg-dry	1	01/28/06 0:38
4-Chloroaniline	ND		410	5.0	µg/Kg-dry	1	01/28/06 0:38
4-Chlorophenyl phenyl ether	ND		410	3.1	µg/Kg-dry	1	01/28/06 0:38
4-Methylphenol	63 J		410	2.3	µg/Kg-dry	1	01/28/06 0:38
4-Nitroaniline	ND		2100	6.8	µg/Kg-dry	1	01/28/06 0:38
4-Nitrophenol	ND		2100	16	µg/Kg-dry	1	01/28/06 0:38
Acenaphthene	91 J		410	1.4	µg/Kg-dry	1	01/28/06 0:38
Acenaphthylene	1000		410	1.8	µg/Kg-dry	1	01/28/06 0:38
Aniline	ND		410	5.1	µg/Kg-dry	1	01/28/06 0:38
Anthracene	930		410	1.7	µg/Kg-dry	1	01/28/06 0:38
Benzo[a]anthracene	4900		410	1.7	µg/Kg-dry	1	01/28/06 0:38
Benzo[a]pyrene	5400		410	2.0	µg/Kg-dry	1	01/28/06 0:38
Benzo[b]fluoranthene	8000 E		410	3.0	µg/Kg-dry	1	01/28/06 0:38
Benzo[g,h,i]perylene	2700		410	2.1	µg/Kg-dry	1	01/28/06 0:38

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.1

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-010B

Client Sample ID: BH-25-S

Collection Date: 01/11/06 12:10

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3936.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	2900		410	2.6	µg/Kg-dry	1	01/28/06 0:38
Benzoic acid	ND		2100	130	µg/Kg-dry	1	01/28/06 0:38
Benzyl alcohol	ND		410	4.5	µg/Kg-dry	1	01/28/06 0:38
bis(2-Chloroethoxy)methane	ND		410	1.6	µg/Kg-dry	1	01/28/06 0:38
bis(2-chloroethyl)ether	ND		410	2.3	µg/Kg-dry	1	01/28/06 0:38
bis(2-chloroisopropyl)ether	ND		410	2.3	µg/Kg-dry	1	01/28/06 0:38
bis(2-Ethylhexyl)phthalate	250 J		410	13	µg/Kg-dry	1	01/28/06 0:38
Butyl benzyl phthalate	ND		410	2.7	µg/Kg-dry	1	01/28/06 0:38
Chrysene	5100		410	1.9	µg/Kg-dry	1	01/28/06 0:38
Di-n-butyl phthalate	51 J		410	3.4	µg/Kg-dry	1	01/28/06 0:38
Di-n-octyl phthalate	ND		410	1.9	µg/Kg-dry	1	01/28/06 0:38
Dibenz[a,h]anthracene	970		410	1.6	µg/Kg-dry	1	01/28/06 0:38
Dibenzofuran	310 J		410	1.8	µg/Kg-dry	1	01/28/06 0:38
Diethyl phthalate	ND		410	2.9	µg/Kg-dry	1	01/28/06 0:38
Dimethyl phthalate	ND		410	2.1	µg/Kg-dry	1	01/28/06 0:38
Fluoranthene	6100		410	1.9	µg/Kg-dry	1	01/28/06 0:38
Fluorene	190 J		410	2.0	µg/Kg-dry	1	01/28/06 0:38
Hexachlorobenzene	ND		410	3.3	µg/Kg-dry	1	01/28/06 0:38
Hexachlorobutadiene	ND		410	4.4	µg/Kg-dry	1	01/28/06 0:38
Hexachlorocyclopentadiene	ND		410	16	µg/Kg-dry	1	01/28/06 0:38
Hexachloroethane	ND		410	4.4	µg/Kg-dry	1	01/28/06 0:38
Indeno[1,2,3-cd]pyrene	1700		410	1.6	µg/Kg-dry	1	01/28/06 0:38
Isophorone	ND		410	2.0	µg/Kg-dry	1	01/28/06 0:38
N-Nitroso-di-n-propylamine	ND		410	3.5	µg/Kg-dry	1	01/28/06 0:38
N-Nitrosodiphenylamine	ND		410	1.9	µg/Kg-dry	1	01/28/06 0:38
Naphthalene	600		410	1.2	µg/Kg-dry	1	01/28/06 0:38
Nitrobenzene	ND		410	2.4	µg/Kg-dry	1	01/28/06 0:38
Pentachlorophenol	ND		2100	34	µg/Kg-dry	1	01/28/06 0:38
Phenanthrene	3000		410	1.5	µg/Kg-dry	1	01/28/06 0:38
Phenol	100 J		410	1.7	µg/Kg-dry	1	01/28/06 0:38
Pyrene	8100 E		410	2.0	µg/Kg-dry	1	01/28/06 0:38
Surr: 2,4,6-Tribromophenol	87.5		20-143	0	%REC	1	01/28/06 0:38
Surr: 2-Fluorobiphenyl	79.7		46-130	0	%REC	1	01/28/06 0:38
Surr: 2-Fluorophenol	54.5		22-130	0	%REC	1	01/28/06 0:38
Surr: Nitrobenzene-d5	64.3		39-130	0	%REC	1	01/28/06 0:38

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:20:40 A

Sample Size: 30 g

%Moisture: 19.1

TestCode: 8270S TAGML

Lab ID: 0601049-010B

Client Sample ID: BH-25-S

Collection Date: 01/11/06 12:10

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3936.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	51.6	33-130	0		%REC	1	01/28/06 0:38
Surr: Terphenyl-d14	114	36-146	0		%REC	1	01/28/06 0:38

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.1

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-010B

Client Sample ID: BH-25-S

Collection Date: 01/11/06 12:10

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-DL-N3949.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		1600	13	µg/Kg-dry	4	01/30/06 19:54
1,2-Dichlorobenzene	ND		1600	12	µg/Kg-dry	4	01/30/06 19:54
1,3-Dichlorobenzene	ND		1600	7.8	µg/Kg-dry	4	01/30/06 19:54
1,4-Dichlorobenzene	ND		1600	9.3	µg/Kg-dry	4	01/30/06 19:54
2,4,5-Trichlorophenol	ND		8300	160	µg/Kg-dry	4	01/30/06 19:54
2,4,6-Trichlorophenol	ND		1600	15	µg/Kg-dry	4	01/30/06 19:54
2,4-Dichlorophenol	ND		1600	15	µg/Kg-dry	4	01/30/06 19:54
2,4-Dimethylphenol	ND		1600	14	µg/Kg-dry	4	01/30/06 19:54
2,4-Dinitrophenol	ND		8300	300	µg/Kg-dry	4	01/30/06 19:54
2,4-Dinitrotoluene	ND		1600	14	µg/Kg-dry	4	01/30/06 19:54
2,6-Dinitrotoluene	ND		1600	16	µg/Kg-dry	4	01/30/06 19:54
2-Chloronaphthalene	ND		1600	7.8	µg/Kg-dry	4	01/30/06 19:54
2-Chlorophenol	ND		1600	11	µg/Kg-dry	4	01/30/06 19:54
2-Methylnaphthalene	390 J		1600	7.9	µg/Kg-dry	4	01/30/06 19:54
2-Methylphenol	ND		1600	10	µg/Kg-dry	4	01/30/06 19:54
2-Nitroaniline	ND		8300	17	µg/Kg-dry	4	01/30/06 19:54
2-Nitrophenol	ND		1600	19	µg/Kg-dry	4	01/30/06 19:54
3,3'-Dichlorobenzidine	ND		3300	40	µg/Kg-dry	4	01/30/06 19:54
3-Nitroaniline	ND		8300	56	µg/Kg-dry	4	01/30/06 19:54
4,6-Dinitro-2-methylphenol	ND		8300	130	µg/Kg-dry	4	01/30/06 19:54
4-Bromophenyl phenyl ether	ND		1600	11	µg/Kg-dry	4	01/30/06 19:54
4-Chloro-3-methylphenol	ND		1600	13	µg/Kg-dry	4	01/30/06 19:54
4-Chloroaniline	ND		1600	20	µg/Kg-dry	4	01/30/06 19:54
4-Chlorophenyl phenyl ether	ND		1600	13	µg/Kg-dry	4	01/30/06 19:54
4-Methylphenol	ND		1600	9.4	µg/Kg-dry	4	01/30/06 19:54
4-Nitroaniline	ND		8300	27	µg/Kg-dry	4	01/30/06 19:54
4-Nitrophenol	ND		8300	65	µg/Kg-dry	4	01/30/06 19:54
Acenaphthene	ND		1600	5.8	µg/Kg-dry	4	01/30/06 19:54
Acenaphthylene	870 J		1600	7.3	µg/Kg-dry	4	01/30/06 19:54
Aniline	ND		1600	20	µg/Kg-dry	4	01/30/06 19:54
Anthracene	740 J		1600	6.7	µg/Kg-dry	4	01/30/06 19:54
Benzo[a]anthracene	4600		1600	7.0	µg/Kg-dry	4	01/30/06 19:54
Benzo[a]pyrene	5100		1600	8.2	µg/Kg-dry	4	01/30/06 19:54
Benzo[b]fluoranthene	8000		1600	12	µg/Kg-dry	4	01/30/06 19:54
Benzo[g,h,i]perylene	1900		1600	8.3	µg/Kg-dry	4	01/30/06 19:54

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.1

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-010B

Client Sample ID: BH-25-S

Collection Date: 01/11/06 12:10

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-DL-N3949.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	2100		1600	11	µg/Kg-dry	4	01/30/06 19:54
Benzoic acid	ND		8300	520	µg/Kg-dry	4	01/30/06 19:54
Benzyl alcohol	ND		1600	18	µg/Kg-dry	4	01/30/06 19:54
bis(2-Chloroethoxy)methane	ND		1600	6.3	µg/Kg-dry	4	01/30/06 19:54
bis(2-chloroethyl)ether	ND		1600	9.3	µg/Kg-dry	4	01/30/06 19:54
bis(2-chloroisopropyl)ether	ND		1600	9.3	µg/Kg-dry	4	01/30/06 19:54
bis(2-Ethylhexyl)phthalate	190 J		1600	54	µg/Kg-dry	4	01/30/06 19:54
Butyl benzyl phthalate	ND		1600	11	µg/Kg-dry	4	01/30/06 19:54
Chrysene	4600		1600	7.8	µg/Kg-dry	4	01/30/06 19:54
Di-n-butyl phthalate	ND		1600	14	µg/Kg-dry	4	01/30/06 19:54
Di-n-octyl phthalate	ND		1600	7.8	µg/Kg-dry	4	01/30/06 19:54
Dibenz[a,h]anthracene	660 J		1600	6.6	µg/Kg-dry	4	01/30/06 19:54
Dibenzofuran	290 J		1600	7.2	µg/Kg-dry	4	01/30/06 19:54
Diethyl phthalate	ND		1600	12	µg/Kg-dry	4	01/30/06 19:54
Dimethyl phthalate	ND		1600	8.4	µg/Kg-dry	4	01/30/06 19:54
Fluoranthene	6700		1600	7.6	µg/Kg-dry	4	01/30/06 19:54
Fluorene	170 J		1600	8.2	µg/Kg-dry	4	01/30/06 19:54
Hexachlorobenzene	ND		1600	13	µg/Kg-dry	4	01/30/06 19:54
Hexachlorobutadiene	ND		1600	17	µg/Kg-dry	4	01/30/06 19:54
Hexachlorocyclopentadiene	ND		1600	63	µg/Kg-dry	4	01/30/06 19:54
Hexachloroethane	ND		1600	18	µg/Kg-dry	4	01/30/06 19:54
Indeno[1,2,3-cd]pyrene	1500 J		1600	6.6	µg/Kg-dry	4	01/30/06 19:54
Isophorone	ND		1600	7.9	µg/Kg-dry	4	01/30/06 19:54
N-Nitroso-di-n-propylamine	ND		1600	14	µg/Kg-dry	4	01/30/06 19:54
N-Nitrosodiphenylamine	ND		1600	7.8	µg/Kg-dry	4	01/30/06 19:54
Naphthalene	530 J		1600	4.9	µg/Kg-dry	4	01/30/06 19:54
Nitrobenzene	ND		1600	9.8	µg/Kg-dry	4	01/30/06 19:54
Pentachlorophenol	ND		8300	140	µg/Kg-dry	4	01/30/06 19:54
Phenanthrene	2700		1600	5.9	µg/Kg-dry	4	01/30/06 19:54
Phenol	ND		1600	6.7	µg/Kg-dry	4	01/30/06 19:54
Pyrene	5700		1600	7.9	µg/Kg-dry	4	01/30/06 19:54
Surr: 2,4,6-Tribromophenol	76.3		20-143	0	%REC	4	01/30/06 19:54
Surr: 2-Fluorobiphenyl	70.2		46-130	0	%REC	4	01/30/06 19:54
Surr: 2-Fluorophenol	55.6		22-130	0	%REC	4	01/30/06 19:54
Surr: Nitrobenzene-d5	65.8		39-130	0	%REC	4	01/30/06 19:54

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.1

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-010B

Client Sample ID: BH-25-S

Collection Date: 01/11/06 12:10

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-DL-N3949.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	53.3	33-130	0	%REC	4		01/30/06 19:54
Surr: Terphenyl-d14	70.6	36-146	0	%REC	4		01/30/06 19:54

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.8

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-011B

Client Sample ID: BH-25-D

Collection Date: 01/11/06 12:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3928.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		410	3.3	µg/Kg-dry	1	01/27/06 19:38
1,2-Dichlorobenzene	ND		410	2.9	µg/Kg-dry	1	01/27/06 19:38
1,3-Dichlorobenzene	ND		410	2.0	µg/Kg-dry	1	01/27/06 19:38
1,4-Dichlorobenzene	ND		410	2.4	µg/Kg-dry	1	01/27/06 19:38
2,4,5-Trichlorophenol	ND		2100	41	µg/Kg-dry	1	01/27/06 19:38
2,4,6-Trichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/27/06 19:38
2,4-Dichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/27/06 19:38
2,4-Dimethylphenol	ND		410	3.5	µg/Kg-dry	1	01/27/06 19:38
2,4-Dinitrophenol	ND		2100	75	µg/Kg-dry	1	01/27/06 19:38
2,4-Dinitrotoluene	ND		410	3.4	µg/Kg-dry	1	01/27/06 19:38
2,6-Dinitrotoluene	ND		410	4.0	µg/Kg-dry	1	01/27/06 19:38
2-Chloronaphthalene	ND		410	2.0	µg/Kg-dry	1	01/27/06 19:38
2-Chlorophenol	ND		410	2.7	µg/Kg-dry	1	01/27/06 19:38
2-Methylnaphthalene	99 J		410	2.0	µg/Kg-dry	1	01/27/06 19:38
2-Methylphenol	ND		410	2.5	µg/Kg-dry	1	01/27/06 19:38
2-Nitroaniline	ND		2100	4.4	µg/Kg-dry	1	01/27/06 19:38
2-Nitrophenol	ND		410	4.7	µg/Kg-dry	1	01/27/06 19:38
3,3'-Dichlorobenzidine	ND		820	10	µg/Kg-dry	1	01/27/06 19:38
3-Nitroaniline	ND		2100	14	µg/Kg-dry	1	01/27/06 19:38
4,6-Dinitro-2-methylphenol	ND		2100	34	µg/Kg-dry	1	01/27/06 19:38
4-Bromophenyl phenyl ether	ND		410	2.9	µg/Kg-dry	1	01/27/06 19:38
4-Chloro-3-methylphenol	ND		410	3.3	µg/Kg-dry	1	01/27/06 19:38
4-Chloroaniline	ND		410	5.1	µg/Kg-dry	1	01/27/06 19:38
4-Chlorophenyl phenyl ether	ND		410	3.2	µg/Kg-dry	1	01/27/06 19:38
4-Methylphenol	65 J		410	2.4	µg/Kg-dry	1	01/27/06 19:38
4-Nitroaniline	ND		2100	6.9	µg/Kg-dry	1	01/27/06 19:38
4-Nitrophenol	ND		2100	16	µg/Kg-dry	1	01/27/06 19:38
Acenaphthene	ND		410	1.5	µg/Kg-dry	1	01/27/06 19:38
Acenaphthylene	100 J		410	1.8	µg/Kg-dry	1	01/27/06 19:38
Aniline	ND		410	5.1	µg/Kg-dry	1	01/27/06 19:38
Anthracene	270 J		410	1.7	µg/Kg-dry	1	01/27/06 19:38
Benzo[a]anthracene	650		410	1.8	µg/Kg-dry	1	01/27/06 19:38
Benzo[a]pyrene	590		410	2.1	µg/Kg-dry	1	01/27/06 19:38
Benzo[b]fluoranthene	810		410	3.0	µg/Kg-dry	1	01/27/06 19:38
Benzo[g,h,i]perylene	270 J		410	2.1	µg/Kg-dry	1	01/27/06 19:38

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:20:40 A

Sample Size: 30 g

%Moisture: 19.8

TestCode: 8270S TAGML

Lab ID: 0601049-011B

Client Sample ID: BH-25-D

Collection Date: 01/11/06 12:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3928.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	300	J	410	2.7	µg/Kg-dry	1	01/27/06 19:38
Benzoic acid	ND		2100	130	µg/Kg-dry	1	01/27/06 19:38
Benzyl alcohol	ND		410	4.6	µg/Kg-dry	1	01/27/06 19:38
bis(2-Chloroethoxy)methane	ND		410	1.6	µg/Kg-dry	1	01/27/06 19:38
bis(2-chloroethyl)ether	ND		410	2.4	µg/Kg-dry	1	01/27/06 19:38
bis(2-chloroisopropyl)ether	ND		410	2.4	µg/Kg-dry	1	01/27/06 19:38
bis(2-Ethylhexyl)phthalate	ND		410	14	µg/Kg-dry	1	01/27/06 19:38
Butyl benzyl phthalate	ND		410	2.7	µg/Kg-dry	1	01/27/06 19:38
Chrysene	630		410	2.0	µg/Kg-dry	1	01/27/06 19:38
Di-n-butyl phthalate	ND		410	3.4	µg/Kg-dry	1	01/27/06 19:38
Di-n-octyl phthalate	ND		410	2.0	µg/Kg-dry	1	01/27/06 19:38
Dibenz[a,h]anthracene	77	J	410	1.7	µg/Kg-dry	1	01/27/06 19:38
Dibenzofuran	81	J	410	1.8	µg/Kg-dry	1	01/27/06 19:38
Diethyl phthalate	ND		410	3.0	µg/Kg-dry	1	01/27/06 19:38
Dimethyl phthalate	ND		410	2.1	µg/Kg-dry	1	01/27/06 19:38
Fluoranthene	1500		410	1.9	µg/Kg-dry	1	01/27/06 19:38
Fluorene	69	J	410	2.1	µg/Kg-dry	1	01/27/06 19:38
Hexachlorobenzene	ND		410	3.3	µg/Kg-dry	1	01/27/06 19:38
Hexachlorobutadiene	ND		410	4.4	µg/Kg-dry	1	01/27/06 19:38
Hexachlorocyclopentadiene	ND		410	16	µg/Kg-dry	1	01/27/06 19:38
Hexachloroethane	ND		410	4.5	µg/Kg-dry	1	01/27/06 19:38
Indeno[1,2,3-cd]pyrene	200	J	410	1.7	µg/Kg-dry	1	01/27/06 19:38
Isophorone	ND		410	2.0	µg/Kg-dry	1	01/27/06 19:38
N-Nitroso-di-n-propylamine	ND		410	3.5	µg/Kg-dry	1	01/27/06 19:38
N-Nitrosodiphenylamine	ND		410	2.0	µg/Kg-dry	1	01/27/06 19:38
Naphthalene	160	J	410	1.2	µg/Kg-dry	1	01/27/06 19:38
Nitrobenzene	ND		410	2.5	µg/Kg-dry	1	01/27/06 19:38
Pentachlorophenol	ND		2100	34	µg/Kg-dry	1	01/27/06 19:38
Phenanthrene	1000		410	1.5	µg/Kg-dry	1	01/27/06 19:38
Phenol	ND		410	1.7	µg/Kg-dry	1	01/27/06 19:38
Pyrene	1200		410	2.0	µg/Kg-dry	1	01/27/06 19:38
Surr: 2,4,6-Tribromophenol	130		20-143	0	%REC	1	01/27/06 19:38
Surr: 2-Fluorobiphenyl	95.4		46-130	0	%REC	1	01/27/06 19:38
Surr: 2-Fluorophenol	69.5		22-130	0	%REC	1	01/27/06 19:38
Surr: Nitrobenzene-d5	76.5		39-130	0	%REC	1	01/27/06 19:38

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

156



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.8

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-011B

Client Sample ID: BH-25-D

Collection Date: 01/11/06 12:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3928.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	65.3	33-130	0	%REC	1		01/27/06 19:38
Surr: Terphenyl-d14	99.8	36-146	0	%REC	1		01/27/06 19:38

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.7

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-012B

Client Sample ID: BH-26-S

Collection Date: 01/11/06 12:35

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3929.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		380	3.0	µg/Kg-dry	1	01/27/06 20:16
1,2-Dichlorobenzene	ND		380	2.7	µg/Kg-dry	1	01/27/06 20:16
1,3-Dichlorobenzene	ND		380	1.8	µg/Kg-dry	1	01/27/06 20:16
1,4-Dichlorobenzene	ND		380	2.2	µg/Kg-dry	1	01/27/06 20:16
2,4,5-Trichlorophenol	ND		1900	38	µg/Kg-dry	1	01/27/06 20:16
2,4,6-Trichlorophenol	ND		380	3.5	µg/Kg-dry	1	01/27/06 20:16
2,4-Dichlorophenol	ND		380	3.5	µg/Kg-dry	1	01/27/06 20:16
2,4-Dimethylphenol	ND		380	3.2	µg/Kg-dry	1	01/27/06 20:16
2,4-Dinitrophenol	ND		1900	69	µg/Kg-dry	1	01/27/06 20:16
2,4-Dinitrotoluene	ND		380	3.2	µg/Kg-dry	1	01/27/06 20:16
2,6-Dinitrotoluene	ND		380	3.7	µg/Kg-dry	1	01/27/06 20:16
2-Chloronaphthalene	ND		380	1.8	µg/Kg-dry	1	01/27/06 20:16
2-Chlorophenol	ND		380	2.5	µg/Kg-dry	1	01/27/06 20:16
2-Methylnaphthalene	ND		380	1.8	µg/Kg-dry	1	01/27/06 20:16
2-Methylphenol	ND		380	2.3	µg/Kg-dry	1	01/27/06 20:16
2-Nitroaniline	ND		1900	4.0	µg/Kg-dry	1	01/27/06 20:16
2-Nitrophenol	ND		380	4.4	µg/Kg-dry	1	01/27/06 20:16
3,3'-Dichlorobenzidine	ND		760	9.3	µg/Kg-dry	1	01/27/06 20:16
3-Nitroaniline	ND		1900	13	µg/Kg-dry	1	01/27/06 20:16
4,6-Dinitro-2-methylphenol	ND		1900	31	µg/Kg-dry	1	01/27/06 20:16
4-Bromophenyl phenyl ether	ND		380	2.7	µg/Kg-dry	1	01/27/06 20:16
4-Chloro-3-methylphenol	ND		380	3.0	µg/Kg-dry	1	01/27/06 20:16
4-Chloroaniline	ND		380	4.6	µg/Kg-dry	1	01/27/06 20:16
4-Chlorophenyl phenyl ether	ND		380	2.9	µg/Kg-dry	1	01/27/06 20:16
4-Methylphenol	ND		380	2.2	µg/Kg-dry	1	01/27/06 20:16
4-Nitroaniline	ND		1900	6.3	µg/Kg-dry	1	01/27/06 20:16
4-Nitrophenol	ND		1900	15	µg/Kg-dry	1	01/27/06 20:16
Acenaphthene	ND		380	1.3	µg/Kg-dry	1	01/27/06 20:16
Acenaphthylene	ND		380	1.7	µg/Kg-dry	1	01/27/06 20:16
Aniline	ND		380	4.7	µg/Kg-dry	1	01/27/06 20:16
Anthracene	ND		380	1.5	µg/Kg-dry	1	01/27/06 20:16
Benzo[a]anthracene	44 J		380	1.6	µg/Kg-dry	1	01/27/06 20:16
Benzo[a]pyrene	39 J		380	1.9	µg/Kg-dry	1	01/27/06 20:16
Benzo[b]fluoranthene	62 J		380	2.7	µg/Kg-dry	1	01/27/06 20:16
Benzo[g,h,i]perylene	ND		380	1.9	µg/Kg-dry	1	01/27/06 20:16

Qualifiers:

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.7

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-012B

Client Sample ID: BH-26-S

Collection Date: 01/11/06 12:35

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3929.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		380	2.4	µg/Kg-dry	1	01/27/06 20:16
Benzoic acid	ND		1900	120	µg/Kg-dry	1	01/27/06 20:16
Benzyl alcohol	ND		380	4.2	µg/Kg-dry	1	01/27/06 20:16
bis(2-Chloroethoxy)methane	ND		380	1.5	µg/Kg-dry	1	01/27/06 20:16
bis(2-chloroethyl)ether	ND		380	2.2	µg/Kg-dry	1	01/27/06 20:16
bis(2-chloroisopropyl)ether	ND		380	2.2	µg/Kg-dry	1	01/27/06 20:16
bis(2-Ethylhexyl)phthalate	120 J		380	12	µg/Kg-dry	1	01/27/06 20:16
Butyl benzyl phthalate	ND		380	2.5	µg/Kg-dry	1	01/27/06 20:16
Chrysene	47 J		380	1.8	µg/Kg-dry	1	01/27/06 20:16
Di-n-butyl phthalate	ND		380	3.2	µg/Kg-dry	1	01/27/06 20:16
Di-n-octyl phthalate	ND		380	1.8	µg/Kg-dry	1	01/27/06 20:16
Dibenz[a,h]anthracene	ND		380	1.5	µg/Kg-dry	1	01/27/06 20:16
Dibenzofuran	ND		380	1.7	µg/Kg-dry	1	01/27/06 20:16
Diethyl phthalate	ND		380	2.7	µg/Kg-dry	1	01/27/06 20:16
Dimethyl phthalate	ND		380	1.9	µg/Kg-dry	1	01/27/06 20:16
Fluoranthene	72 J		380	1.8	µg/Kg-dry	1	01/27/06 20:16
Fluorene	ND		380	1.9	µg/Kg-dry	1	01/27/06 20:16
Hexachlorobenzene	ND		380	3.0	µg/Kg-dry	1	01/27/06 20:16
Hexachlorobutadiene	ND		380	4.0	µg/Kg-dry	1	01/27/06 20:16
Hexachlorocyclopentadiene	ND		380	15	µg/Kg-dry	1	01/27/06 20:16
Hexachloroethane	ND		380	4.1	µg/Kg-dry	1	01/27/06 20:16
Indeno[1,2,3-cd]pyrene	ND		380	1.5	µg/Kg-dry	1	01/27/06 20:18
Isophorone	ND		380	1.8	µg/Kg-dry	1	01/27/06 20:16
N-Nitroso-di-n-propylamine	ND		380	3.2	µg/Kg-dry	1	01/27/06 20:16
N-Nitrosodiphenylamine	ND		380	1.8	µg/Kg-dry	1	01/27/06 20:16
Naphthalene	ND		380	1.1	µg/Kg-dry	1	01/27/06 20:16
Nitrobenzene	ND		380	2.3	µg/Kg-dry	1	01/27/06 20:16
Pentachlorophenol	ND		1900	32	µg/Kg-dry	1	01/27/06 20:16
Phenanthrene	54 J		380	1.4	µg/Kg-dry	1	01/27/06 20:16
Phenol	ND		380	1.5	µg/Kg-dry	1	01/27/06 20:16
Pyrene	66 J		380	1.8	µg/Kg-dry	1	01/27/06 20:16
Surr: 2,4,6-Tribromophenol	117		20-143	0	%REC	1	01/27/06 20:16
Surr: 2-Fluorobiphenyl	90.3		46-130	0	%REC	1	01/27/06 20:16
Surr: 2-Fluorophenol	64.2		22-130	0	%REC	1	01/27/06 20:16
Surr: Nitrobenzene-d5	72.0		39-130	0	%REC	1	01/27/06 20:16

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:20:40 A

Sample Size: 30 g

%Moisture: 12.7

TestCode: 8270S TAGML

Lab ID: 0601049-012B

Client Sample ID: BH-26-S

Collection Date: 01/11/06 12:35

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3929.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	60.4		33-130	0	%REC	1	01/27/06 20:16
Surr: Terphenyl-d14	101		36-146	0	%REC	1	01/27/06 20:16

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:20:40 A

Sample Size: 30 g

%Moisture: 24.3

TestCode: 8270S TAGML

Lab ID: 0601049-013B

Client Sample ID: BH-27-S

Collection Date: 01/11/06 13:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3930.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		440	3.5	µg/Kg-dry	1	01/27/06 20:53
1,2-Dichlorobenzene	ND		440	3.1	µg/Kg-dry	1	01/27/06 20:53
1,3-Dichlorobenzene	ND		440	2.1	µg/Kg-dry	1	01/27/06 20:53
1,4-Dichlorobenzene	ND		440	2.5	µg/Kg-dry	1	01/27/06 20:53
2,4,5-Trichlorophenol	ND		2200	43	µg/Kg-dry	1	01/27/06 20:53
2,4,6-Trichlorophenol	ND		440	4.1	µg/Kg-dry	1	01/27/06 20:53
2,4-Dichlorophenol	ND		440	4.0	µg/Kg-dry	1	01/27/06 20:53
2,4-Dimethylphenol	ND		440	3.7	µg/Kg-dry	1	01/27/06 20:53
2,4-Dinitrophenol	ND		2200	80	µg/Kg-dry	1	01/27/06 20:53
2,4-Dinitrotoluene	ND		440	3.6	µg/Kg-dry	1	01/27/06 20:53
2,6-Dinitrotoluene	ND		440	4.2	µg/Kg-dry	1	01/27/06 20:53
2-Chloronaphthalene	ND		440	2.1	µg/Kg-dry	1	01/27/06 20:53
2-Chlorophenol	ND		440	2.9	µg/Kg-dry	1	01/27/06 20:53
2-Methylnaphthalene	73 J		440	2.1	µg/Kg-dry	1	01/27/06 20:53
2-Methylphenol	ND		440	2.7	µg/Kg-dry	1	01/27/06 20:53
2-Nitroaniline	ND		2200	4.6	µg/Kg-dry	1	01/27/06 20:53
2-Nitrophenol	ND		440	5.0	µg/Kg-dry	1	01/27/06 20:53
3,3'-Dichlorobenzidine	ND		870	11	µg/Kg-dry	1	01/27/06 20:53
3-Nitroaniline	ND		2200	15	µg/Kg-dry	1	01/27/06 20:53
4,6-Dinitro-2-methylphenol	ND		2200	36	µg/Kg-dry	1	01/27/06 20:53
4-Bromophenyl phenyl ether	ND		440	3.1	µg/Kg-dry	1	01/27/06 20:53
4-Chloro-3-methylphenol	ND		440	3.5	µg/Kg-dry	1	01/27/06 20:53
4-Chloroaniline	ND		440	5.4	µg/Kg-dry	1	01/27/06 20:53
4-Chlorophenyl phenyl ether	ND		440	3.3	µg/Kg-dry	1	01/27/06 20:53
4-Methylphenol	ND		440	2.5	µg/Kg-dry	1	01/27/06 20:53
4-Nitroaniline	ND		2200	7.3	µg/Kg-dry	1	01/27/06 20:53
4-Nitrophenol	ND		2200	17	µg/Kg-dry	1	01/27/06 20:53
Acenaphthene	ND		440	1.5	µg/Kg-dry	1	01/27/06 20:53
Acenaphthylene	ND		440	2.0	µg/Kg-dry	1	01/27/06 20:53
Aniline	ND		440	5.4	µg/Kg-dry	1	01/27/06 20:53
Anthracene	ND		440	1.8	µg/Kg-dry	1	01/27/06 20:53
Benzo[a]anthracene	100 J		440	1.9	µg/Kg-dry	1	01/27/06 20:53
Benzo[a]pyrene	110 J		440	2.2	µg/Kg-dry	1	01/27/06 20:53
Benzo[b]fluoranthene	190 J		440	3.2	µg/Kg-dry	1	01/27/06 20:53
Benzo[g,h,i]perylene	70 J		440	2.2	µg/Kg-dry	1	01/27/06 20:53

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 24.3

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-013B

Client Sample ID: BH-27-S

Collection Date: 01/11/06 13:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3930.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	61	J	440	2.8	µg/Kg-dry	1	01/27/06 20:53
Benzoic acid	ND		2200	140	µg/Kg-dry	1	01/27/06 20:53
Benzyl alcohol	ND		440	4.9	µg/Kg-dry	1	01/27/06 20:53
bis(2-Chloroethoxy)methane	ND		440	1.7	µg/Kg-dry	1	01/27/06 20:53
bis(2-chloroethyl)ether	ND		440	2.5	µg/Kg-dry	1	01/27/06 20:53
bis(2-chloroisopropyl)ether	ND		440	2.5	µg/Kg-dry	1	01/27/06 20:53
bis(2-Ethylhexyl)phthalate	72	J	440	14	µg/Kg-dry	1	01/27/06 20:53
Butyl benzyl phthalate	ND		440	2.9	µg/Kg-dry	1	01/27/06 20:53
Chrysene	120	J	440	2.1	µg/Kg-dry	1	01/27/06 20:53
Di-n-butyl phthalate	52	J	440	3.6	µg/Kg-dry	1	01/27/06 20:53
Di-n-octyl phthalate	ND		440	2.1	µg/Kg-dry	1	01/27/06 20:53
Dibenz[a,h]anthracene	ND		440	1.8	µg/Kg-dry	1	01/27/06 20:53
Dibenzofuran	ND		440	1.9	µg/Kg-dry	1	01/27/06 20:53
Diethyl phthalate	ND		440	3.1	µg/Kg-dry	1	01/27/06 20:53
Dimethyl phthalate	ND		440	2.2	µg/Kg-dry	1	01/27/06 20:53
Fluoranthene	150	J	440	2.0	µg/Kg-dry	1	01/27/06 20:53
Fluorene	ND		440	2.2	µg/Kg-dry	1	01/27/06 20:53
Hexachlorobenzene	ND		440	3.5	µg/Kg-dry	1	01/27/06 20:53
Hexachlorobutadiene	ND		440	4.7	µg/Kg-dry	1	01/27/06 20:53
Hexachlorocyclopentadiene	ND		440	17	µg/Kg-dry	1	01/27/06 20:53
Hexachloroethane	ND		440	4.7	µg/Kg-dry	1	01/27/06 20:53
Indeno[1,2,3-cd]pyrene	ND		440	1.8	µg/Kg-dry	1	01/27/06 20:53
Isophorone	ND		440	2.1	µg/Kg-dry	1	01/27/06 20:53
N-Nitroso-di-n-propylamine	ND		440	3.7	µg/Kg-dry	1	01/27/06 20:53
N-Nitrosodiphenylamine	ND		440	2.1	µg/Kg-dry	1	01/27/06 20:53
Naphthalene	84	J	440	1.3	µg/Kg-dry	1	01/27/06 20:53
Nitrobenzene	ND		440	2.6	µg/Kg-dry	1	01/27/06 20:53
Pentachlorophenol	ND		2200	36	µg/Kg-dry	1	01/27/06 20:53
Phenanthrene	130	J	440	1.6	µg/Kg-dry	1	01/27/06 20:53
Phenol	ND		440	1.8	µg/Kg-dry	1	01/27/06 20:53
Pyrene	180	J	440	2.1	µg/Kg-dry	1	01/27/06 20:53
Surr: 2,4,6-Tribromophenol	99.9		20-143	0	%REC	1	01/27/06 20:53
Surr: 2-Fluorobiphenyl	86.1		46-130	0	%REC	1	01/27/06 20:53
Surr: 2-Fluorophenol	61.5		22-130	0	%REC	1	01/27/06 20:53
Surr: Nitrobenzene-d5	68.8		39-130	0	%REC	1	01/27/06 20:53

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 24.3

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-013B

Client Sample ID: BH-27-S

Collection Date: 01/11/06 13:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3930.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	58.1		33-130	0	%REC	1	01/27/06 20:53
Surr: Terphenyl-d14	113		36-146	0	%REC	1	01/27/06 20:53

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:37:14 A

Sample Size: 30 g

%Moisture: 24.3

TestCode: 8270S TAGML

Lab ID: 0601049-013B

Client Sample ID: BH-27-S

Collection Date: 01/11/06 13:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3960.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		440	3.5	µg/Kg-dry	1	01/31/06 2:48
1,2-Dichlorobenzene	ND		440	3.1	µg/Kg-dry	1	01/31/06 2:48
1,3-Dichlorobenzene	ND		440	2.1	µg/Kg-dry	1	01/31/06 2:48
1,4-Dichlorobenzene	ND		440	2.5	µg/Kg-dry	1	01/31/06 2:48
2,4,5-Trichlorophenol	ND		2200	43	µg/Kg-dry	1	01/31/06 2:48
2,4,6-Trichlorophenol	ND		440	4.1	µg/Kg-dry	1	01/31/06 2:48
2,4-Dichlorophenol	ND		440	4.0	µg/Kg-dry	1	01/31/06 2:48
2,4-Dimethylphenol	ND		440	3.7	µg/Kg-dry	1	01/31/06 2:48
2,4-Dinitrophenol	ND		2200	80	µg/Kg-dry	1	01/31/06 2:48
2,4-Dinitrotoluene	ND		440	3.6	µg/Kg-dry	1	01/31/06 2:48
2,6-Dinitrotoluene	ND		440	4.2	µg/Kg-dry	1	01/31/06 2:48
2-Chloronaphthalene	ND		440	2.1	µg/Kg-dry	1	01/31/06 2:48
2-Chlorophenol	ND		440	2.9	µg/Kg-dry	1	01/31/06 2:48
2-Methylnaphthalene	64 J		440	2.1	µg/Kg-dry	1	01/31/06 2:48
2-Methylphenol	ND		440	2.7	µg/Kg-dry	1	01/31/06 2:48
2-Nitroaniline	ND		2200	4.6	µg/Kg-dry	1	01/31/06 2:48
2-Nitrophenol	ND		440	5.0	µg/Kg-dry	1	01/31/06 2:48
3,3'-Dichlorobenzidine	ND		870	11	µg/Kg-dry	1	01/31/06 2:48
3-Nitroaniline	ND		2200	15	µg/Kg-dry	1	01/31/06 2:48
4,6-Dinitro-2-methylphenol	ND		2200	36	µg/Kg-dry	1	01/31/06 2:48
4-Bromophenyl phenyl ether	ND		440	3.1	µg/Kg-dry	1	01/31/06 2:48
4-Chloro-3-methylphenol	ND		440	3.5	µg/Kg-dry	1	01/31/06 2:48
4-Chloroaniline	ND		440	5.4	µg/Kg-dry	1	01/31/06 2:48
4-Chlorophenyl phenyl ether	ND		440	3.3	µg/Kg-dry	1	01/31/06 2:48
4-Methylphenol	ND		440	2.5	µg/Kg-dry	1	01/31/06 2:48
4-Nitroaniline	ND		2200	7.3	µg/Kg-dry	1	01/31/06 2:48
4-Nitrophenol	ND		2200	17	µg/Kg-dry	1	01/31/06 2:48
Acenaphthene	ND		440	1.5	µg/Kg-dry	1	01/31/06 2:48
Acenaphthylene	ND		440	2.0	µg/Kg-dry	1	01/31/06 2:48
Aniline	ND		440	5.4	µg/Kg-dry	1	01/31/06 2:48
Anthracene	ND		440	1.8	µg/Kg-dry	1	01/31/06 2:48
Benzo[a]anthracene	93 J		440	1.9	µg/Kg-dry	1	01/31/06 2:48
Benzo[a]pyrene	110 J		440	2.2	µg/Kg-dry	1	01/31/06 2:48
Benzo[b]fluoranthene	190 J		440	3.2	µg/Kg-dry	1	01/31/06 2:48
Benzo[g,h,i]perylene	74 J		440	2.2	µg/Kg-dry	1	01/31/06 2:48

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 24.3

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-013B

Client Sample ID: BH-27-S

Collection Date: 01/11/06 13:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3960.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	45	J	440	2.8	µg/Kg-dry	1	01/31/06 2:48
Benzoic acid	ND		2200	140	µg/Kg-dry	1	01/31/06 2:48
Benzyl alcohol	ND		440	4.9	µg/Kg-dry	1	01/31/06 2:48
bis(2-Chloroethoxy)methane	ND		440	1.7	µg/Kg-dry	1	01/31/06 2:48
bis(2-chloroethyl)ether	ND		440	2.5	µg/Kg-dry	1	01/31/06 2:48
bis(2-chloroisopropyl)ether	ND		440	2.5	µg/Kg-dry	1	01/31/06 2:48
bis(2-Ethylhexyl)phthalate	95	J	440	14	µg/Kg-dry	1	01/31/06 2:48
Butyl benzyl phthalate	ND		440	2.9	µg/Kg-dry	1	01/31/06 2:48
Chrysene	120	J	440	2.1	µg/Kg-dry	1	01/31/06 2:48
Di-n-butyl phthalate	47	J	440	3.6	µg/Kg-dry	1	01/31/06 2:48
Di-n-octyl phthalate	ND		440	2.1	µg/Kg-dry	1	01/31/06 2:48
Dibenz[a,h]anthracene	ND		440	1.8	µg/Kg-dry	1	01/31/06 2:48
Dibenzofuran	ND		440	1.9	µg/Kg-dry	1	01/31/06 2:48
Diethyl phthalate	ND		440	3.1	µg/Kg-dry	1	01/31/06 2:48
Dimethyl phthalate	ND		440	2.2	µg/Kg-dry	1	01/31/06 2:48
Fluoranthene	130	J	440	2.0	µg/Kg-dry	1	01/31/06 2:48
Fluorene	ND		440	2.2	µg/Kg-dry	1	01/31/06 2:48
Hexachlorobenzene	ND		440	3.5	µg/Kg-dry	1	01/31/06 2:48
Hexachlorobutadiene	ND		440	4.7	µg/Kg-dry	1	01/31/06 2:48
Hexachlorocyclopentadiene	ND		440	17	µg/Kg-dry	1	01/31/06 2:48
Hexachloroethane	ND		440	4.7	µg/Kg-dry	1	01/31/06 2:48
Indeno[1,2,3-cd]pyrene	ND		440	1.8	µg/Kg-dry	1	01/31/06 2:48
Isophorone	ND		440	2.1	µg/Kg-dry	1	01/31/06 2:48
N-Nitroso-di-n-propylamine	ND		440	3.7	µg/Kg-dry	1	01/31/06 2:48
N-Nitrosodiphenylamine	ND		440	2.1	µg/Kg-dry	1	01/31/06 2:48
Naphthalene	77	J	440	1.3	µg/Kg-dry	1	01/31/06 2:48
Nitrobenzene	ND		440	2.6	µg/Kg-dry	1	01/31/06 2:48
Pentachlorophenol	ND		2200	36	µg/Kg-dry	1	01/31/06 2:48
Phenanthrene	110	J	440	1.6	µg/Kg-dry	1	01/31/06 2:48
Phenol	ND		440	1.8	µg/Kg-dry	1	01/31/06 2:48
Pyrene	180	J	440	2.1	µg/Kg-dry	1	01/31/06 2:48
Surr: 2,4,6-Tribromophenol	94.6		20-143	0	%REC	1	01/31/06 2:48
Surr: 2-Fluorobiphenyl	96.8		46-130	0	%REC	1	01/31/06 2:48
Surr: 2-Fluorophenol	65.3		22-130	0	%REC	1	01/31/06 2:48
Surr: Nitrobenzene-d5	74.7		39-130	0	%REC	1	01/31/06 2:48

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	Lab ID:	0601049-013B
Project:	Geneva Foundry	Client Sample ID:	BH-27-S
W Order:	0601049	Collection Date:	01/11/06 13:40
Matrix:	SOIL	Date Received:	01/12/06 7:50
Inst. ID:	MS05 26	Sample Size:	30 g
ColumnID:	ZB-5	%Moisture:	24.3
Revision:	01/31/06 10:37:14 A	PrepDate:	01/13/06 8:14 A
		BatchNo:	2374/R4381
		TestCode:	8270S TAGML
		FileID:	1-RA-N3960.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Sum: Phenol-d5	65.4	33-130	0	%REC	1		01/31/06 2:48
Sum: Terphenyl-d14	136	36-146	0	%REC	1		01/31/06 2:48

Qualifiers:	B Analyte detected in the associated Method Blank	E Value exceeds the instrument calibration range
	H Holding times for preparation or analysis exceeded	J Analyte detected below the PQL
	ND Not Detected at the Practical Quantitation Limit (PQL)	P Prim./Conf. column %D or RPD exceeds limit
	S Spike Recovery outside accepted recovery limits	

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.7

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-014B

Client Sample ID: BH-27-D

Collection Date: 01/11/06 13:55

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3931.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		420	3.3	µg/Kg-dry	1	01/27/06 21:31
1,2-Dichlorobenzene	ND		420	3.0	µg/Kg-dry	1	01/27/06 21:31
1,3-Dichlorobenzene	ND		420	2.0	µg/Kg-dry	1	01/27/06 21:31
1,4-Dichlorobenzene	ND		420	2.4	µg/Kg-dry	1	01/27/06 21:31
2,4,5-Trichlorophenol	ND		2100	41	µg/Kg-dry	1	01/27/06 21:31
2,4,6-Trichlorophenol	ND		420	3.9	µg/Kg-dry	1	01/27/06 21:31
2,4-Dichlorophenol	ND		420	3.8	µg/Kg-dry	1	01/27/06 21:31
2,4-Dimethylphenol	ND		420	3.6	µg/Kg-dry	1	01/27/06 21:31
2,4-Dinitrophenol	ND		2100	76	µg/Kg-dry	1	01/27/06 21:31
2,4-Dinitrotoluene	ND		420	3.5	µg/Kg-dry	1	01/27/06 21:31
2,6-Dinitrotoluene	ND		420	4.0	µg/Kg-dry	1	01/27/06 21:31
2-Chloronaphthalene	ND		420	2.0	µg/Kg-dry	1	01/27/06 21:31
2-Chlorophenol	ND		420	2.7	µg/Kg-dry	1	01/27/06 21:31
2-Methylnaphthalene	ND		420	2.0	µg/Kg-dry	1	01/27/06 21:31
2-Methylphenol	ND		420	2.6	µg/Kg-dry	1	01/27/06 21:31
2-Nitroaniline	ND		2100	4.4	µg/Kg-dry	1	01/27/06 21:31
2-Nitrophenol	ND		420	4.8	µg/Kg-dry	1	01/27/06 21:31
3,3'-Dichlorobenzidine	ND		830	10	µg/Kg-dry	1	01/27/06 21:31
3-Nitroaniline	ND		2100	14	µg/Kg-dry	1	01/27/06 21:31
4,6-Dinitro-2-methylphenol	ND		2100	34	µg/Kg-dry	1	01/27/06 21:31
4-Bromophenyl phenyl ether	ND		420	2.9	µg/Kg-dry	1	01/27/06 21:31
4-Chloro-3-methylphenol	ND		420	3.3	µg/Kg-dry	1	01/27/06 21:31
4-Chloroaniline	ND		420	5.1	µg/Kg-dry	1	01/27/06 21:31
4-Chlorophenyl phenyl ether	ND		420	3.2	µg/Kg-dry	1	01/27/06 21:31
4-Methylphenol	ND		420	2.4	µg/Kg-dry	1	01/27/06 21:31
4-Nitroaniline	ND		2100	7.0	µg/Kg-dry	1	01/27/06 21:31
4-Nitrophenol	ND		2100	17	µg/Kg-dry	1	01/27/06 21:31
Acenaphthene	ND		420	1.5	µg/Kg-dry	1	01/27/06 21:31
Acenaphthylene	ND		420	1.9	µg/Kg-dry	1	01/27/06 21:31
Aniline	ND		420	5.2	µg/Kg-dry	1	01/27/06 21:31
Anthracene	ND		420	1.7	µg/Kg-dry	1	01/27/06 21:31
Benzo[a]anthracene	83 J		420	1.8	µg/Kg-dry	1	01/27/06 21:31
Benzo[a]pyrene	110 J		420	2.1	µg/Kg-dry	1	01/27/06 21:31
Benzo[b]fluoranthene	120 J		420	3.0	µg/Kg-dry	1	01/27/06 21:31
Benzo[g,h,i]perylene	ND		420	2.1	µg/Kg-dry	1	01/27/06 21:31

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.7

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-014B

Client Sample ID: BH-27-D

Collection Date: 01/11/06 13:55

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3931.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	43 J	420		2.7	µg/Kg-dry	1	01/27/06 21:31
Benzoic acid	ND	2100		130	µg/Kg-dry	1	01/27/06 21:31
Benzyl alcohol	ND	420		4.6	µg/Kg-dry	1	01/27/06 21:31
bis(2-Chloroethoxy)methane	ND	420		1.6	µg/Kg-dry	1	01/27/06 21:31
bis(2-chloroethyl)ether	ND	420		2.4	µg/Kg-dry	1	01/27/06 21:31
bis(2-chloroisopropyl)ether	ND	420		2.4	µg/Kg-dry	1	01/27/06 21:31
bis(2-Ethylhexyl)phthalate	ND	420		14	µg/Kg-dry	1	01/27/06 21:31
Butyl benzyl phthalate	ND	420		2.7	µg/Kg-dry	1	01/27/06 21:31
Chrysene	76 J	420		2.0	µg/Kg-dry	1	01/27/06 21:31
Di-n-butyl phthalate	ND	420		3.5	µg/Kg-dry	1	01/27/06 21:31
Di-n-octyl phthalate	ND	420		2.0	µg/Kg-dry	1	01/27/06 21:31
Dibenz[a,h]anthracene	ND	420		1.7	µg/Kg-dry	1	01/27/06 21:31
Dibenzofuran	ND	420		1.8	µg/Kg-dry	1	01/27/06 21:31
Diethyl phthalate	ND	420		3.0	µg/Kg-dry	1	01/27/06 21:31
Dimethyl phthalate	ND	420		2.1	µg/Kg-dry	1	01/27/06 21:31
Fluoranthene	57 J	420		1.9	µg/Kg-dry	1	01/27/06 21:31
Fluorene	ND	420		2.1	µg/Kg-dry	1	01/27/06 21:31
Hexachlorobenzene	ND	420		3.3	µg/Kg-dry	1	01/27/06 21:31
Hexachlorobutadiene	ND	420		4.4	µg/Kg-dry	1	01/27/06 21:31
Hexachlorocyclopentadiene	ND	420		16	µg/Kg-dry	1	01/27/06 21:31
Hexachloroethane	ND	420		4.5	µg/Kg-dry	1	01/27/06 21:31
Indeno[1,2,3-cd]pyrene	ND	420		1.7	µg/Kg-dry	1	01/27/06 21:31
Isophorone	ND	420		2.0	µg/Kg-dry	1	01/27/06 21:31
N-Nitroso-di-n-propylamine	ND	420		3.6	µg/Kg-dry	1	01/27/06 21:31
N-Nitrosodiphenylamine	ND	420		2.0	µg/Kg-dry	1	01/27/06 21:31
Naphthalene	ND	420		1.3	µg/Kg-dry	1	01/27/06 21:31
Nitrobenzene	ND	420		2.5	µg/Kg-dry	1	01/27/06 21:31
Pentachlorophenol	ND	2100		35	µg/Kg-dry	1	01/27/06 21:31
Phenanthrene	ND	420		1.5	µg/Kg-dry	1	01/27/06 21:31
Phenol	ND	420		1.7	µg/Kg-dry	1	01/27/06 21:31
Pyrene	63 J	420		2.0	µg/Kg-dry	1	01/27/06 21:31
Surr: 2,4,6-Tribromophenol	38.7	20-143		0	%REC	1	01/27/06 21:31
Surr: 2-Fluorobiphenyl	31.0 S	46-130		0	%REC	1	01/27/06 21:31
Surr: 2-Fluorophenol	22.3	22-130		0	%REC	1	01/27/06 21:31
Surr: Nitrobenzene-d5	25.1 S	39-130		0	%REC	1	01/27/06 21:31

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.7

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-014B

Client Sample ID: BH-27-D

Collection Date: 01/11/06 13:55

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3931.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	20.6	S	33-130	0	%REC	1	01/27/06 21:31
Surr: Terphenyl-d14	34.4	S	36-146	0	%REC	1	01/27/06 21:31

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.7

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-014B

Client Sample ID: BH-27-D

Collection Date: 01/11/06 13:55

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3954.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		420	3.3	µg/Kg-dry	1	01/30/06 23:02
1,2-Dichlorobenzene	ND		420	3.0	µg/Kg-dry	1	01/30/06 23:02
1,3-Dichlorobenzene	ND		420	2.0	µg/Kg-dry	1	01/30/06 23:02
1,4-Dichlorobenzene	ND		420	2.4	µg/Kg-dry	1	01/30/06 23:02
2,4,5-Trichlorophenol	ND		2100	41	µg/Kg-dry	1	01/30/06 23:02
2,4,6-Trichlorophenol	ND		420	3.9	µg/Kg-dry	1	01/30/06 23:02
2,4-Dichlorophenol	ND		420	3.8	µg/Kg-dry	1	01/30/06 23:02
2,4-Dimethylphenol	ND		420	3.6	µg/Kg-dry	1	01/30/06 23:02
2,4-Dinitrophenol	ND		2100	76	µg/Kg-dry	1	01/30/06 23:02
2,4-Dinitrotoluene	ND		420	3.5	µg/Kg-dry	1	01/30/06 23:02
2,6-Dinitrotoluene	ND		420	4.0	µg/Kg-dry	1	01/30/06 23:02
2-Chloronaphthalene	ND		420	2.0	µg/Kg-dry	1	01/30/06 23:02
2-Chlorophenol	ND		420	2.7	µg/Kg-dry	1	01/30/06 23:02
2-Methylnaphthalene	ND		420	2.0	µg/Kg-dry	1	01/30/06 23:02
2-Methylphenol	ND		420	2.6	µg/Kg-dry	1	01/30/06 23:02
2-Nitroaniline	ND		2100	4.4	µg/Kg-dry	1	01/30/06 23:02
2-Nitrophenol	ND		420	4.8	µg/Kg-dry	1	01/30/06 23:02
3,3'-Dichlorobenzidine	ND		830	10	µg/Kg-dry	1	01/30/06 23:02
3-Nitroaniline	ND		2100	14	µg/Kg-dry	1	01/30/06 23:02
4,6-Dinitro-2-methylphenol	ND		2100	34	µg/Kg-dry	1	01/30/06 23:02
4-Bromophenyl phenyl ether	ND		420	2.9	µg/Kg-dry	1	01/30/06 23:02
4-Chloro-3-methylphenol	ND		420	3.3	µg/Kg-dry	1	01/30/06 23:02
4-Chloroaniline	ND		420	5.1	µg/Kg-dry	1	01/30/06 23:02
4-Chlorophenyl phenyl ether	ND		420	3.2	µg/Kg-dry	1	01/30/06 23:02
4-Methylphenol	ND		420	2.4	µg/Kg-dry	1	01/30/06 23:02
4-Nitroaniline	ND		2100	7.0	µg/Kg-dry	1	01/30/06 23:02
4-Nitrophenol	ND		2100	17	µg/Kg-dry	1	01/30/06 23:02
Acenaphthene	ND		420	1.5	µg/Kg-dry	1	01/30/06 23:02
Acenaphthylene	ND		420	1.9	µg/Kg-dry	1	01/30/06 23:02
Aniline	ND		420	5.2	µg/Kg-dry	1	01/30/06 23:02
Anthracene	ND		420	1.7	µg/Kg-dry	1	01/30/06 23:02
Benzo[a]anthracene	82 J		420	1.8	µg/Kg-dry	1	01/30/06 23:02
Benzo[a]pyrene	97 J		420	2.1	µg/Kg-dry	1	01/30/06 23:02
Benzo[b]fluoranthene	120 J		420	3.0	µg/Kg-dry	1	01/30/06 23:02
Benzo[g,h,i]perylene	ND		420	2.1	µg/Kg-dry	1	01/30/06 23:02

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.7

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-014B

Client Sample ID: BH-27-D

Collection Date: 01/11/06 13:55

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3954.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		420	2.7	µg/Kg-dry	1	01/30/06 23:02
Benzoic acid	ND		2100	130	µg/Kg-dry	1	01/30/06 23:02
Benzyl alcohol	ND		420	4.6	µg/Kg-dry	1	01/30/06 23:02
bis(2-Chloroethoxy)methane	ND		420	1.6	µg/Kg-dry	1	01/30/06 23:02
bis(2-chloroethyl)ether	ND		420	2.4	µg/Kg-dry	1	01/30/06 23:02
bis(2-chloroisopropyl)ether	ND		420	2.4	µg/Kg-dry	1	01/30/06 23:02
bis(2-Ethylhexyl)phthalate	ND		420	14	µg/Kg-dry	1	01/30/06 23:02
Butyl benzyl phthalate	ND		420	2.7	µg/Kg-dry	1	01/30/06 23:02
Chrysene	70 J		420	2.0	µg/Kg-dry	1	01/30/06 23:02
Di-n-butyl phthalate	ND		420	3.5	µg/Kg-dry	1	01/30/06 23:02
Di-n-octyl phthalate	ND		420	2.0	µg/Kg-dry	1	01/30/06 23:02
Dibenz[a,h]anthracene	ND		420	1.7	µg/Kg-dry	1	01/30/06 23:02
Dibenzofuran	ND		420	1.8	µg/Kg-dry	1	01/30/06 23:02
Diethyl phthalate	ND		420	3.0	µg/Kg-dry	1	01/30/06 23:02
Dimethyl phthalate	ND		420	2.1	µg/Kg-dry	1	01/30/06 23:02
Fluoranthene	55 J		420	1.9	µg/Kg-dry	1	01/30/06 23:02
Fluorene	ND		420	2.1	µg/Kg-dry	1	01/30/06 23:02
Hexachlorobenzene	ND		420	3.3	µg/Kg-dry	1	01/30/06 23:02
Hexachlorobutadiene	ND		420	4.4	µg/Kg-dry	1	01/30/06 23:02
Hexachlorocyclopentadiene	ND		420	16	µg/Kg-dry	1	01/30/06 23:02
Hexachloroethane	ND		420	4.5	µg/Kg-dry	1	01/30/06 23:02
Indeno[1,2,3-cd]pyrene	ND		420	1.7	µg/Kg-dry	1	01/30/06 23:02
Isophorone	ND		420	2.0	µg/Kg-dry	1	01/30/06 23:02
N-Nitroso-di-n-propylamine	ND		420	3.6	µg/Kg-dry	1	01/30/06 23:02
N-Nitrosodiphenylamine	ND		420	2.0	µg/Kg-dry	1	01/30/06 23:02
Naphthalene	ND		420	1.3	µg/Kg-dry	1	01/30/06 23:02
Nitrobenzene	ND		420	2.5	µg/Kg-dry	1	01/30/06 23:02
Pentachlorophenol	ND		2100	35	µg/Kg-dry	1	01/30/06 23:02
Phenanthrene	ND		420	1.5	µg/Kg-dry	1	01/30/06 23:02
Phenol	ND		420	1.7	µg/Kg-dry	1	01/30/06 23:02
Pyrene	51 J		420	2.0	µg/Kg-dry	1	01/30/06 23:02
Surr: 2,4,6-Tribromophenol	36.6		20-143	0	%REC	1	01/30/06 23:02
Surr: 2-Fluorobiphenyl	30.0 S		46-130	0	%REC	1	01/30/06 23:02
Surr: 2-Fluorophenol	24.7		22-130	0	%REC	1	01/30/06 23:02
Surr: Nitrobenzene-d5	27.0 S		39-130	0	%REC	1	01/30/06 23:02

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.7

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-014B

Client Sample ID: BH-27-D

Collection Date: 01/11/06 13:55

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3954.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	23.4	S	33-130	0	%REC	1	01/30/06 23:02
Surr: Terphenyl-d14	29.5	S	36-146	0	%REC	1	01/30/06 23:02

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.3

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-015B

Client Sample ID: BH-28-S

Collection Date: 01/11/06 15:10

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3938.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		38000	300	µg/Kg-dry	10	01/28/06 1:52
1,2-Dichlorobenzene	ND		38000	270	µg/Kg-dry	10	01/28/06 1:52
1,3-Dichlorobenzene	ND		38000	180	µg/Kg-dry	10	01/28/06 1:52
1,4-Dichlorobenzene	ND		38000	220	µg/Kg-dry	10	01/28/06 1:52
2,4,5-Trichlorophenol	ND		190000	3700	µg/Kg-dry	10	01/28/06 1:52
2,4,6-Trichlorophenol	ND		38000	350	µg/Kg-dry	10	01/28/06 1:52
2,4-Dichlorophenol	ND		38000	350	µg/Kg-dry	10	01/28/06 1:52
2,4-Dimethylphenol	ND		38000	320	µg/Kg-dry	10	01/28/06 1:52
2,4-Dinitrophenol	ND		190000	6900	µg/Kg-dry	10	01/28/06 1:52
2,4-Dinitrotoluene	ND		38000	310	µg/Kg-dry	10	01/28/06 1:52
2,6-Dinitrotoluene	ND		38000	360	µg/Kg-dry	10	01/28/06 1:52
2-Chloronaphthalene	ND		38000	180	µg/Kg-dry	10	01/28/06 1:52
2-Chlorophenol	ND		38000	250	µg/Kg-dry	10	01/28/06 1:52
2-Methylnaphthalene	ND		38000	180	µg/Kg-dry	10	01/28/06 1:52
2-Methylphenol	ND		38000	230	µg/Kg-dry	10	01/28/06 1:52
2-Nitroaniline	ND		190000	400	µg/Kg-dry	10	01/28/06 1:52
2-Nitrophenol	ND		38000	430	µg/Kg-dry	10	01/28/06 1:52
3,3'-Dichlorobenzidine	ND		75000	930	µg/Kg-dry	10	01/28/06 1:52
3-Nitroaniline	ND		190000	1300	µg/Kg-dry	10	01/28/06 1:52
4,6-Dinitro-2-methylphenol	ND		190000	3100	µg/Kg-dry	10	01/28/06 1:52
4-Bromophenyl phenyl ether	ND		38000	260	µg/Kg-dry	10	01/28/06 1:52
4-Chloro-3-methylphenol	ND		38000	300	µg/Kg-dry	10	01/28/06 1:52
4-Chloroaniline	ND		38000	460	µg/Kg-dry	10	01/28/06 1:52
4-Chlorophenyl phenyl ether	ND		38000	290	µg/Kg-dry	10	01/28/06 1:52
4-Methylphenol	ND		38000	220	µg/Kg-dry	10	01/28/06 1:52
4-Nitroaniline	ND		190000	630	µg/Kg-dry	10	01/28/06 1:52
4-Nitrophenol	ND		190000	1500	µg/Kg-dry	10	01/28/06 1:52
Acenaphthene	ND		38000	130	µg/Kg-dry	10	01/28/06 1:52
Acenaphthylene	ND		38000	170	µg/Kg-dry	10	01/28/06 1:52
Aniline	ND		38000	470	µg/Kg-dry	10	01/28/06 1:52
Anthracene	ND		38000	150	µg/Kg-dry	10	01/28/06 1:52
Benzo[a]anthracene	ND		38000	160	µg/Kg-dry	10	01/28/06 1:52
Benzo[a]pyrene	ND		38000	190	µg/Kg-dry	10	01/28/06 1:52
Benzo[b]fluoranthene	ND		38000	270	µg/Kg-dry	10	01/28/06 1:52
Benzo[g,h,i]perylene	ND		38000	190	µg/Kg-dry	10	01/28/06 1:52

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.3

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-015B

Client Sample ID: BH-28-S

Collection Date: 01/11/06 15:10

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3938.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		38000	240	µg/Kg-dry	10	01/28/06 1:52
Benzoic acid	ND		190000	12000	µg/Kg-dry	10	01/28/06 1:52
Benzyl alcohol	ND		38000	420	µg/Kg-dry	10	01/28/06 1:52
bis(2-Chloroethoxy)methane	ND		38000	140	µg/Kg-dry	10	01/28/06 1:52
bis(2-chloroethyl)ether	ND		38000	220	µg/Kg-dry	10	01/28/06 1:52
bis(2-chloroisopropyl)ether	ND		38000	220	µg/Kg-dry	10	01/28/06 1:52
bis(2-Ethylhexyl)phthalate	ND		38000	1200	µg/Kg-dry	10	01/28/06 1:52
Butyl benzyl phthalate	ND		38000	250	µg/Kg-dry	10	01/28/06 1:52
Chrysene	ND		38000	180	µg/Kg-dry	10	01/28/06 1:52
Di-n-butyl phthalate	ND		38000	310	µg/Kg-dry	10	01/28/06 1:52
Di-n-octyl phthalate	ND		38000	180	µg/Kg-dry	10	01/28/06 1:52
Dibenz[a,h]anthracene	ND		38000	150	µg/Kg-dry	10	01/28/06 1:52
Dibenzofuran	ND		38000	170	µg/Kg-dry	10	01/28/06 1:52
Diethyl phthalate	ND		38000	270	µg/Kg-dry	10	01/28/06 1:52
Dimethyl phthalate	ND		38000	190	µg/Kg-dry	10	01/28/06 1:52
Fluoranthene	ND		38000	170	µg/Kg-dry	10	01/28/06 1:52
Fluorene	ND		38000	190	µg/Kg-dry	10	01/28/06 1:52
Hexachlorobenzene	ND		38000	300	µg/Kg-dry	10	01/28/06 1:52
Hexachlorobutadiene	ND		38000	400	µg/Kg-dry	10	01/28/06 1:52
Hexachlorocyclopentadiene	ND		38000	1500	µg/Kg-dry	10	01/28/06 1:52
Hexachloroethane	ND		38000	410	µg/Kg-dry	10	01/28/06 1:52
Indeno[1,2,3-cd]pyrene	ND		38000	150	µg/Kg-dry	10	01/28/06 1:52
Isophorone	ND		38000	180	µg/Kg-dry	10	01/28/06 1:52
N-Nitroso-di-n-propylamine	ND		38000	320	µg/Kg-dry	10	01/28/06 1:52
N-Nitrosodiphenylamine	ND		38000	180	µg/Kg-dry	10	01/28/06 1:52
Naphthalene	ND		38000	110	µg/Kg-dry	10	01/28/06 1:52
Nitrobenzene	ND		38000	230	µg/Kg-dry	10	01/28/06 1:52
Pentachlorophenol	ND		190000	3100	µg/Kg-dry	10	01/28/06 1:52
Phenanthrene	ND		38000	140	µg/Kg-dry	10	01/28/06 1:52
Phenol	ND		38000	150	µg/Kg-dry	10	01/28/06 1:52
Pyrene	ND		38000	180	µg/Kg-dry	10	01/28/06 1:52
Surr: 2,4,6-Tribromophenol	0		20-143	0	%REC	10	01/28/06 1:52
Surr: 2-Fluorobiphenyl	0		46-130	0	%REC	10	01/28/06 1:52
Surr: 2-Fluorophenol	0		22-130	0	%REC	10	01/28/06 1:52
Surr: Nitrobenzene-d5	0		39-130	0	%REC	10	01/28/06 1:52

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.3

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-015B

Client Sample ID: BH-28-S

Collection Date: 01/11/06 15:10

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3938.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SW8270C

(SW3550B)

Surr: Phenol-d5

0

33-130

0

%REC

10

01/28/06 1:52

Surr: Terphenyl-d14

0

36-146

0

%REC

10

01/28/06 1:52

NOTES:

Surrogates were diluted.

Elevated detection limits due to matrix interference.

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 13:42

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.3

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-015B

Client Sample ID: BH-28-S

Collection Date: 01/11/06 15:10

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3963.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		38000	300	µg/Kg-dry	10	01/31/06 4:40
1,2-Dichlorobenzene	ND		38000	270	µg/Kg-dry	10	01/31/06 4:40
1,3-Dichlorobenzene	ND		38000	180	µg/Kg-dry	10	01/31/06 4:40
1,4-Dichlorobenzene	ND		38000	220	µg/Kg-dry	10	01/31/06 4:40
2,4,5-Trichlorophenol	ND		190000	3700	µg/Kg-dry	10	01/31/06 4:40
2,4,6-Trichlorophenol	ND		38000	350	µg/Kg-dry	10	01/31/06 4:40
2,4-Dichlorophenol	ND		38000	350	µg/Kg-dry	10	01/31/06 4:40
2,4-Dimethylphenol	ND		38000	320	µg/Kg-dry	10	01/31/06 4:40
2,4-Dinitrophenol	ND		190000	6900	µg/Kg-dry	10	01/31/06 4:40
2,4-Dinitrotoluene	ND		38000	310	µg/Kg-dry	10	01/31/06 4:40
2,6-Dinitrotoluene	ND		38000	360	µg/Kg-dry	10	01/31/06 4:40
2-Chloronaphthalene	ND		38000	180	µg/Kg-dry	10	01/31/06 4:40
2-Chlorophenol	ND		38000	250	µg/Kg-dry	10	01/31/06 4:40
2-Methylnaphthalene	ND		38000	180	µg/Kg-dry	10	01/31/06 4:40
2-Methylphenol	ND		38000	230	µg/Kg-dry	10	01/31/06 4:40
2-Nitroaniline	ND		190000	400	µg/Kg-dry	10	01/31/06 4:40
2-Nitrophenol	ND		38000	430	µg/Kg-dry	10	01/31/06 4:40
3,3'-Dichlorobenzidine	ND		75000	930	µg/Kg-dry	10	01/31/06 4:40
3-Nitroaniline	ND		190000	1300	µg/Kg-dry	10	01/31/06 4:40
4,6-Dinitro-2-methylphenol	ND		190000	3100	µg/Kg-dry	10	01/31/06 4:40
4-Bromophenyl phenyl ether	ND		38000	260	µg/Kg-dry	10	01/31/06 4:40
4-Chloro-3-methylphenol	ND		38000	300	µg/Kg-dry	10	01/31/06 4:40
4-Chloroaniline	ND		38000	460	µg/Kg-dry	10	01/31/06 4:40
4-Chlorophenyl phenyl ether	ND		38000	290	µg/Kg-dry	10	01/31/06 4:40
4-Methylphenol	ND		38000	220	µg/Kg-dry	10	01/31/06 4:40
4-Nitroaniline	ND		190000	630	µg/Kg-dry	10	01/31/06 4:40
4-Nitrophenol	ND		190000	1500	µg/Kg-dry	10	01/31/06 4:40
Acenaphthene	ND		38000	130	µg/Kg-dry	10	01/31/06 4:40
Acenaphthylene	ND		38000	170	µg/Kg-dry	10	01/31/06 4:40
Aniline	ND		38000	470	µg/Kg-dry	10	01/31/06 4:40
Anthracene	ND		38000	150	µg/Kg-dry	10	01/31/06 4:40
Benzo[a]anthracene	ND		38000	160	µg/Kg-dry	10	01/31/06 4:40
Benzo[a]pyrene	ND		38000	190	µg/Kg-dry	10	01/31/06 4:40
Benzo[b]fluoranthene	ND		38000	270	µg/Kg-dry	10	01/31/06 4:40
Benzo[g,h,i]perylene	ND		38000	190	µg/Kg-dry	10	01/31/06 4:40

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.3

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-015B

Client Sample ID: BH-28-S

Collection Date: 01/11/06 15:10

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3963.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		38000	240	µg/Kg-dry	10	01/31/06 4:40
Benzoic acid	ND		190000	12000	µg/Kg-dry	10	01/31/06 4:40
Benzyl alcohol	ND		38000	420	µg/Kg-dry	10	01/31/06 4:40
bis(2-Chloroethoxy)methane	ND		38000	140	µg/Kg-dry	10	01/31/06 4:40
bis(2-chloroethyl)ether	ND		38000	220	µg/Kg-dry	10	01/31/06 4:40
bis(2-chloroisopropyl)ether	ND		38000	220	µg/Kg-dry	10	01/31/06 4:40
bis(2-Ethylhexyl)phthalate	ND		38000	1200	µg/Kg-dry	10	01/31/06 4:40
Butyl benzyl phthalate	ND		38000	250	µg/Kg-dry	10	01/31/06 4:40
Chrysene	ND		38000	180	µg/Kg-dry	10	01/31/06 4:40
Di-n-butyl phthalate	ND		38000	310	µg/Kg-dry	10	01/31/06 4:40
Di-n-octyl phthalate	ND		38000	180	µg/Kg-dry	10	01/31/06 4:40
Dibenz[a,h]anthracene	ND		38000	150	µg/Kg-dry	10	01/31/06 4:40
Dibenzofuran	ND		38000	170	µg/Kg-dry	10	01/31/06 4:40
Diethyl phthalate	ND		38000	270	µg/Kg-dry	10	01/31/06 4:40
Dimethyl phthalate	ND		38000	190	µg/Kg-dry	10	01/31/06 4:40
Fluoranthene	ND		38000	170	µg/Kg-dry	10	01/31/06 4:40
Fluorene	ND		38000	190	µg/Kg-dry	10	01/31/06 4:40
Hexachlorobenzene	ND		38000	300	µg/Kg-dry	10	01/31/06 4:40
Hexachlorobutadiene	ND		38000	400	µg/Kg-dry	10	01/31/06 4:40
Hexachlorocyclopentadiene	ND		38000	1500	µg/Kg-dry	10	01/31/06 4:40
Hexachloroethane	ND		38000	410	µg/Kg-dry	10	01/31/06 4:40
Indeno[1,2,3-cd]pyrene	ND		38000	150	µg/Kg-dry	10	01/31/06 4:40
Isophorone	ND		38000	180	µg/Kg-dry	10	01/31/06 4:40
N-Nitroso-di-n-propylamine	ND		38000	320	µg/Kg-dry	10	01/31/06 4:40
N-Nitrosodiphenylamine	ND		38000	180	µg/Kg-dry	10	01/31/06 4:40
Naphthalene	ND		38000	110	µg/Kg-dry	10	01/31/06 4:40
Nitrobenzene	ND		38000	230	µg/Kg-dry	10	01/31/06 4:40
Pentachlorophenol	ND		190000	3100	µg/Kg-dry	10	01/31/06 4:40
Phenanthrene	ND		38000	140	µg/Kg-dry	10	01/31/06 4:40
Phenol	ND		38000	150	µg/Kg-dry	10	01/31/06 4:40
Pyrene	ND		38000	180	µg/Kg-dry	10	01/31/06 4:40
Surr: 2,4,6-Tribromophenol	0		20-143	0	%REC	10	01/31/06 4:40
Surr: 2-Fluorobiphenyl	0		46-130	0	%REC	10	01/31/06 4:40
Surr: 2-Fluorophenol	0		22-130	0	%REC	10	01/31/06 4:40
Surr: Nitrobenzene-d5	0		39-130	0	%REC	10	01/31/06 4:40

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 13:42

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.3

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-015B

Client Sample ID: BH-28-S

Collection Date: 01/11/06 15:10

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3963.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	0		33-130	0	%REC	10	01/31/06 4:40
Surr: Terphenyl-d14	0		36-146	0	%REC	10	01/31/06 4:40

NOTES:

Surrogates were diluted.

Elevated detection limits due to matrix interference.

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 13:42

Project Supervisor: Thomas A. Alexander

178



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.6

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-016B

Client Sample ID: BH-28-D

Collection Date: 01/11/06 15:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3932.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		410	3.3	µg/Kg-dry	1	01/27/06 22:08
1,2-Dichlorobenzene	ND		410	2.9	µg/Kg-dry	1	01/27/06 22:08
1,3-Dichlorobenzene	ND		410	2.0	µg/Kg-dry	1	01/27/06 22:08
1,4-Dichlorobenzene	ND		410	2.4	µg/Kg-dry	1	01/27/06 22:08
2,4,5-Trichlorophenol	ND		2100	41	µg/Kg-dry	1	01/27/06 22:08
2,4,6-Trichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/27/06 22:08
2,4-Dichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/27/06 22:08
2,4-Dimethylphenol	ND		410	3.5	µg/Kg-dry	1	01/27/06 22:08
2,4-Dinitrophenol	ND		2100	75	µg/Kg-dry	1	01/27/06 22:08
2,4-Dinitrotoluene	ND		410	3.4	µg/Kg-dry	1	01/27/06 22:08
2,6-Dinitrotoluene	ND		410	4.0	µg/Kg-dry	1	01/27/06 22:08
2-Chloronaphthalene	ND		410	2.0	µg/Kg-dry	1	01/27/06 22:08
2-Chlorophenol	ND		410	2.7	µg/Kg-dry	1	01/27/06 22:08
2-Methylnaphthalene	ND		410	2.0	µg/Kg-dry	1	01/27/06 22:08
2-Methylphenol	ND		410	2.5	µg/Kg-dry	1	01/27/06 22:08
2-Nitroaniline	ND		2100	4.4	µg/Kg-dry	1	01/27/06 22:08
2-Nitrophenol	ND		410	4.7	µg/Kg-dry	1	01/27/06 22:08
3,3'-Dichlorobenzidine	ND		820	10	µg/Kg-dry	1	01/27/06 22:08
3-Nitroaniline	ND		2100	14	µg/Kg-dry	1	01/27/06 22:08
4,6-Dinitro-2-methylphenol	ND		2100	34	µg/Kg-dry	1	01/27/06 22:08
4-Bromophenyl phenyl ether	ND		410	2.9	µg/Kg-dry	1	01/27/06 22:08
4-Chloro-3-methylphenol	ND		410	3.3	µg/Kg-dry	1	01/27/06 22:08
4-Chloroaniline	ND		410	5.0	µg/Kg-dry	1	01/27/06 22:08
4-Chlorophenyl phenyl ether	ND		410	3.1	µg/Kg-dry	1	01/27/06 22:08
4-Methylphenol	ND		410	2.4	µg/Kg-dry	1	01/27/06 22:08
4-Nitroaniline	ND		2100	6.9	µg/Kg-dry	1	01/27/06 22:08
4-Nitrophenol	ND		2100	16	µg/Kg-dry	1	01/27/06 22:08
Acenaphthene	ND		410	1.5	µg/Kg-dry	1	01/27/06 22:08
Acenaphthylene	ND		410	1.6	µg/Kg-dry	1	01/27/06 22:08
Aniline	ND		410	5.1	µg/Kg-dry	1	01/27/06 22:08
Anthracene	ND		410	1.7	µg/Kg-dry	1	01/27/06 22:08
Benzo[a]anthracene	ND		410	1.8	µg/Kg-dry	1	01/27/06 22:08
Benzo[a]pyrene	ND		410	2.1	µg/Kg-dry	1	01/27/06 22:08
Benzo[b]fluoranthene	ND		410	3.0	µg/Kg-dry	1	01/27/06 22:08
Benzo[g,h,i]perylene	ND		410	2.1	µg/Kg-dry	1	01/27/06 22:08

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.6

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-016B

Client Sample ID: BH-28-D

Collection Date: 01/11/06 15:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3932.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND	410		2.6	µg/Kg-dry	1	01/27/06 22:08
Benzoic acid	ND	2100		130	µg/Kg-dry	1	01/27/06 22:08
Benzyl alcohol	ND	410		4.6	µg/Kg-dry	1	01/27/06 22:08
bis(2-Chloroethoxy)methane	ND	410		1.6	µg/Kg-dry	1	01/27/06 22:08
bis(2-chloroethyl)ether	ND	410		2.4	µg/Kg-dry	1	01/27/06 22:08
bis(2-chloroisopropyl)ether	ND	410		2.4	µg/Kg-dry	1	01/27/06 22:08
bis(2-Ethylhexyl)phthalate	ND	410		14	µg/Kg-dry	1	01/27/06 22:08
Butyl benzyl phthalate	ND	410		2.7	µg/Kg-dry	1	01/27/06 22:08
Chrysene	45 J	410		2.0	µg/Kg-dry	1	01/27/06 22:08
Di-n-butyl phthalate	ND	410		3.4	µg/Kg-dry	1	01/27/06 22:08
Di-n-octyl phthalate	ND	410		2.0	µg/Kg-dry	1	01/27/06 22:08
Dibenz[a,h]anthracene	ND	410		1.7	µg/Kg-dry	1	01/27/06 22:08
Dibenzofuran	ND	410		1.8	µg/Kg-dry	1	01/27/06 22:08
Diethyl phthalate	ND	410		3.0	µg/Kg-dry	1	01/27/06 22:08
Dimethyl phthalate	ND	410		2.1	µg/Kg-dry	1	01/27/06 22:08
Fluoranthene	ND	410		1.9	µg/Kg-dry	1	01/27/06 22:08
Fluorene	ND	410		2.1	µg/Kg-dry	1	01/27/06 22:08
Hexachlorobenzene	ND	410		3.3	µg/Kg-dry	1	01/27/06 22:08
Hexachlorobutadiene	ND	410		4.4	µg/Kg-dry	1	01/27/06 22:08
Hexachlorocyclopentadiene	ND	410		16	µg/Kg-dry	1	01/27/06 22:08
Hexachloroethane	ND	410		4.4	µg/Kg-dry	1	01/27/06 22:08
Indeno[1,2,3-cd]pyrene	ND	410		1.7	µg/Kg-dry	1	01/27/06 22:08
Isophorone	ND	410		2.0	µg/Kg-dry	1	01/27/06 22:08
N-Nitroso-di-n-propylamine	ND	410		3.5	µg/Kg-dry	1	01/27/06 22:08
N-Nitrosodiphenylamine	ND	410		2.0	µg/Kg-dry	1	01/27/06 22:08
Naphthalene	ND	410		1.2	µg/Kg-dry	1	01/27/06 22:08
Nitrobenzene	ND	410		2.5	µg/Kg-dry	1	01/27/06 22:08
Pentachlorophenol	ND	2100		34	µg/Kg-dry	1	01/27/06 22:08
Phenanthrene	ND	410		1.5	µg/Kg-dry	1	01/27/06 22:08
Phenol	ND	410		1.7	µg/Kg-dry	1	01/27/06 22:08
Pyrene	ND	410		2.0	µg/Kg-dry	1	01/27/06 22:08
Surr: 2,4,6-Tribromophenol	132	20-143		0	%REC	1	01/27/06 22:08
Surr: 2-Fluorobiphenyl	95.6	46-130		0	%REC	1	01/27/06 22:08
Surr: 2-Fluorophenol	71.2	22-130		0	%REC	1	01/27/06 22:08
Surr: Nitrobenzene-d5	76.3	39-130		0	%REC	1	01/27/06 22:08

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.6

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-016B

Client Sample ID: BH-28-D

Collection Date: 01/11/06 15:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3932.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Sum: Phenol-d5	65.2	33-130	0	%REC	1		01/27/06 22:08
Sum: Terphenyl-d14	109	36-146	0	%REC	1		01/27/06 22:08

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.6

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-016B

Client Sample ID: BH-28-D

Collection Date: 01/11/06 15:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3952.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND	410		3.3	µg/Kg-dry	1	01/30/06 21:47
1,2-Dichlorobenzene	ND	410		2.9	µg/Kg-dry	1	01/30/06 21:47
1,3-Dichlorobenzene	ND	410		2.0	µg/Kg-dry	1	01/30/06 21:47
1,4-Dichlorobenzene	ND	410		2.4	µg/Kg-dry	1	01/30/06 21:47
2,4,5-Trichlorophenol	ND	2100		41	µg/Kg-dry	1	01/30/06 21:47
2,4,6-Trichlorophenol	ND	410		3.8	µg/Kg-dry	1	01/30/06 21:47
2,4-Dichlorophenol	ND	410		3.8	µg/Kg-dry	1	01/30/06 21:47
2,4-Dimethylphenol	ND	410		3.5	µg/Kg-dry	1	01/30/06 21:47
2,4-Dinitrophenol	ND	2100		75	µg/Kg-dry	1	01/30/06 21:47
2,4-Dinitrotoluene	ND	410		3.4	µg/Kg-dry	1	01/30/06 21:47
2,6-Dinitrotoluene	ND	410		4.0	µg/Kg-dry	1	01/30/06 21:47
2-Chloronaphthalene	ND	410		2.0	µg/Kg-dry	1	01/30/06 21:47
2-Chlorophenol	ND	410		2.7	µg/Kg-dry	1	01/30/06 21:47
2-Methylnaphthalene	ND	410		2.0	µg/Kg-dry	1	01/30/06 21:47
2-Methylphenol	ND	410		2.5	µg/Kg-dry	1	01/30/06 21:47
2-Nitroaniline	ND	2100		4.4	µg/Kg-dry	1	01/30/06 21:47
2-Nitrophenol	ND	410		4.7	µg/Kg-dry	1	01/30/06 21:47
3,3'-Dichlorobenzidine	ND	820		10	µg/Kg-dry	1	01/30/06 21:47
3-Nitroaniline	ND	2100		14	µg/Kg-dry	1	01/30/06 21:47
4,6-Dinitro-2-methylphenol	ND	2100		34	µg/Kg-dry	1	01/30/06 21:47
4-Bromophenyl phenyl ether	ND	410		2.9	µg/Kg-dry	1	01/30/06 21:47
4-Chloro-3-methylphenol	ND	410		3.3	µg/Kg-dry	1	01/30/06 21:47
4-Chloroaniline	ND	410		5.0	µg/Kg-dry	1	01/30/06 21:47
4-Chlorophenyl phenyl ether	ND	410		3.1	µg/Kg-dry	1	01/30/06 21:47
4-Methylphenol	ND	410		2.4	µg/Kg-dry	1	01/30/06 21:47
4-Nitroaniline	ND	2100		6.9	µg/Kg-dry	1	01/30/06 21:47
4-Nitrophenol	ND	2100		16	µg/Kg-dry	1	01/30/06 21:47
Acenaphthene	ND	410		1.5	µg/Kg-dry	1	01/30/06 21:47
Acenaphthylene	ND	410		1.8	µg/Kg-dry	1	01/30/06 21:47
Aniline	ND	410		5.1	µg/Kg-dry	1	01/30/06 21:47
Anthracene	ND	410		1.7	µg/Kg-dry	1	01/30/06 21:47
Benzo[a]anthracene	ND	410		1.8	µg/Kg-dry	1	01/30/06 21:47
Benzo[a]pyrene	ND	410		2.1	µg/Kg-dry	1	01/30/06 21:47
Benzo[b]fluoranthene	ND	410		3.0	µg/Kg-dry	1	01/30/06 21:47
Benzo[g,h,i]perylene	ND	410		2.1	µg/Kg-dry	1	01/30/06 21:47

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.6

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-016B

Client Sample ID: BH-28-D

Collection Date: 01/11/06 15:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3952.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND	410		2.6	µg/Kg-dry	1	01/30/06 21:47
Benzoic acid	ND	2100		130	µg/Kg-dry	1	01/30/06 21:47
Benzyl alcohol	ND	410		4.6	µg/Kg-dry	1	01/30/06 21:47
bis(2-Chloroethoxy)methane	ND	410		1.6	µg/Kg-dry	1	01/30/06 21:47
bis(2-chloroethyl)ether	ND	410		2.4	µg/Kg-dry	1	01/30/06 21:47
bis(2-chloroisopropyl)ether	ND	410		2.4	µg/Kg-dry	1	01/30/06 21:47
bis(2-Ethylhexyl)phthalate	ND	410		14	µg/Kg-dry	1	01/30/06 21:47
Butyl benzyl phthalate	ND	410		2.7	µg/Kg-dry	1	01/30/06 21:47
Chrysene	ND	410		2.0	µg/Kg-dry	1	01/30/06 21:47
Di-n-butyl phthalate	ND	410		3.4	µg/Kg-dry	1	01/30/06 21:47
Di-n-octyl phthalate	ND	410		2.0	µg/Kg-dry	1	01/30/06 21:47
Dibenz[a,h]anthracene	ND	410		1.7	µg/Kg-dry	1	01/30/06 21:47
Dibenzofuran	ND	410		1.8	µg/Kg-dry	1	01/30/06 21:47
Diethyl phthalate	ND	410		3.0	µg/Kg-dry	1	01/30/06 21:47
Dimethyl phthalate	ND	410		2.1	µg/Kg-dry	1	01/30/06 21:47
Fluoranthene	ND	410		1.9	µg/Kg-dry	1	01/30/06 21:47
Fluorene	ND	410		2.1	µg/Kg-dry	1	01/30/06 21:47
Hexachlorobenzene	ND	410		3.3	µg/Kg-dry	1	01/30/06 21:47
Hexachlorobutadiene	ND	410		4.4	µg/Kg-dry	1	01/30/06 21:47
Hexachlorocyclopentadiene	ND	410		16	µg/Kg-dry	1	01/30/06 21:47
Hexachloroethane	ND	410		4.4	µg/Kg-dry	1	01/30/06 21:47
Indeno[1,2,3-cd]pyrene	ND	410		1.7	µg/Kg-dry	1	01/30/06 21:47
Isophorone	ND	410		2.0	µg/Kg-dry	1	01/30/06 21:47
N-Nitroso-di-n-propylamine	ND	410		3.5	µg/Kg-dry	1	01/30/06 21:47
N-Nitrosodiphenylamine	ND	410		2.0	µg/Kg-dry	1	01/30/06 21:47
Naphthalene	ND	410		1.2	µg/Kg-dry	1	01/30/06 21:47
Nitrobenzene	ND	410		2.5	µg/Kg-dry	1	01/30/06 21:47
Pentachlorophenol	ND	2100		34	µg/Kg-dry	1	01/30/06 21:47
Phenanthrene	ND	410		1.5	µg/Kg-dry	1	01/30/06 21:47
Phenol	ND	410		1.7	µg/Kg-dry	1	01/30/06 21:47
Pyrene	ND	410		2.0	µg/Kg-dry	1	01/30/06 21:47
Surr: 2,4,6-Tribromophenol	133	20-143		0	%REC	1	01/30/06 21:47
Surr: 2-Fluorobiphenyl	104	46-130		0	%REC	1	01/30/06 21:47
Surr: 2-Fluorophenol	75.3	22-130		0	%REC	1	01/30/06 21:47
Surr: Nitrobenzene-d5	86.1	39-130		0	%REC	1	01/30/06 21:47

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.6

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-016B

Client Sample ID: BH-28-D

Collection Date: 01/11/06 15:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3952.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	70.3	33-130	0	%REC	1		01/30/06 21:47
Surr: Terphenyl-d14	110	36-146	0	%REC	1		01/30/06 21:47

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.3

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-017B

Client Sample ID: BH-29-S

Collection Date: 01/11/06 16:05

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3933.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		380	3.0	µg/Kg-dry	1	01/27/06 22:45
1,2-Dichlorobenzene	ND		380	2.7	µg/Kg-dry	1	01/27/06 22:45
1,3-Dichlorobenzene	ND		380	1.8	µg/Kg-dry	1	01/27/06 22:45
1,4-Dichlorobenzene	ND		380	2.2	µg/Kg-dry	1	01/27/06 22:45
2,4,5-Trichlorophenol	ND		1900	37	µg/Kg-dry	1	01/27/06 22:45
2,4,6-Trichlorophenol	ND		380	3.5	µg/Kg-dry	1	01/27/06 22:45
2,4-Dichlorophenol	ND		380	3.5	µg/Kg-dry	1	01/27/06 22:45
2,4-Dimethylphenol	ND		380	3.2	µg/Kg-dry	1	01/27/06 22:45
2,4-Dinitrophenol	ND		1900	69	µg/Kg-dry	1	01/27/06 22:45
2,4-Dinitrotoluene	ND		380	3.1	µg/Kg-dry	1	01/27/06 22:45
2,6-Dinitrotoluene	ND		380	3.6	µg/Kg-dry	1	01/27/06 22:45
2-Chloronaphthalene	ND		380	1.8	µg/Kg-dry	1	01/27/06 22:45
2-Chlorophenol	ND		380	2.5	µg/Kg-dry	1	01/27/06 22:45
2-Methylnaphthalene	47 J		380	1.8	µg/Kg-dry	1	01/27/06 22:45
2-Methylphenol	ND		380	2.3	µg/Kg-dry	1	01/27/06 22:45
2-Nitroaniline	ND		1900	4.0	µg/Kg-dry	1	01/27/06 22:45
2-Nitrophenol	ND		380	4.3	µg/Kg-dry	1	01/27/06 22:45
3,3'-Dichlorobenzidine	ND		750	9.3	µg/Kg-dry	1	01/27/06 22:45
3-Nitroaniline	ND		1900	13	µg/Kg-dry	1	01/27/06 22:45
4,6-Dinitro-2-methylphenol	ND		1900	31	µg/Kg-dry	1	01/27/06 22:45
4-Bromophenyl phenyl ether	ND		380	2.6	µg/Kg-dry	1	01/27/06 22:45
4-Chloro-3-methylphenol	ND		380	3.0	µg/Kg-dry	1	01/27/06 22:45
4-Chloroaniline	ND		380	4.6	µg/Kg-dry	1	01/27/06 22:45
4-Chlorophenyl phenyl ether	ND		380	2.9	µg/Kg-dry	1	01/27/06 22:45
4-Methylphenol	ND		380	2.2	µg/Kg-dry	1	01/27/06 22:45
4-Nitroaniline	ND		1900	6.3	µg/Kg-dry	1	01/27/06 22:45
4-Nitrophenol	ND		1900	15	µg/Kg-dry	1	01/27/06 22:45
Acenaphthene	ND		380	1.3	µg/Kg-dry	1	01/27/06 22:45
Acenaphthylene	77 J		380	1.7	µg/Kg-dry	1	01/27/06 22:45
Aniline	ND		380	4.7	µg/Kg-dry	1	01/27/06 22:45
Anthracene	130 J		380	1.5	µg/Kg-dry	1	01/27/06 22:45
Benzo[a]anthracene	480		380	1.6	µg/Kg-dry	1	01/27/06 22:45
Benzo[a]pyrene	470		380	1.9	µg/Kg-dry	1	01/27/06 22:45
Benzo[b]fluoranthene	730		380	2.7	µg/Kg-dry	1	01/27/06 22:45
Benzo[g,h,i]perylene	230 J		380	1.9	µg/Kg-dry	1	01/27/06 22:45

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:20:40 A

Sample Size: 30 g

%Moisture: 12.3

TestCode: 8270S TAGML

Lab ID: 0601049-017B

Client Sample ID: BH-29-S

Collection Date: 01/11/06 16:05

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3933.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	280	J	380	2.4	µg/Kg-dry	1	01/27/06 22:45
Benzoic acid	ND		1900	120	µg/Kg-dry	1	01/27/06 22:45
Benzyl alcohol	ND		380	4.2	µg/Kg-dry	1	01/27/06 22:45
bis(2-Chloroethoxy)methane	ND		380	1.4	µg/Kg-dry	1	01/27/06 22:45
bis(2-chloroethyl)ether	ND		380	2.2	µg/Kg-dry	1	01/27/06 22:45
bis(2-chloroisopropyl)ether	ND		380	2.2	µg/Kg-dry	1	01/27/06 22:45
bis(2-Ethylhexyl)phthalate	180	J	380	12	µg/Kg-dry	1	01/27/06 22:45
Butyl benzyl phthalate	ND		380	2.5	µg/Kg-dry	1	01/27/06 22:45
Chrysene	560		380	1.8	µg/Kg-dry	1	01/27/06 22:45
Di-n-butyl phthalate	110	J	380	3.1	µg/Kg-dry	1	01/27/06 22:45
Di-n-octyl phthalate	ND		380	1.8	µg/Kg-dry	1	01/27/06 22:45
Dibenz[a,h]anthracene	81	J	380	1.5	µg/Kg-dry	1	01/27/06 22:45
Dibenzofuran	49	J	380	1.7	µg/Kg-dry	1	01/27/06 22:45
Diethyl phthalate	ND		380	2.7	µg/Kg-dry	1	01/27/06 22:45
Dimethyl phthalate	ND		380	1.9	µg/Kg-dry	1	01/27/06 22:45
Fluoranthene	1200		380	1.7	µg/Kg-dry	1	01/27/06 22:45
Fluorene	53	J	380	1.9	µg/Kg-dry	1	01/27/06 22:45
Hexachlorobenzene	ND		380	3.0	µg/Kg-dry	1	01/27/06 22:45
Hexachlorobutadiene	ND		380	4.0	µg/Kg-dry	1	01/27/06 22:45
Hexachlorocyclopentadiene	ND		380	15	µg/Kg-dry	1	01/27/06 22:45
Hexachloroethane	ND		380	4.1	µg/Kg-dry	1	01/27/06 22:45
Indeno[1,2,3-cd]pyrene	160	J	380	1.5	µg/Kg-dry	1	01/27/06 22:45
Isophorone	ND		380	1.8	µg/Kg-dry	1	01/27/06 22:45
N-Nitroso-di-n-propylamine	ND		380	3.2	µg/Kg-dry	1	01/27/06 22:45
N-Nitrosodiphenylamine	ND		380	1.8	µg/Kg-dry	1	01/27/06 22:45
Naphthalene	43	J	380	1.1	µg/Kg-dry	1	01/27/06 22:45
Nitrobenzene	ND		380	2.3	µg/Kg-dry	1	01/27/06 22:45
Pentachlorophenol	ND		1900	31	µg/Kg-dry	1	01/27/06 22:45
Phenanthrene	820		380	1.4	µg/Kg-dry	1	01/27/06 22:45
Phenol	ND		380	1.5	µg/Kg-dry	1	01/27/06 22:45
Pyrene	1100		380	1.8	µg/Kg-dry	1	01/27/06 22:45
Surr: 2,4,6-Tribromophenol	90.0		20-143	0	%REC	1	01/27/06 22:45
Surr: 2-Fluorobiphenyl	87.6		46-130	0	%REC	1	01/27/06 22:45
Surr: 2-Fluorophenol	58.4		22-130	0	%REC	1	01/27/06 22:45
Surr: Nitrobenzene-d5	65.3		39-130	0	%REC	1	01/27/06 22:45

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.3

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-017B

Client Sample ID: BH-29-S

Collection Date: 01/11/06 16:05

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3933.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: PhenoId5	56.1	33-130	0	%REC	1		01/27/06 22:45
Surr: Terphenyl-d14	109	36-146	0	%REC	1		01/27/06 22:45

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.3

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-017B

Client Sample ID: BH-29-S

Collection Date: 01/11/06 16:05

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: I-RA-N3961.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		380	3.0	µg/Kg-dry	1	01/31/06 3:25
1,2-Dichlorobenzene	ND		380	2.7	µg/Kg-dry	1	01/31/06 3:25
1,3-Dichlorobenzene	ND		380	1.8	µg/Kg-dry	1	01/31/06 3:25
1,4-Dichlorobenzene	ND		380	2.2	µg/Kg-dry	1	01/31/06 3:25
2,4,5-Trichlorophenol	ND		1900	37	µg/Kg-dry	1	01/31/06 3:25
2,4,6-Trichlorophenol	ND		380	3.5	µg/Kg-dry	1	01/31/06 3:25
2,4-Dichlorophenol	ND		380	3.5	µg/Kg-dry	1	01/31/06 3:25
2,4-Dimethylphenol	ND		380	3.2	µg/Kg-dry	1	01/31/06 3:25
2,4-Dinitrophenol	ND		1900	69	µg/Kg-dry	1	01/31/06 3:25
2,4-Dinitrotoluene	ND		380	3.1	µg/Kg-dry	1	01/31/06 3:25
2,6-Dinitrotoluene	ND		380	3.6	µg/Kg-dry	1	01/31/06 3:25
2-Chloronaphthalene	ND		380	1.8	µg/Kg-dry	1	01/31/06 3:25
2-Chlorophenol	ND		380	2.5	µg/Kg-dry	1	01/31/06 3:25
2-Methylnaphthalene	40 J		380	1.8	µg/Kg-dry	1	01/31/06 3:25
2-Methylphenol	ND		380	2.3	µg/Kg-dry	1	01/31/06 3:25
2-Nitroaniline	ND		1900	4.0	µg/Kg-dry	1	01/31/06 3:25
2-Nitrophenol	ND		380	4.3	µg/Kg-dry	1	01/31/06 3:25
3,3'-Dichlorobenzidine	ND		750	9.3	µg/Kg-dry	1	01/31/06 3:25
3-Nitroaniline	ND		1900	13	µg/Kg-dry	1	01/31/06 3:25
4,6-Dinitro-2-methylphenol	ND		1900	31	µg/Kg-dry	1	01/31/06 3:25
4-Bromophenyl phenyl ether	ND		380	2.6	µg/Kg-dry	1	01/31/06 3:25
4-Chloro-3-methylphenol	ND		380	3.0	µg/Kg-dry	1	01/31/06 3:25
4-Chloroaniline	ND		380	4.6	µg/Kg-dry	1	01/31/06 3:25
4-Chlorophenyl phenyl ether	ND		380	2.9	µg/Kg-dry	1	01/31/06 3:25
4-Methylphenol	ND		380	2.2	µg/Kg-dry	1	01/31/06 3:25
4-Nitroaniline	ND		1900	6.3	µg/Kg-dry	1	01/31/06 3:25
4-Nitrophenol	ND		1900	15	µg/Kg-dry	1	01/31/06 3:25
Acenaphthene	ND		380	1.3	µg/Kg-dry	1	01/31/06 3:25
Acenaphthylene	70 J		380	1.7	µg/Kg-dry	1	01/31/06 3:25
Aniline	ND		380	4.7	µg/Kg-dry	1	01/31/06 3:25
Anthracene	110 J		380	1.5	µg/Kg-dry	1	01/31/06 3:25
Benzo[a]anthracene	480		380	1.6	µg/Kg-dry	1	01/31/06 3:25
Benzo[a]pyrene	490		380	1.9	µg/Kg-dry	1	01/31/06 3:25
Benzo[b]fluoranthene	790		380	2.7	µg/Kg-dry	1	01/31/06 3:25
Benzo[g,h,i]perylene	240 J		380	1.9	µg/Kg-dry	1	01/31/06 3:25

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 12.3

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-017B

Client Sample ID: BH-29-S

Collection Date: 01/11/06 16:05

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3961.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	280 J	380		2.4	µg/Kg-dry	1	01/31/06 3:25
Benzoic acid	ND	1900		120	µg/Kg-dry	1	01/31/06 3:25
Benzyl alcohol	ND	380		4.2	µg/Kg-dry	1	01/31/06 3:25
bis(2-Chloroethoxy)methane	ND	380		1.4	µg/Kg-dry	1	01/31/06 3:25
bis(2-chloroethyl)ether	ND	380		2.2	µg/Kg-dry	1	01/31/06 3:25
bis(2-chloroisopropyl)ether	ND	380		2.2	µg/Kg-dry	1	01/31/06 3:25
bis(2-Ethylhexyl)phthalate	210 J	380		12	µg/Kg-dry	1	01/31/06 3:25
Butyl benzyl phthalate	ND	380		2.5	µg/Kg-dry	1	01/31/06 3:25
Chrysene	550	380		1.8	µg/Kg-dry	1	01/31/06 3:25
Di-n-butyl phthalate	110 J	380		3.1	µg/Kg-dry	1	01/31/06 3:25
Di-n-octyl phthalate	ND	380		1.8	µg/Kg-dry	1	01/31/06 3:25
Dibenz[a,h]anthracene	82 J	380		1.5	µg/Kg-dry	1	01/31/06 3:25
Dibenzofuran	50 J	380		1.7	µg/Kg-dry	1	01/31/06 3:25
Diethyl phthalate	ND	380		2.7	µg/Kg-dry	1	01/31/06 3:25
Dimethyl phthalate	ND	380		1.9	µg/Kg-dry	1	01/31/06 3:25
Fluoranthene	1100	380		1.7	µg/Kg-dry	1	01/31/06 3:25
Fluorene	51 J	380		1.9	µg/Kg-dry	1	01/31/06 3:25
Hexachlorobenzene	ND	380		3.0	µg/Kg-dry	1	01/31/06 3:25
Hexachlorobutadiene	ND	380		4.0	µg/Kg-dry	1	01/31/06 3:25
Hexachlorocyclopentadiene	ND	380		15	µg/Kg-dry	1	01/31/06 3:25
Hexachloroethane	ND	380		4.1	µg/Kg-dry	1	01/31/06 3:25
Indeno[1,2,3-cd]pyrene	140 J	380		1.5	µg/Kg-dry	1	01/31/06 3:25
Isophorone	ND	380		1.8	µg/Kg-dry	1	01/31/06 3:25
N-Nitroso-di-n-propylamine	ND	380		3.2	µg/Kg-dry	1	01/31/06 3:25
N-Nitrosodiphenylamine	ND	380		1.8	µg/Kg-dry	1	01/31/06 3:25
Naphthalene	40 J	380		1.1	µg/Kg-dry	1	01/31/06 3:25
Nitrobenzene	ND	380		2.3	µg/Kg-dry	1	01/31/06 3:25
Pentachlorophenol	ND	1900		31	µg/Kg-dry	1	01/31/06 3:25
Phenanthrene	800	380		1.4	µg/Kg-dry	1	01/31/06 3:25
Phenol	ND	380		1.5	µg/Kg-dry	1	01/31/06 3:25
Pyrene	1200	380		1.8	µg/Kg-dry	1	01/31/06 3:25
Surr: 2,4,6-Tribromophenol	80.6	20-143		0	%REC	1	01/31/06 3:25
Surr: 2-Fluorobiphenyl	97.8	46-130		0	%REC	1	01/31/06 3:25
Surr: 2-Fluorophenol	64.1	22-130		0	%REC	1	01/31/06 3:25
Surr: Nitrobenzene-d5	70.1	39-130		0	%REC	1	01/31/06 3:25

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	Lab ID:	0601049-017B
Project:	Geneva Foundry	Client Sample ID:	BH-29-S
W Order:	0601049	Collection Date:	01/11/06 16:05
Matrix:	SOIL	Date Received:	01/12/06 7:50
Inst. ID:	MS05 26	Sample Size:	30 g
ColumnID:	ZB-5	%Moisture:	12.3
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAGML
		PrepDate:	01/13/06 8:14 A
		BatchNo:	2374/R4381
		FileID:	1-RA-N3961.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr. Phenol-d5	64.1	33-130	0	%REC	1		01/31/06 3:25
Surr. Terphenyl-d14	135	36-146	0	%REC	1		01/31/06 3:25

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:20:40 A

Sample Size: 30 g

%Moisture: 20.4

TestCode: 8270S TAGML

Lab ID: 0601049-018B

Client Sample ID: BH-29-D

Collection Date: 01/11/06 16:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3934.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		410	3.3	µg/Kg-dry	1	01/27/06 23:23
1,2-Dichlorobenzene	ND		410	2.9	µg/Kg-dry	1	01/27/06 23:23
1,3-Dichlorobenzene	ND		410	2.0	µg/Kg-dry	1	01/27/06 23:23
1,4-Dichlorobenzene	ND		410	2.4	µg/Kg-dry	1	01/27/06 23:23
2,4,5-Trichlorophenol	ND		2100	41	µg/Kg-dry	1	01/27/06 23:23
2,4,6-Trichlorophenol	ND		410	3.9	µg/Kg-dry	1	01/27/06 23:23
2,4-Dichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/27/06 23:23
2,4-Dimethylphenol	ND		410	3.5	µg/Kg-dry	1	01/27/06 23:23
2,4-Dinitrophenol	ND		2100	76	µg/Kg-dry	1	01/27/06 23:23
2,4-Dinitrotoluene	ND		410	3.5	µg/Kg-dry	1	01/27/06 23:23
2,6-Dinitrotoluene	ND		410	4.0	µg/Kg-dry	1	01/27/06 23:23
2-Chloronaphthalene	ND		410	2.0	µg/Kg-dry	1	01/27/06 23:23
2-Chlorophenol	ND		410	2.7	µg/Kg-dry	1	01/27/06 23:23
2-Methylnaphthalene	ND		410	2.0	µg/Kg-dry	1	01/27/06 23:23
2-Methylphenol	ND		410	2.6	µg/Kg-dry	1	01/27/06 23:23
2-Nitroaniline	ND		2100	4.4	µg/Kg-dry	1	01/27/06 23:23
2-Nitrophenol	ND		410	4.8	µg/Kg-dry	1	01/27/06 23:23
3,3'-Dichlorobenzidine	ND		830	10	µg/Kg-dry	1	01/27/06 23:23
3-Nitroaniline	ND		2100	14	µg/Kg-dry	1	01/27/06 23:23
4,6-Dinitro-2-methylphenol	ND		2100	34	µg/Kg-dry	1	01/27/06 23:23
4-Bromophenyl phenyl ether	ND		410	2.9	µg/Kg-dry	1	01/27/06 23:23
4-Chloro-3-methylphenol	ND		410	3.3	µg/Kg-dry	1	01/27/06 23:23
4-Chloroaniline	ND		410	5.1	µg/Kg-dry	1	01/27/06 23:23
4-Chlorophenyl phenyl ether	ND		410	3.2	µg/Kg-dry	1	01/27/06 23:23
4-Methylphenol	ND		410	2.4	µg/Kg-dry	1	01/27/06 23:23
4-Nitroaniline	ND		2100	6.9	µg/Kg-dry	1	01/27/06 23:23
4-Nitrophenol	ND		2100	17	µg/Kg-dry	1	01/27/06 23:23
Acenaphthene	ND		410	1.5	µg/Kg-dry	1	01/27/06 23:23
Acenaphthylene	ND		410	1.9	µg/Kg-dry	1	01/27/06 23:23
Aniline	ND		410	5.2	µg/Kg-dry	1	01/27/06 23:23
Anthracene	ND		410	1.7	µg/Kg-dry	1	01/27/06 23:23
Benzo[a]anthracene	ND		410	1.8	µg/Kg-dry	1	01/27/06 23:23
Benzo[a]pyrene	ND		410	2.1	µg/Kg-dry	1	01/27/06 23:23
Benzo[b]fluoranthene	ND		410	3.0	µg/Kg-dry	1	01/27/06 23:23
Benzo[g,h,i]perylene	ND		410	2.1	µg/Kg-dry	1	01/27/06 23:23

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:20:40 A

Sample Size: 30 g

%Moisture: 20.4

TestCode: 8270S TAGML

Lab ID: 0601049-018B

Client Sample ID: BH-29-D

Collection Date: 01/11/06 16:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3934.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND	410		2.7	µg/Kg-dry	1	01/27/06 23:23
Benzoic acid	ND	2100		130	µg/Kg-dry	1	01/27/06 23:23
Benzyl alcohol	ND	410		4.6	µg/Kg-dry	1	01/27/06 23:23
bis(2-Chloroethoxy)methane	ND	410		1.6	µg/Kg-dry	1	01/27/06 23:23
bis(2-chloroethyl)ether	ND	410		2.4	µg/Kg-dry	1	01/27/06 23:23
bis(2-chloroisopropyl)ether	ND	410		2.4	µg/Kg-dry	1	01/27/06 23:23
bis(2-Ethylhexyl)phthalate	ND	410		14	µg/Kg-dry	1	01/27/06 23:23
Butyl benzyl phthalate	ND	410		2.7	µg/Kg-dry	1	01/27/06 23:23
Chrysene	ND	410		2.0	µg/Kg-dry	1	01/27/06 23:23
Di-n-butyl phthalate	ND	410		3.5	µg/Kg-dry	1	01/27/06 23:23
Di-n-octyl phthalate	ND	410		2.0	µg/Kg-dry	1	01/27/06 23:23
Dibenz[a,h]anthracene	ND	410		1.7	µg/Kg-dry	1	01/27/06 23:23
Dibenzofuran	ND	410		1.8	µg/Kg-dry	1	01/27/06 23:23
Diethyl phthalate	ND	410		3.0	µg/Kg-dry	1	01/27/06 23:23
Dimethyl phthalate	ND	410		2.1	µg/Kg-dry	1	01/27/06 23:23
Fluoranthene	ND	410		1.9	µg/Kg-dry	1	01/27/06 23:23
Fluorene	ND	410		2.1	µg/Kg-dry	1	01/27/06 23:23
Hexachlorobenzene	ND	410		3.3	µg/Kg-dry	1	01/27/06 23:23
Hexachlorobutadiene	ND	410		4.4	µg/Kg-dry	1	01/27/06 23:23
Hexachlorocyclopentadiene	ND	410		16	µg/Kg-dry	1	01/27/06 23:23
Hexachloroethane	ND	410		4.5	µg/Kg-dry	1	01/27/06 23:23
Indeno[1,2,3-cd]pyrene	ND	410		1.7	µg/Kg-dry	1	01/27/06 23:23
Isophorone	ND	410		2.0	µg/Kg-dry	1	01/27/06 23:23
N-Nitroso-di-n-propylamine	ND	410		3.6	µg/Kg-dry	1	01/27/06 23:23
N-Nitrosodiphenylamine	ND	410		2.0	µg/Kg-dry	1	01/27/06 23:23
Naphthalene	ND	410		1.3	µg/Kg-dry	1	01/27/06 23:23
Nitrobenzene	ND	410		2.5	µg/Kg-dry	1	01/27/06 23:23
Pentachlorophenol	ND	2100		35	µg/Kg-dry	1	01/27/06 23:23
Phenanthrene	ND	410		1.5	µg/Kg-dry	1	01/27/06 23:23
Phenol	ND	410		1.7	µg/Kg-dry	1	01/27/06 23:23
Pyrene	ND	410		2.0	µg/Kg-dry	1	01/27/06 23:23
Surr: 2,4,6-Tribromophenol	124	20-143		0	%REC	1	01/27/06 23:23
Surr: 2-Fluorobiphenyl	92.3	46-130		0	%REC	1	01/27/06 23:23
Surr: 2-Fluorophenol	66.6	22-130		0	%REC	1	01/27/06 23:23
Surr: Nitrobenzene-d5	77.5	39-130		0	%REC	1	01/27/06 23:23

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.4

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-018B

Client Sample ID: BH-29-D

Collection Date: 01/11/06 16:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3934.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	62.1	33-130	0	%REC	1		01/27/06 23:23
Surr: Terphenyl-d14	109	36-146	0	%REC	1		01/27/06 23:23

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.4

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-018B

Client Sample ID: BH-29-D

Collection Date: 01/11/06 16:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3950.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		410	3.3	µg/Kg-dry	1	01/30/06 20:32
1,2-Dichlorobenzene	ND		410	2.9	µg/Kg-dry	1	01/30/06 20:32
1,3-Dichlorobenzene	ND		410	2.0	µg/Kg-dry	1	01/30/06 20:32
1,4-Dichlorobenzene	ND		410	2.4	µg/Kg-dry	1	01/30/06 20:32
2,4,5-Trichlorophenol	ND		2100	41	µg/Kg-dry	1	01/30/06 20:32
2,4,6-Trichlorophenol	ND		410	3.9	µg/Kg-dry	1	01/30/06 20:32
2,4-Dichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/30/06 20:32
2,4-Dimethylphenol	ND		410	3.5	µg/Kg-dry	1	01/30/06 20:32
2,4-Dinitrophenol	ND		2100	76	µg/Kg-dry	1	01/30/06 20:32
2,4-Dinitrotoluene	ND		410	3.5	µg/Kg-dry	1	01/30/06 20:32
2,6-Dinitrotoluene	ND		410	4.0	µg/Kg-dry	1	01/30/06 20:32
2-Chloronaphthalene	ND		410	2.0	µg/Kg-dry	1	01/30/06 20:32
2-Chlorophenol	ND		410	2.7	µg/Kg-dry	1	01/30/06 20:32
2-Methylnaphthalene	ND		410	2.0	µg/Kg-dry	1	01/30/06 20:32
2-Methylphenol	ND		410	2.6	µg/Kg-dry	1	01/30/06 20:32
2-Nitroaniline	ND		2100	4.4	µg/Kg-dry	1	01/30/06 20:32
2-Nitrophenol	ND		410	4.8	µg/Kg-dry	1	01/30/06 20:32
3,3'-Dichlorobenzidine	ND		830	10	µg/Kg-dry	1	01/30/06 20:32
3-Nitroaniline	ND		2100	14	µg/Kg-dry	1	01/30/06 20:32
4,8-Dinitro-2-methylphenol	ND		2100	34	µg/Kg-dry	1	01/30/06 20:32
4-Bromophenyl phenyl ether	ND		410	2.9	µg/Kg-dry	1	01/30/06 20:32
4-Chloro-3-methylphenol	ND		410	3.3	µg/Kg-dry	1	01/30/06 20:32
4-Chloroaniline	ND		410	5.1	µg/Kg-dry	1	01/30/06 20:32
4-Chlorophenyl phenyl ether	ND		410	3.2	µg/Kg-dry	1	01/30/06 20:32
4-Methylphenol	ND		410	2.4	µg/Kg-dry	1	01/30/06 20:32
4-Nitroaniline	ND		2100	6.9	µg/Kg-dry	1	01/30/06 20:32
4-Nitrophenol	ND		2100	17	µg/Kg-dry	1	01/30/06 20:32
Acenaphthene	ND		410	1.5	µg/Kg-dry	1	01/30/06 20:32
Acenaphthylene	ND		410	1.9	µg/Kg-dry	1	01/30/06 20:32
Aniline	ND		410	5.2	µg/Kg-dry	1	01/30/06 20:32
Anthracene	ND		410	1.7	µg/Kg-dry	1	01/30/06 20:32
Benzo[a]anthracene	ND		410	1.8	µg/Kg-dry	1	01/30/06 20:32
Benzo[a]pyrene	ND		410	2.1	µg/Kg-dry	1	01/30/06 20:32
Benzo[b]fluoranthene	ND		410	3.0	µg/Kg-dry	1	01/30/06 20:32
Benzo[g,h,i]perylene	ND		410	2.1	µg/Kg-dry	1	01/30/06 20:32

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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Life Science Laboratories, Inc.

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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.4

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-018B

Client Sample ID: BH-29-D

Collection Date: 01/11/06 16:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3950.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND	410		2.7	µg/Kg-dry	1	01/30/06 20:32
Benzoic acid	ND	2100		130	µg/Kg-dry	1	01/30/06 20:32
Benzyl alcohol	ND	410		4.6	µg/Kg-dry	1	01/30/06 20:32
bis(2-Chloroethoxy)methane	ND	410		1.6	µg/Kg-dry	1	01/30/06 20:32
bis(2-chloroethyl)ether	ND	410		2.4	µg/Kg-dry	1	01/30/06 20:32
bis(2-chloroisopropyl)ether	ND	410		2.4	µg/Kg-dry	1	01/30/06 20:32
bis(2-Ethylhexyl)phthalate	ND	410		14	µg/Kg-dry	1	01/30/06 20:32
Butyl benzyl phthalate	ND	410		2.7	µg/Kg-dry	1	01/30/06 20:32
Chrysene	ND	410		2.0	µg/Kg-dry	1	01/30/06 20:32
Di-n-butyl phthalate	ND	410		3.5	µg/Kg-dry	1	01/30/06 20:32
Di-n-octyl phthalate	ND	410		2.0	µg/Kg-dry	1	01/30/06 20:32
Dibenz[a,h]anthracene	ND	410		1.7	µg/Kg-dry	1	01/30/06 20:32
Dibenzofuran	ND	410		1.8	µg/Kg-dry	1	01/30/06 20:32
Diethyl phthalate	ND	410		3.0	µg/Kg-dry	1	01/30/06 20:32
Dimethyl phthalate	ND	410		2.1	µg/Kg-dry	1	01/30/06 20:32
Fluoranthene	ND	410		1.9	µg/Kg-dry	1	01/30/06 20:32
Fluorene	ND	410		2.1	µg/Kg-dry	1	01/30/06 20:32
Hexachlorobenzene	ND	410		3.3	µg/Kg-dry	1	01/30/06 20:32
Hexachlorobutadiene	ND	410		4.4	µg/Kg-dry	1	01/30/06 20:32
Hexachlorocyclopentadiene	ND	410		16	µg/Kg-dry	1	01/30/06 20:32
Hexachloroethane	ND	410		4.5	µg/Kg-dry	1	01/30/06 20:32
Indeno[1,2,3-cd]pyrene	ND	410		1.7	µg/Kg-dry	1	01/30/06 20:32
Isophorone	ND	410		2.0	µg/Kg-dry	1	01/30/06 20:32
N-Nitroso-di-n-propylamine	ND	410		3.6	µg/Kg-dry	1	01/30/06 20:32
N-Nitrosodiphenylamine	ND	410		2.0	µg/Kg-dry	1	01/30/06 20:32
Naphthalene	ND	410		1.3	µg/Kg-dry	1	01/30/06 20:32
Nitrobenzene	ND	410		2.5	µg/Kg-dry	1	01/30/06 20:32
Pentachlorophenol	ND	2100		35	µg/Kg-dry	1	01/30/06 20:32
Phenanthrene	ND	410		1.5	µg/Kg-dry	1	01/30/06 20:32
Phenol	ND	410		1.7	µg/Kg-dry	1	01/30/06 20:32
Pyrene	ND	410		2.0	µg/Kg-dry	1	01/30/06 20:32
Surr: 2,4,6-Tribromophenol	119	20-143		0	%REC	1	01/30/06 20:32
Surr: 2-Fluorobiphenyl	98.7	46-130		0	%REC	1	01/30/06 20:32
Surr: 2-Fluorophenol	74.5	22-130		0	%REC	1	01/30/06 20:32
Surr: Nitrobenzene-d5	86.5	39-130		0	%REC	1	01/30/06 20:32

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.4

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-018B

Client Sample ID: BH-29-D

Collection Date: 01/11/06 16:20

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3950.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	69.2	33-130	0		%REC	1	01/30/06 20:32
Surr: Terphenyl-d14	106	36-146	0		%REC	1	01/30/06 20:32

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:20:40 A

Sample Size: 30 g

%Moisture: 18.6

TestCode: 8270S TAGML

Lab ID: 0601049-019B

Client Sample ID: BH-34-S

Collection Date: 01/11/06 14:30

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3937.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		20000	160	µg/Kg-dry	10	01/28/06 1:15
1,2-Dichlorobenzene	ND		20000	140	µg/Kg-dry	10	01/28/06 1:15
1,3-Dichlorobenzene	ND		20000	97	µg/Kg-dry	10	01/28/06 1:15
1,4-Dichlorobenzene	ND		20000	120	µg/Kg-dry	10	01/28/06 1:15
2,4,5-Trichlorophenol	ND		100000	2000	µg/Kg-dry	10	01/28/06 1:15
2,4,6-Trichlorophenol	ND		20000	190	µg/Kg-dry	10	01/28/06 1:15
2,4-Dichlorophenol	ND		20000	190	µg/Kg-dry	10	01/28/06 1:15
2,4-Dimethylphenol	ND		20000	170	µg/Kg-dry	10	01/28/06 1:15
2,4-Dinitrophenol	ND		100000	3700	µg/Kg-dry	10	01/28/06 1:15
2,4-Dinitrotoluene	ND		20000	170	µg/Kg-dry	10	01/28/06 1:15
2,6-Dinitrotoluene	ND		20000	200	µg/Kg-dry	10	01/28/06 1:15
2-Chloronaphthalene	ND		20000	97	µg/Kg-dry	10	01/28/06 1:15
2-Chlorophenol	ND		20000	130	µg/Kg-dry	10	01/28/06 1:15
2-Methylnaphthalene	ND		20000	98	µg/Kg-dry	10	01/28/06 1:15
2-Methylphenol	ND		20000	130	µg/Kg-dry	10	01/28/06 1:15
2-Nitroaniline	ND		100000	210	µg/Kg-dry	10	01/28/06 1:15
2-Nitrophenol	ND		20000	230	µg/Kg-dry	10	01/28/06 1:15
3,3'-Dichlorobenzidine	ND		41000	500	µg/Kg-dry	10	01/28/06 1:15
3-Nitroaniline	ND		100000	690	µg/Kg-dry	10	01/28/06 1:15
4,6-Dinitro-2-methylphenol	ND		100000	1700	µg/Kg-dry	10	01/28/06 1:15
4-Bromophenyl phenyl ether	ND		20000	140	µg/Kg-dry	10	01/28/06 1:15
4-Chloro-3-methylphenol	ND		20000	160	µg/Kg-dry	10	01/28/06 1:15
4-Chloroaniline	ND		20000	250	µg/Kg-dry	10	01/28/06 1:15
4-Chlorophenyl phenyl ether	ND		20000	160	µg/Kg-dry	10	01/28/06 1:15
4-Methylphenol	ND		20000	120	µg/Kg-dry	10	01/28/06 1:15
4-Nitroaniline	ND		100000	340	µg/Kg-dry	10	01/28/06 1:15
4-Nitrophenol	ND		100000	810	µg/Kg-dry	10	01/28/06 1:15
Acenaphthene	ND		20000	72	µg/Kg-dry	10	01/28/06 1:15
Acenaphthylene	ND		20000	91	µg/Kg-dry	10	01/28/06 1:15
Aniline	ND		20000	250	µg/Kg-dry	10	01/28/06 1:15
Anthracene	ND		20000	83	µg/Kg-dry	10	01/28/06 1:15
Benzo[a]anthracene	ND		20000	87	µg/Kg-dry	10	01/28/06 1:15
Benzo[a]pyrene	ND		20000	100	µg/Kg-dry	10	01/28/06 1:15
Benzo[b]fluoranthene	ND		20000	150	µg/Kg-dry	10	01/28/06 1:15
Benzo[g,h,i]perylene	ND		20000	100	µg/Kg-dry	10	01/28/06 1:15

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 18.6

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-019B

Client Sample ID: BH-34-S

Collection Date: 01/11/06 14:30

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3937.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		20000	130	µg/Kg-dry	10	01/28/06 1:15
Benzoic acid	ND		100000	6500	µg/Kg-dry	10	01/28/06 1:15
Benzyl alcohol	ND		20000	230	µg/Kg-dry	10	01/28/06 1:15
bis(2-Chloroethoxy)methane	ND		20000	78	µg/Kg-dry	10	01/28/06 1:15
bis(2-chloroethyl)ether	ND		20000	120	µg/Kg-dry	10	01/28/06 1:15
bis(2-chloroisopropyl)ether	ND		20000	120	µg/Kg-dry	10	01/28/06 1:15
bis(2-Ethylhexyl)phthalate	ND		20000	670	µg/Kg-dry	10	01/28/06 1:15
Butyl benzyl phthalate	ND		20000	130	µg/Kg-dry	10	01/28/06 1:15
Chrysene	ND		20000	96	µg/Kg-dry	10	01/28/06 1:15
Di-n-butyl phthalate	ND		20000	170	µg/Kg-dry	10	01/28/06 1:15
Di-n-octyl phthalate	ND		20000	96	µg/Kg-dry	10	01/28/06 1:15
Dibenz[a,h]anthracene	ND		20000	82	µg/Kg-dry	10	01/28/06 1:15
Dibenzofuran	ND		20000	89	µg/Kg-dry	10	01/28/06 1:15
Diethyl phthalate	ND		20000	150	µg/Kg-dry	10	01/28/06 1:15
Dimethyl phthalate	ND		20000	100	µg/Kg-dry	10	01/28/06 1:15
Fluoranthene	ND		20000	94	µg/Kg-dry	10	01/28/06 1:15
Fluorene	ND		20000	100	µg/Kg-dry	10	01/28/06 1:15
Hexachlorobenzene	ND		20000	160	µg/Kg-dry	10	01/28/06 1:15
Hexachlorobutadiene	ND		20000	220	µg/Kg-dry	10	01/28/06 1:15
Hexachlorocyclopentadiene	ND		20000	790	µg/Kg-dry	10	01/28/06 1:15
Hexachloroethane	ND		20000	220	µg/Kg-dry	10	01/28/06 1:15
Indeno[1,2,3-cd]pyrene	ND		20000	82	µg/Kg-dry	10	01/28/06 1:15
Isophorone	ND		20000	98	µg/Kg-dry	10	01/28/06 1:15
N-Nitroso-di-n-propylamine	ND		20000	170	µg/Kg-dry	10	01/28/06 1:15
N-Nitrosodiphenylamine	ND		20000	96	µg/Kg-dry	10	01/28/06 1:15
Naphthalene	ND		20000	81	µg/Kg-dry	10	01/28/06 1:15
Nitrobenzene	ND		20000	120	µg/Kg-dry	10	01/28/06 1:15
Pentachlorophenol	ND		100000	1700	µg/Kg-dry	10	01/28/06 1:15
Phenanthrene	ND		20000	73	µg/Kg-dry	10	01/28/08 1:15
Phenol	ND		20000	83	µg/Kg-dry	10	01/28/06 1:15
Pyrene	ND		20000	98	µg/Kg-dry	10	01/28/06 1:15
Surr: 2,4,6-Tribromophenol	99.4		20-143	0	%REC	10	01/28/06 1:15
Surr: 2-Fluorobiphenyl	93.0		46-130	0	%REC	10	01/28/06 1:15
Surr: 2-Fluorophenol	60.1		22-130	0	%REC	10	01/28/06 1:15
Surr: Nitrobenzene-d5	72.5		39-130	0	%REC	10	01/28/06 1:15

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 18.6

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-019B

Client Sample ID: BH-34-S

Collection Date: 01/11/06 14:30

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3937.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr. Phenol-d5	58.7	33-130	0	%REC	10		01/28/06 1:15
Surr. Terphenyl-d14	123	36-146	0	%REC	10		01/28/06 1:15

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:37:14 A

Sample Size: 30 g

%Moisture: 18.6

TestCode: 8270S TAGML

Lab ID: 0601049-019B

Client Sample ID: BH-34-S

Collection Date: 01/11/06 14:30

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3962.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		20000	160	µg/Kg-dry	10	01/31/06 4:03
1,2-Dichlorobenzene	ND		20000	140	µg/Kg-dry	10	01/31/06 4:03
1,3-Dichlorobenzene	ND		20000	97	µg/Kg-dry	10	01/31/06 4:03
1,4-Dichlorobenzene	ND		20000	120	µg/Kg-dry	10	01/31/06 4:03
2,4,5-Trichlorophenol	ND		100000	2000	µg/Kg-dry	10	01/31/06 4:03
2,4,6-Trichlorophenol	ND		20000	190	µg/Kg-dry	10	01/31/06 4:03
2,4-Dichlorophenol	ND		20000	190	µg/Kg-dry	10	01/31/06 4:03
2,4-Dimethylphenol	ND		20000	170	µg/Kg-dry	10	01/31/06 4:03
2,4-Dinitrophenol	ND		100000	3700	µg/Kg-dry	10	01/31/06 4:03
2,4-Dinitrotoluene	ND		20000	170	µg/Kg-dry	10	01/31/06 4:03
2,6-Dinitrotoluene	ND		20000	200	µg/Kg-dry	10	01/31/06 4:03
2-Chloronaphthalene	ND		20000	97	µg/Kg-dry	10	01/31/06 4:03
2-Chlorophenol	ND		20000	130	µg/Kg-dry	10	01/31/06 4:03
2-Methylnaphthalene	ND		20000	98	µg/Kg-dry	10	01/31/06 4:03
2-Methylphenol	ND		20000	130	µg/Kg-dry	10	01/31/06 4:03
2-Nitroaniline	ND		100000	210	µg/Kg-dry	10	01/31/06 4:03
2-Nitrophenol	ND		20000	230	µg/Kg-dry	10	01/31/06 4:03
3,3'-Dichlorobenzidine	ND		41000	500	µg/Kg-dry	10	01/31/06 4:03
3-Nitroaniline	ND		100000	690	µg/Kg-dry	10	01/31/06 4:03
4,6-Dinitro-2-methylphenol	ND		100000	1700	µg/Kg-dry	10	01/31/06 4:03
4-Bromophenyl phenyl ether	ND		20000	140	µg/Kg-dry	10	01/31/06 4:03
4-Chloro-3-methylphenol	ND		20000	160	µg/Kg-dry	10	01/31/06 4:03
4-Chloroaniline	ND		20000	250	µg/Kg-dry	10	01/31/06 4:03
4-Chlorophenyl phenyl ether	ND		20000	160	µg/Kg-dry	10	01/31/06 4:03
4-Methylphenol	ND		20000	120	µg/Kg-dry	10	01/31/06 4:03
4-Nitroaniline	ND		100000	340	µg/Kg-dry	10	01/31/06 4:03
4-Nitrophenol	ND		100000	810	µg/Kg-dry	10	01/31/06 4:03
Acenaphthene	ND		20000	72	µg/Kg-dry	10	01/31/06 4:03
Acenaphthylene	ND		20000	91	µg/Kg-dry	10	01/31/06 4:03
Aniline	ND		20000	250	µg/Kg-dry	10	01/31/06 4:03
Anthracene	ND		20000	83	µg/Kg-dry	10	01/31/06 4:03
Benzo[a]anthracene	ND		20000	87	µg/Kg-dry	10	01/31/06 4:03
Benzo[a]pyrene	ND		20000	100	µg/Kg-dry	10	01/31/06 4:03
Benzo[b]fluoranthene	ND		20000	150	µg/Kg-dry	10	01/31/06 4:03
Benzo[g,h,i]perylene	ND		20000	100	µg/Kg-dry	10	01/31/06 4:03

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

200



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 18.6

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-019B

Client Sample ID: BH-34-S

Collection Date: 01/11/06 14:30

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-RA-N3962.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND	20000	130	µg/Kg-dry	10	01/31/06 4:03	
Benzoic acid	ND	100000	6500	µg/Kg-dry	10	01/31/06 4:03	
Benzyl alcohol	ND	20000	230	µg/Kg-dry	10	01/31/06 4:03	
bis(2-Chloroethoxy)methane	ND	20000	78	µg/Kg-dry	10	01/31/06 4:03	
bis(2-chloroethyl)ether	ND	20000	120	µg/Kg-dry	10	01/31/06 4:03	
bis(2-chloroisopropyl)ether	ND	20000	120	µg/Kg-dry	10	01/31/06 4:03	
bis(2-Ethylhexyl)phthalate	ND	20000	670	µg/Kg-dry	10	01/31/06 4:03	
Butyl benzyl phthalate	ND	20000	130	µg/Kg-dry	10	01/31/06 4:03	
Chrysene	ND	20000	96	µg/Kg-dry	10	01/31/06 4:03	
Di-n-butyl phthalate	ND	20000	170	µg/Kg-dry	10	01/31/06 4:03	
Di-n-octyl phthalate	ND	20000	96	µg/Kg-dry	10	01/31/06 4:03	
Dibenz[a,h]anthracene	ND	20000	82	µg/Kg-dry	10	01/31/06 4:03	
Dibenzofuran	ND	20000	89	µg/Kg-dry	10	01/31/06 4:03	
Diethyl phthalate	ND	20000	150	µg/Kg-dry	10	01/31/06 4:03	
Dimethyl phthalate	ND	20000	100	µg/Kg-dry	10	01/31/06 4:03	
Fluoranthene	ND	20000	94	µg/Kg-dry	10	01/31/06 4:03	
Fluorene	ND	20000	100	µg/Kg-dry	10	01/31/06 4:03	
Hexachlorobenzene	ND	20000	160	µg/Kg-dry	10	01/31/06 4:03	
Hexachlorobutadiene	ND	20000	220	µg/Kg-dry	10	01/31/06 4:03	
Hexachlorocyclopentadiene	ND	20000	790	µg/Kg-dry	10	01/31/06 4:03	
Hexachloroethane	ND	20000	220	µg/Kg-dry	10	01/31/06 4:03	
Indeno[1,2,3-cd]pyrene	ND	20000	82	µg/Kg-dry	10	01/31/06 4:03	
Isophorone	ND	20000	98	µg/Kg-dry	10	01/31/06 4:03	
N-Nitroso-di-n-propylamine	ND	20000	170	µg/Kg-dry	10	01/31/06 4:03	
N-Nitrosodiphenylamine	ND	20000	96	µg/Kg-dry	10	01/31/06 4:03	
Naphthalene	ND	20000	61	µg/Kg-dry	10	01/31/06 4:03	
Nitrobenzene	ND	20000	120	µg/Kg-dry	10	01/31/06 4:03	
Pentachlorophenol	ND	100000	1700	µg/Kg-dry	10	01/31/06 4:03	
Phenanthrene	ND	20000	73	µg/Kg-dry	10	01/31/06 4:03	
Phenol	ND	20000	83	µg/Kg-dry	10	01/31/06 4:03	
Pyrene	ND	20000	98	µg/Kg-dry	10	01/31/06 4:03	
Surr: 2,4,6-Tribromophenol	77.4	20-143	0	%REC	10	01/31/06 4:03	
Surr: 2-Fluorobiphenyl	86.5	46-130	0	%REC	10	01/31/06 4:03	
Surr: 2-Fluorophenol	57.7	22-130	0	%REC	10	01/31/06 4:03	
Surr: Nitrobenzene-d5	68.5	39-130	0	%REC	10	01/31/06 4:03	

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	Lab ID:	0601049-019B
Project:	Geneva Foundry	Client Sample ID:	BH-34-S
W Order:	0601049	Collection Date:	01/11/06 14:30
Matrix:	SOIL	Date Received:	01/12/06 7:50
Inst. ID:	MS05 26	Sample Size:	30 g
ColumnID:	ZB-5	%Moisture:	18.6
Revision:	01/31/06 10:37:14 A	TestCode:	8270S TAGML
		PrepDate:	01/13/06 8:14 A
		BatchNo:	2374/R4381
		FileID:	1-RA-N3962.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	54.7	33-130	0	%REC	10		01/31/06 4:03
Surr: Terphenyl-d14	116	36-146	0	%REC	10		01/31/06 4:03

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:20:40 A

Sample Size: 30 g

%Moisture: 8.0

TestCode: 8270S TAGML

Lab ID: 0601049-020B

Client Sample ID: BH-34-D

Collection Date: 01/11/06 14:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: I-SAMP-N3935.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		360	2.8	µg/Kg-dry	1	01/28/06
1,2-Dichlorobenzene	ND		360	2.5	µg/Kg-dry	1	01/28/06
1,3-Dichlorobenzene	ND		360	1.7	µg/Kg-dry	1	01/28/06
1,4-Dichlorobenzene	ND		360	2.1	µg/Kg-dry	1	01/28/06
2,4,5-Trichlorophenol	ND		1800	36	µg/Kg-dry	1	01/28/06
2,4,6-Trichlorophenol	ND		360	3.3	µg/Kg-dry	1	01/28/06
2,4-Dichlorophenol	ND		360	3.3	µg/Kg-dry	1	01/28/06
2,4-Dimethylphenol	ND		360	3.1	µg/Kg-dry	1	01/28/06
2,4-Dinitrophenol	ND		1800	66	µg/Kg-dry	1	01/28/06
2,4-Dinitrotoluene	ND		360	3.0	µg/Kg-dry	1	01/28/06
2,6-Dinitrotoluene	ND		360	3.5	µg/Kg-dry	1	01/28/06
2-Chloronaphthalene	ND		360	1.7	µg/Kg-dry	1	01/28/06
2-Chlorophenol	ND		360	2.4	µg/Kg-dry	1	01/28/06
2-Methylnaphthalene	760		360	1.7	µg/Kg-dry	1	01/28/06
2-Methylphenol	590		360	2.2	µg/Kg-dry	1	01/28/06
2-Nitroaniline	ND		1800	3.8	µg/Kg-dry	1	01/28/06
2-Nitrophenol	ND		360	4.1	µg/Kg-dry	1	01/28/06
3,3'-Dichlorobenzidine	ND		720	8.9	µg/Kg-dry	1	01/28/06
3-Nitroaniline	ND		1800	12	µg/Kg-dry	1	01/28/06
4,6-Dinitro-2-methylphenol	ND		1800	29	µg/Kg-dry	1	01/28/06
4-Bromophenyl phenyl ether	ND		360	2.5	µg/Kg-dry	1	01/28/06
4-Chloro-3-methylphenol	ND		360	2.9	µg/Kg-dry	1	01/28/06
4-Chloroaniline	ND		360	4.4	µg/Kg-dry	1	01/28/06
4-Chlorophenyl phenyl ether	ND		360	2.7	µg/Kg-dry	1	01/28/06
4-Methylphenol	ND		360	2.1	µg/Kg-dry	1	01/28/06
4-Nitroaniline	ND		1800	6.0	µg/Kg-dry	1	01/28/06
4-Nitrophenol	ND		1800	14	µg/Kg-dry	1	01/28/06
Acenaphthene	ND		360	1.3	µg/Kg-dry	1	01/28/06
Acenaphthylene	ND		360	1.6	µg/Kg-dry	1	01/28/06
Aniline	ND		360	4.5	µg/Kg-dry	1	01/28/06
Anthracene	ND		360	1.5	µg/Kg-dry	1	01/28/06
Benzo[a]anthracene	45 J		360	1.5	µg/Kg-dry	1	01/28/06
Benzo[a]pyrene	62 J		360	1.8	µg/Kg-dry	1	01/28/06
Benzo[b]fluoranthene	94 J		360	2.6	µg/Kg-dry	1	01/28/06
Benzo[g,h,i]perylene	65 J		360	1.8	µg/Kg-dry	1	01/28/06

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 8.0

Revision: 01/31/06 10:20:40 A

TestCode: 8270S TAGML

Lab ID: 0601049-020B

Client Sample ID: BH-34-D

Collection Date: 01/11/06 14:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3935.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		360	2.3	µg/Kg-dry	1	01/28/06
Benzoic acid	ND		1800	110	µg/Kg-dry	1	01/28/06
Benzyl alcohol	ND		360	4.0	µg/Kg-dry	1	01/28/06
bis(2-Chloroethoxy)methane	ND		360	1.4	µg/Kg-dry	1	01/28/06
bis(2-chloroethyl)ether	ND		360	2.1	µg/Kg-dry	1	01/28/06
bis(2-chloroisopropyl)ether	ND		360	2.1	µg/Kg-dry	1	01/28/06
bis(2-Ethylhexyl)phthalate	190 J		360	12	µg/Kg-dry	1	01/28/06
Butyl benzyl phthalate	ND		360	2.4	µg/Kg-dry	1	01/28/06
Chrysene	75 J		360	1.7	µg/Kg-dry	1	01/28/06
Di-n-butyl phthalate	370		360	3.0	µg/Kg-dry	1	01/28/06
Di-n-octyl phthalate	ND		360	1.7	µg/Kg-dry	1	01/28/06
Dibenz[a,h]anthracene	ND		360	1.4	µg/Kg-dry	1	01/28/06
Dibenzofuran	73 J		360	1.6	µg/Kg-dry	1	01/28/06
Diethyl phthalate	ND		360	2.6	µg/Kg-dry	1	01/28/06
Dimethyl phthalate	ND		360	1.8	µg/Kg-dry	1	01/28/06
Fluoranthene	83 J		360	1.7	µg/Kg-dry	1	01/28/06
Fluorene	ND		360	1.8	µg/Kg-dry	1	01/28/06
Hexachlorobenzene	ND		360	2.9	µg/Kg-dry	1	01/28/06
Hexachlorobutadiene	ND		360	3.8	µg/Kg-dry	1	01/28/06
Hexachlorocyclopentadiene	ND		360	14	µg/Kg-dry	1	01/28/06
Hexachloroethane	ND		360	3.9	µg/Kg-dry	1	01/28/06
Indeno[1,2,3-cd]pyrene	ND		360	1.4	µg/Kg-dry	1	01/28/06
Isophorone	ND		360	1.7	µg/Kg-dry	1	01/28/06
N-Nitroso-di-n-propylamine	ND		360	3.1	µg/Kg-dry	1	01/28/06
N-Nitrosodiphenylamine	ND		360	1.7	µg/Kg-dry	1	01/28/06
Naphthalene	2700		360	1.1	µg/Kg-dry	1	01/28/06
Nitrobenzene	ND		360	2.2	µg/Kg-dry	1	01/28/06
Pentachlorophenol	ND		1800	30	µg/Kg-dry	1	01/28/06
Phenanthrene	480		360	1.3	µg/Kg-dry	1	01/28/06
Phenol	61000 E		360	1.5	µg/Kg-dry	1	01/28/06
Pyrene	140 J		380	1.7	µg/Kg-dry	1	01/28/06
Surr: 2,4,6-Tribromophenol	114		20-143	0	%REC	1	01/28/06
Surr: 2-Fluorobiphenyl	89.0		46-130	0	%REC	1	01/28/06
Surr: 2-Fluorophenol	63.8		22-130	0	%REC	1	01/28/06
Surr: Nitrobenzene-d5	72.6		39-130	0	%REC	1	01/28/06

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range.

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:20:40 A

Sample Size: 30 g

%Moisture: 8.0

TestCode: 8270S TAGML

Lab ID: 0601049-020B

Client Sample ID: BH-34-D

Collection Date: 01/11/06 14:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4380

FileID: 1-SAMP-N3935.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	71.6	33-130	0	%REC	1		01/28/06
Surr: Terphenyl-d14	119	36-146	0	%REC	1		01/28/06

Qualifiers:	B Analyte detected in the associated Method Blank	E Value exceeds the instrument calibration range
	H Holding times for preparation or analysis exceeded	J Analyte detected below the PQL
	ND Not Detected at the Practical Quantitation Limit (PQL)	P Prim./Conf. column %D or RPD exceeds limit
	S Spike Recovery outside accepted recovery limits	

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 8.0

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601049-020B

Client Sample ID: BH-34-D

Collection Date: 01/11/06 14:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-DL-N3948.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		9000	71	µg/Kg-dry	25	01/30/06 19:17
1,2-Dichlorobenzene	ND		9000	64	µg/Kg-dry	25	01/30/06 19:17
1,3-Dichlorobenzene	ND		9000	43	µg/Kg-dry	25	01/30/06 19:17
1,4-Dichlorobenzene	ND		9000	51	µg/Kg-dry	25	01/30/06 19:17
2,4,5-Trichlorophenol	ND		45000	890	µg/Kg-dry	25	01/30/06 19:17
2,4,6-Trichlorophenol	ND		9000	84	µg/Kg-dry	25	01/30/06 19:17
2,4-Dichlorophenol	ND		9000	83	µg/Kg-dry	25	01/30/06 19:17
2,4-Dimethylphenol	ND		9000	77	µg/Kg-dry	25	01/30/06 19:17
2,4-Dinitrophenol	ND		45000	1600	µg/Kg-dry	25	01/30/06 19:17
2,4-Dinitrotoluene	ND		9000	75	µg/Kg-dry	25	01/30/06 19:17
2,6-Dinitrotoluene	ND		9000	87	µg/Kg-dry	25	01/30/06 19:17
2-Chloronaphthalene	ND		9000	43	µg/Kg-dry	25	01/30/06 19:17
2-Chlorophenol	ND		9000	59	µg/Kg-dry	25	01/30/06 19:17
2-Methylnaphthalene	ND		9000	43	µg/Kg-dry	25	01/30/06 19:17
2-Methylphenol	ND		9000	55	µg/Kg-dry	25	01/30/06 19:17
2-Nitroaniline	ND		45000	95	µg/Kg-dry	25	01/30/06 19:17
2-Nitrophenol	ND		9000	100	µg/Kg-dry	25	01/30/06 19:17
3,3'-Dichlorobenzidine	ND		18000	220	µg/Kg-dry	25	01/30/06 19:17
3-Nitroaniline	ND		45000	310	µg/Kg-dry	25	01/30/06 19:17
4,6-Dinitro-2-methylphenol	ND		45000	730	µg/Kg-dry	25	01/30/06 19:17
4-Bromophenyl phenyl ether	ND		9000	63	µg/Kg-dry	25	01/30/06 19:17
4-Chloro-3-methylphenol	ND		9000	71	µg/Kg-dry	25	01/30/06 19:17
4-Chloroaniline	ND		9000	110	µg/Kg-dry	25	01/30/06 19:17
4-Chlorophenyl phenyl ether	ND		9000	69	µg/Kg-dry	25	01/30/06 19:17
4-Methylphenol	ND		9000	52	µg/Kg-dry	25	01/30/06 19:17
4-Nitroaniline	ND		45000	150	µg/Kg-dry	25	01/30/06 19:17
4-Nitrophenol	ND		45000	360	µg/Kg-dry	25	01/30/06 19:17
Acenaphthene	ND		9000	32	µg/Kg-dry	25	01/30/06 19:17
Acenaphthylene	ND		9000	40	µg/Kg-dry	25	01/30/06 19:17
Aniline	ND		9000	110	µg/Kg-dry	25	01/30/06 19:17
Anthracene	ND		9000	37	µg/Kg-dry	25	01/30/06 19:17
Benzo[a]anthracene	ND		9000	38	µg/Kg-dry	25	01/30/06 19:17
Benzo[a]pyrene	ND		9000	45	µg/Kg-dry	25	01/30/06 19:17
Benzo[b]fluoranthene	ND		9000	65	µg/Kg-dry	25	01/30/06 19:17
Benzo[g,h,i]perylene	ND		9000	46	µg/Kg-dry	25	01/30/06 19:17

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:37:14 A

Sample Size: 30 g

%Moisture: 8.0

TestCode: 8270S TAGML

Lab ID: 0601049-020B

Client Sample ID: BH-34-D

Collection Date: 01/11/06 14:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-DL-N3948.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND	9000	58	µg/Kg-dry	25	01/30/06 19:17	
Benzoic acid	ND	45000	2900	µg/Kg-dry	25	01/30/06 19:17	
Benzyl alcohol	ND	9000	100	µg/Kg-dry	25	01/30/06 19:17	
bis(2-Chloroethoxy)methane	ND	9000	35	µg/Kg-dry	25	01/30/06 19:17	
bis(2-chloroethyl)ether	ND	9000	51	µg/Kg-dry	25	01/30/06 19:17	
bis(2-chloroisopropyl)ether	ND	9000	51	µg/Kg-dry	25	01/30/06 19:17	
bis(2-Ethylhexyl)phthalate	ND	9000	300	µg/Kg-dry	25	01/30/06 19:17	
Butyl benzyl phthalate	ND	9000	59	µg/Kg-dry	25	01/30/06 19:17	
Chrysene	ND	9000	43	µg/Kg-dry	25	01/30/06 19:17	
Di-n-butyl phthalate	ND	9000	75	µg/Kg-dry	25	01/30/06 19:17	
Di-n-octyl phthalate	ND	9000	43	µg/Kg-dry	25	01/30/06 19:17	
Dibenz[a,h]anthracene	ND	9000	36	µg/Kg-dry	25	01/30/06 19:17	
Dibenzofuran	ND	9000	39	µg/Kg-dry	25	01/30/06 19:17	
Diethyl phthalate	ND	9000	65	µg/Kg-dry	25	01/30/06 19:17	
Dimethyl phthalate	ND	9000	46	µg/Kg-dry	25	01/30/06 19:17	
Fluoranthene	ND	9000	42	µg/Kg-dry	25	01/30/06 19:17	
Fluorene	ND	9000	45	µg/Kg-dry	25	01/30/06 19:17	
Hexachlorobenzene	ND	9000	71	µg/Kg-dry	25	01/30/06 19:17	
Hexachlorobutadiene	ND	9000	96	µg/Kg-dry	25	01/30/06 19:17	
Hexachlorocyclopentadiene	ND	9000	350	µg/Kg-dry	25	01/30/06 19:17	
Hexachloroethane	ND	9000	97	µg/Kg-dry	25	01/30/06 19:17	
indeno[1,2,3-cd]pyrene	ND	9000	36	µg/Kg-dry	25	01/30/06 19:17	
Isophorone	ND	9000	43	µg/Kg-dry	25	01/30/06 19:17	
N-Nitroso-di-n-propylamine	ND	9000	77	µg/Kg-dry	25	01/30/06 19:17	
N-Nitrosodiphenylamine	ND	9000	43	µg/Kg-dry	25	01/30/06 19:17	
Naphthalene	2400 J	9000	27	µg/Kg-dry	25	01/30/06 19:17	
Nitrobenzene	ND	9000	54	µg/Kg-dry	25	01/30/06 19:17	
Pentachlorophenol	ND	45000	750	µg/Kg-dry	25	01/30/06 19:17	
Phenanthrene	ND	9000	32	µg/Kg-dry	25	01/30/06 19:17	
Phenol	47000	9000	37	µg/Kg-dry	25	01/30/06 19:17	
Pyrene	ND	9000	43	µg/Kg-dry	25	01/30/06 19:17	
Surr. 2,4,6-Tribromophenol	97.8	20-143	0	%REC	25	01/30/06 19:17	
Surr. 2-Fluorobiphenyl	76.3	46-130	0	%REC	25	01/30/06 19:17	
Surr. 2-Fluorophenol	56.6	22-130	0	%REC	25	01/30/06 19:17	
Surr. Nitrobenzene-d5	67.0	39-130	0	%REC	25	01/30/06 19:17	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:37:14 A

Sample Size: 30 g

%Moisture: 8.0

TestCode: 8270S TAGML

Lab ID: 0601049-020B

Client Sample ID: BH-34-D

Collection Date: 01/11/06 14:40

Date Received: 01/12/06 7:50

PrepDate: 01/13/06 8:14 A

BatchNo: 2374/R4381

FileID: 1-DL-N3948.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	56.9	33-130	0	%REC	25		01/30/06 19:17
Surr: Terphenyl-d14	72.0	36-146	0	%REC	25		01/30/06 19:17

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:37

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 16.0

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601050-001B

Client Sample ID: BH-37

Collection Date: 01/11/06 8:30

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3859.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		390	3.1	µg/Kg-dry	1	01/25/06 4:00
1,2-Dichlorobenzene	ND		390	2.8	µg/Kg-dry	1	01/25/06 4:00
1,3-Dichlorobenzene	ND		390	1.9	µg/Kg-dry	1	01/25/06 4:00
1,4-Dichlorobenzene	ND		390	2.3	µg/Kg-dry	1	01/25/06 4:00
2,4,5-Trichlorophenol	ND		2000	39	µg/Kg-dry	1	01/25/06 4:00
2,4,6-Trichlorophenol	ND		390	3.7	µg/Kg-dry	1	01/25/06 4:00
2,4-Dichlorophenol	ND		390	3.6	µg/Kg-dry	1	01/25/06 4:00
2,4-Dimethylphenol	ND		390	3.4	µg/Kg-dry	1	01/25/06 4:00
2,4-Dinitrophenol	ND		2000	72	µg/Kg-dry	1	01/25/06 4:00
2,4-Dinitrotoluene	ND		390	3.3	µg/Kg-dry	1	01/25/06 4:00
2,6-Dinitrotoluene	ND		390	3.8	µg/Kg-dry	1	01/25/06 4:00
2-Chloronaphthalene	ND		390	1.9	µg/Kg-dry	1	01/25/06 4:00
2-Chlorophenol	ND		390	2.6	µg/Kg-dry	1	01/25/06 4:00
2-Methylnaphthalene	400		390	1.9	µg/Kg-dry	1	01/25/06 4:00
2-Methylphenol	ND		390	2.4	µg/Kg-dry	1	01/25/06 4:00
2-Nitroaniline	ND		2000	4.2	µg/Kg-dry	1	01/25/06 4:00
2-Nitrophenol	ND		390	4.5	µg/Kg-dry	1	01/25/06 4:00
3,3'-Dichlorobenzidine	ND		790	9.7	µg/Kg-dry	1	01/25/06 4:00
3-Nitroaniline	ND		2000	13	µg/Kg-dry	1	01/25/06 4:00
4,6-Dinitro-2-methylphenol	ND		2000	32	µg/Kg-dry	1	01/25/06 4:00
4-Bromophenyl phenyl ether	ND		390	2.8	µg/Kg-dry	1	01/25/06 4:00
4-Chloro-3-methylphenol	120 J		390	3.1	µg/Kg-dry	1	01/25/06 4:00
4-Chloroaniline	ND		390	4.8	µg/Kg-dry	1	01/25/06 4:00
4-Chlorophenyl phenyl ether	ND		390	3.0	µg/Kg-dry	1	01/25/06 4:00
4-Methylphenol	ND		390	2.3	µg/Kg-dry	1	01/25/06 4:00
4-Nitroaniline	ND		2000	6.6	µg/Kg-dry	1	01/25/06 4:00
4-Nitrophenol	ND		2000	16	µg/Kg-dry	1	01/25/06 4:00
Acenaphthene	ND		390	1.4	µg/Kg-dry	1	01/25/06 4:00
Acenaphthylene	ND		390	1.8	µg/Kg-dry	1	01/25/06 4:00
Aniline	ND		390	4.9	µg/Kg-dry	1	01/25/06 4:00
Anthracene	ND		390	1.6	µg/Kg-dry	1	01/25/06 4:00
Benzo[a]anthracene	130 J		390	1.7	µg/Kg-dry	1	01/25/06 4:00
Benzo[a]pyrene	150 J		390	2.0	µg/Kg-dry	1	01/25/06 4:00
Benzo[b]fluoranthene	280 J		390	2.9	µg/Kg-dry	1	01/25/06 4:00
Benzo[g,h,i]perylene	75 J		390	2.0	µg/Kg-dry	1	01/25/06 4:00

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 16.0

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601050-001B

Client Sample ID: BH-37

Collection Date: 01/11/06 8:30

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3859.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	93	J	390	2.5	µg/Kg-dry	1	01/25/06 4:00
Benzoic acid	ND		2000	130	µg/Kg-dry	1	01/25/06 4:00
Benzyl alcohol	ND		390	4.4	µg/Kg-dry	1	01/25/06 4:00
bis(2-Chloroethoxy)methane	ND		390	1.5	µg/Kg-dry	1	01/25/06 4:00
bis(2-chloroethyl)ether	ND		390	2.3	µg/Kg-dry	1	01/25/06 4:00
bis(2-chloroisopropyl)ether	ND		390	2.3	µg/Kg-dry	1	01/25/06 4:00
bis(2-Ethylhexyl)phthalate	160	J	390	13	µg/Kg-dry	1	01/25/06 4:00
Butyl benzyl phthalate	ND		390	2.6	µg/Kg-dry	1	01/25/06 4:00
Chrysene	210	J	390	1.9	µg/Kg-dry	1	01/25/06 4:00
Di-n-butyl phthalate	280	J	390	3.3	µg/Kg-dry	1	01/25/06 4:00
Di-n-octyl phthalate	ND		390	1.9	µg/Kg-dry	1	01/25/06 4:00
Dibenz[a,h]anthracene	ND		390	1.6	µg/Kg-dry	1	01/25/06 4:00
Dibenzofuran	48	J	390	1.7	µg/Kg-dry	1	01/25/06 4:00
Diethyl phthalate	ND		390	2.8	µg/Kg-dry	1	01/25/06 4:00
Dimethyl phthalate	ND		390	2.0	µg/Kg-dry	1	01/25/06 4:00
Fluoranthene	320	J	390	1.8	µg/Kg-dry	1	01/25/06 4:00
Fluorene	ND		390	2.0	µg/Kg-dry	1	01/25/06 4:00
Hexachlorobenzene	ND		390	3.1	µg/Kg-dry	1	01/25/06 4:00
Hexachlorobutadiene	ND		390	4.2	µg/Kg-dry	1	01/25/06 4:00
Hexachlorocyclopentadiene	ND		390	15	µg/Kg-dry	1	01/25/06 4:00
Hexachloroethane	ND		390	4.3	µg/Kg-dry	1	01/25/06 4:00
Indeno[1,2,3-cd]pyrene	50	J	390	1.6	µg/Kg-dry	1	01/25/06 4:00
Isophorone	ND		390	1.9	µg/Kg-dry	1	01/25/06 4:00
N-Nitroso-di-n-propylamine	ND		390	3.4	µg/Kg-dry	1	01/25/06 4:00
N-Nitrosodiphenylamine	ND		390	1.9	µg/Kg-dry	1	01/25/06 4:00
Naphthalene	1500		390	1.2	µg/Kg-dry	1	01/25/06 4:00
Nitrobenzene	ND		390	2.4	µg/Kg-dry	1	01/25/06 4:00
Pentachlorophenol	ND		2000	33	µg/Kg-dry	1	01/25/06 4:00
Phenanthrene	310	J	390	1.4	µg/Kg-dry	1	01/25/06 4:00
Phenol	860		390	1.6	µg/Kg-dry	1	01/25/06 4:00
Pyrene	280	J	390	1.9	µg/Kg-dry	1	01/25/06 4:00
Surr: 2,4,6-Tribromophenol	94.0		20-143	0	%REC	1	01/25/06 4:00
Surr: 2-Fluorobiphenyl	79.3		46-130	0	%REC	1	01/25/06 4:00
Surr: 2-Fluorophenol	69.8		22-130	0	%REC	1	01/25/06 4:00
Surr: Nitrobenzene-d5	72.3		39-130	0	%REC	1	01/25/06 4:00

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:38

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	Lab ID:	0601050-001B
Project:	Geneva Foundry	Client Sample ID:	BH-37
W Order:	0601050	Collection Date:	01/11/06 8:30
Matrix:	SOIL	Date Received:	01/12/06 0:00
Inst. ID:	MS05 26	Sample Size:	30 g
ColumnID:	ZB-5	%Moisture:	16.0
Revision:	01/31/06 10:15:49 A	TestCode:	8270S TAGML
		PrepDate:	01/17/06 12:00 A
		BatchNo:	2379/R4377
		FileID:	1-SAMP-N3859.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS							
Surr: Phenol-d5	69.7		33-130	0	%REC	1	01/25/06 4:00
Surr: Terphenyl-d14	70.5		36-146	0	%REC	1	01/25/06 4:00

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:38

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:15:49 A

Sample Size: 30 g

%Moisture: 18.3

TestCode: 8270S TAGML

Lab ID: 0601050-002B

Client Sample ID: BH-35-S

Collection Date: 01/11/06 8:55

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3862.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		400	3.2	µg/Kg-dry	1	01/25/06 5:52
1,2-Dichlorobenzene	ND		400	2.9	µg/Kg-dry	1	01/25/06 5:52
1,3-Dichlorobenzene	ND		400	1.9	µg/Kg-dry	1	01/25/06 5:52
1,4-Dichlorobenzene	ND		400	2.3	µg/Kg-dry	1	01/25/06 5:52
2,4,5-Trichlorophenol	ND		2000	40	µg/Kg-dry	1	01/25/06 5:52
2,4,6-Trichlorophenol	ND		400	3.8	µg/Kg-dry	1	01/25/06 5:52
2,4-Dichlorophenol	ND		400	3.7	µg/Kg-dry	1	01/25/06 5:52
2,4-Dimethylphenol	ND		400	3.5	µg/Kg-dry	1	01/25/06 5:52
2,4-Dinitrophenol	ND		2000	74	µg/Kg-dry	1	01/25/06 5:52
2,4-Dinitrotoluene	ND		400	3.4	µg/Kg-dry	1	01/25/06 5:52
2,6-Dinitrotoluene	ND		400	3.9	µg/Kg-dry	1	01/25/06 5:52
2-Chloronaphthalene	ND		400	1.9	µg/Kg-dry	1	01/25/06 5:52
2-Chlorophenol	ND		400	2.7	µg/Kg-dry	1	01/25/06 5:52
2-Methylnaphthalene	ND		400	2.0	µg/Kg-dry	1	01/25/06 5:52
2-Methylphenol	ND		400	2.5	µg/Kg-dry	1	01/25/06 5:52
2-Nitroaniline	ND		2000	4.3	µg/Kg-dry	1	01/25/06 5:52
2-Nitrophenol	ND		400	4.6	µg/Kg-dry	1	01/25/06 5:52
3,3'-Dichlorobenzidine	ND		810	10	µg/Kg-dry	1	01/25/06 5:52
3-Nitroaniline	ND		2000	14	µg/Kg-dry	1	01/25/06 5:52
4,6-Dinitro-2-methylphenol	ND		2000	33	µg/Kg-dry	1	01/25/06 5:52
4-Bromophenyl phenyl ether	ND		400	2.8	µg/Kg-dry	1	01/25/06 5:52
4-Chloro-3-methylphenol	ND		400	3.2	µg/Kg-dry	1	01/25/06 5:52
4-Chloroaniline	ND		400	5.0	µg/Kg-dry	1	01/25/06 5:52
4-Chlorophenyl phenyl ether	ND		400	3.1	µg/Kg-dry	1	01/25/06 5:52
4-Methylphenol	ND		400	2.3	µg/Kg-dry	1	01/25/06 5:52
4-Nitroaniline	ND		2000	6.8	µg/Kg-dry	1	01/25/06 5:52
4-Nitrophenol	ND		2000	16	µg/Kg-dry	1	01/25/06 5:52
Acenaphthene	ND		400	1.4	µg/Kg-dry	1	01/25/06 5:52
Acenaphthylene	ND		400	1.8	µg/Kg-dry	1	01/25/06 5:52
Aniline	ND		400	5.0	µg/Kg-dry	1	01/25/06 5:52
Anthracene	ND		400	1.7	µg/Kg-dry	1	01/25/06 5:52
Benzo[a]anthracene	68 J		400	1.7	µg/Kg-dry	1	01/25/06 5:52
Benzo[a]pyrene	55 J		400	2.0	µg/Kg-dry	1	01/25/06 5:52
Benzo[b]fluoranthene	86 J		400	2.9	µg/Kg-dry	1	01/25/06 5:52
Benzo[g,h,i]perylene	ND		400	2.1	µg/Kg-dry	1	01/25/06 5:52

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:38

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 18.3

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601050-002B

Client Sample ID: BH-35-S

Collection Date: 01/11/06 8:55

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: I-SAMP-N3862.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND	400		2.6	µg/Kg-dry	1	01/25/06 5:52
Benzoic acid	ND	2000		130	µg/Kg-dry	1	01/25/06 5:52
Benzyl alcohol	ND	400		4.5	µg/Kg-dry	1	01/25/06 5:52
bis(2-Chloroethoxy)methane	ND	400		1.6	µg/Kg-dry	1	01/25/06 5:52
bis(2-chloroethyl)ether	ND	400		2.3	µg/Kg-dry	1	01/25/06 5:52
bis(2-chloroisopropyl)ether	ND	400		2.3	µg/Kg-dry	1	01/25/06 5:52
bis(2-Ethylhexyl)phthalate	ND	400		13	µg/Kg-dry	1	01/25/06 5:52
Butyl benzyl phthalate	ND	400		2.7	µg/Kg-dry	1	01/25/06 5:52
Chrysene	63 J	400		1.9	µg/Kg-dry	1	01/25/06 5:52
Di-n-butyl phthalate	ND	400		3.4	µg/Kg-dry	1	01/25/06 5:52
Di-n-octyl phthalate	ND	400		1.9	µg/Kg-dry	1	01/25/06 5:52
Dibenz[a,h]anthracene	ND	400		1.6	µg/Kg-dry	1	01/25/06 5:52
Dibenzofuran	ND	400		1.8	µg/Kg-dry	1	01/25/06 5:52
Diethyl phthalate	ND	400		2.9	µg/Kg-dry	1	01/25/06 5:52
Dimethyl phthalate	ND	400		2.1	µg/Kg-dry	1	01/25/06 5:52
Fluoranthene	130 J	400		1.9	µg/Kg-dry	1	01/25/06 5:52
Fluorene	ND	400		2.0	µg/Kg-dry	1	01/25/06 5:52
Hexachlorobenzene	ND	400		3.2	µg/Kg-dry	1	01/25/06 5:52
Hexachlorobutadiene	ND	400		4.3	µg/Kg-dry	1	01/25/06 5:52
Hexachlorocyclopentadiene	ND	400		16	µg/Kg-dry	1	01/25/06 5:52
Hexachloroethane	ND	400		4.4	µg/Kg-dry	1	01/25/06 5:52
Indeno[1,2,3-cd]pyrene	ND	400		1.6	µg/Kg-dry	1	01/25/06 5:52
Isophorone	ND	400		2.0	µg/Kg-dry	1	01/25/06 5:52
N-Nitroso-di-n-propylamine	ND	400		3.5	µg/Kg-dry	1	01/25/06 5:52
N-Nitrosodiphenylamine	ND	400		1.9	µg/Kg-dry	1	01/25/06 5:52
Naphthalene	ND	400		1.2	µg/Kg-dry	1	01/25/06 5:52
Nitrobenzene	ND	400		2.4	µg/Kg-dry	1	01/25/06 5:52
Pentachlorophenol	ND	2000		34	µg/Kg-dry	1	01/25/06 5:52
Phenanthrene	110 J	400		1.5	µg/Kg-dry	1	01/25/06 5:52
Phenol	ND	400		1.7	µg/Kg-dry	1	01/25/06 5:52
Pyrene	100 J	400		2.0	µg/Kg-dry	1	01/25/06 5:52
Surr: 2,4,6-Tribromophenol	96.1	20-143		0	%REC	1	01/25/06 5:52
Surr: 2-Fluorobiphenyl	81.0	46-130		0	%REC	1	01/25/06 5:52
Surr: 2-Fluorophenol	70.4	22-130		0	%REC	1	01/25/06 5:52
Surr: Nitrobenzene-d5	72.5	39-130		0	%REC	1	01/25/06 5:52

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:15:49 A

Sample Size: 30 g

%Moisture: 18.3

TestCode: 8270S TAGML

Lab ID: 0601050-002B

Client Sample ID: BH-35-S

Collection Date: 01/11/06 8:55

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3862.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	70.3	33-130	0	%REC	1		01/25/06 5:52
Surr: Terphenyl-d14	72.0	36-146	0	%REC	1		01/25/06 5:52

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:38

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.9

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601050-003B

Client Sample ID: BH-35-D

Collection Date: 01/11/06 9:05

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3863.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		420	3.3	µg/Kg-dry	1	01/25/06 6:30
1,2-Dichlorobenzene	ND		420	3.0	µg/Kg-dry	1	01/25/06 6:30
1,3-Dichlorobenzene	ND		420	2.0	µg/Kg-dry	1	01/25/06 6:30
1,4-Dichlorobenzene	ND		420	2.4	µg/Kg-dry	1	01/25/06 6:30
2,4,5-Trichlorophenol	ND		2100	41	µg/Kg-dry	1	01/25/06 6:30
2,4,6-Trichlorophenol	ND		420	3.9	µg/Kg-dry	1	01/25/06 6:30
2,4-Dichlorophenol	ND		420	3.9	µg/Kg-dry	1	01/25/06 6:30
2,4-Dimethylphenol	ND		420	3.6	µg/Kg-dry	1	01/25/06 6:30
2,4-Dinitrophenol	ND		2100	76	µg/Kg-dry	1	01/25/06 6:30
2,4-Dinitrotoluene	ND		420	3.5	µg/Kg-dry	1	01/25/06 6:30
2,6-Dinitrotoluene	ND		420	4.0	µg/Kg-dry	1	01/25/06 6:30
2-Chloronaphthalene	ND		420	2.0	µg/Kg-dry	1	01/25/06 6:30
2-Chlorophenol	ND		420	2.7	µg/Kg-dry	1	01/25/06 6:30
2-Methylnaphthalene	ND		420	2.0	µg/Kg-dry	1	01/25/06 6:30
2-Methylphenol	ND		420	2.6	µg/Kg-dry	1	01/25/06 6:30
2-Nitroaniline	ND		2100	4.4	µg/Kg-dry	1	01/25/06 6:30
2-Nitrophenol	ND		420	4.8	µg/Kg-dry	1	01/25/06 6:30
3,3'-Dichlorobenzidine	ND		830	10	µg/Kg-dry	1	01/25/06 6:30
3-Nitroaniline	ND		2100	14	µg/Kg-dry	1	01/25/06 6:30
4,6-Dinitro-2-methylphenol	ND		2100	34	µg/Kg-dry	1	01/25/06 6:30
4-Bromophenyl phenyl ether	ND		420	2.9	µg/Kg-dry	1	01/25/06 6:30
4-Chloro-3-methylphenol	ND		420	3.3	µg/Kg-dry	1	01/25/06 6:30
4-Chloroaniline	ND		420	5.1	µg/Kg-dry	1	01/25/06 6:30
4-Chlorophenyl phenyl ether	ND		420	3.2	µg/Kg-dry	1	01/25/06 6:30
4-Methylphenol	ND		420	2.4	µg/Kg-dry	1	01/25/06 6:30
4-Nitroaniline	ND		2100	7.0	µg/Kg-dry	1	01/25/06 6:30
4-Nitrophenol	ND		2100	17	µg/Kg-dry	1	01/25/06 6:30
Acenaphthene	ND		420	1.5	µg/Kg-dry	1	01/25/06 6:30
Acenaphthylene	ND		420	1.9	µg/Kg-dry	1	01/25/06 6:30
Aniline	ND		420	5.2	µg/Kg-dry	1	01/25/06 6:30
Anthracene	ND		420	1.7	µg/Kg-dry	1	01/25/06 6:30
Benzo[a]anthracene	ND		420	1.8	µg/Kg-dry	1	01/25/06 6:30
Benzo[a]pyrene	ND		420	2.1	µg/Kg-dry	1	01/25/06 6:30
Benzo[b]fluoranthene	ND		420	3.0	µg/Kg-dry	1	01/25/06 6:30
Benzo[g,h,i]perylene	ND		420	2.1	µg/Kg-dry	1	01/25/06 6:30

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:38

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.9

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601050-003B

Client Sample ID: BH-35-D

Collection Date: 01/11/06 9:05

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3863.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		420	2.7	µg/Kg-dry	1	01/25/06 6:30
Benzoic acid	ND		2100	130	µg/Kg-dry	1	01/25/06 6:30
Benzyl alcohol	ND		420	4.6	µg/Kg-dry	1	01/25/06 6:30
bis(2-Chloroethoxy)methane	ND		420	1.6	µg/Kg-dry	1	01/25/06 6:30
bis(2-chloroethyl)ether	ND		420	2.4	µg/Kg-dry	1	01/25/06 6:30
bis(2-chloroisopropyl)ether	ND		420	2.4	µg/Kg-dry	1	01/25/06 6:30
bis(2-Ethylhexyl)phthalate	69 J		420	14	µg/Kg-dry	1	01/25/06 6:30
Butyl benzyl phthalate	ND		420	2.7	µg/Kg-dry	1	01/25/06 6:30
Chrysene	ND		420	2.0	µg/Kg-dry	1	01/25/06 6:30
Di-n-butyl phthalate	ND		420	3.5	µg/Kg-dry	1	01/25/06 6:30
Di-n-octyl phthalate	ND		420	2.0	µg/Kg-dry	1	01/25/06 6:30
Dibenz[a,h]anthracene	ND		420	1.7	µg/Kg-dry	1	01/25/06 6:30
Dibenzofuran	ND		420	1.8	µg/Kg-dry	1	01/25/06 6:30
Diethyl phthalate	ND		420	3.0	µg/Kg-dry	1	01/25/06 6:30
Dimethyl phthalate	ND		420	2.2	µg/Kg-dry	1	01/25/06 6:30
Fluoranthene	ND		420	1.9	µg/Kg-dry	1	01/25/06 6:30
Fluorene	ND		420	2.1	µg/Kg-dry	1	01/25/06 6:30
Hexachlorobenzene	ND		420	3.3	µg/Kg-dry	1	01/25/06 6:30
Hexachlorobutadiene	ND		420	4.5	µg/Kg-dry	1	01/25/06 6:30
Hexachlorocyclopentadiene	ND		420	16	µg/Kg-dry	1	01/25/06 6:30
Hexachloroethane	ND		420	4.5	µg/Kg-dry	1	01/25/06 6:30
Indeno[1,2,3-cd]pyrene	ND		420	1.7	µg/Kg-dry	1	01/25/06 6:30
Isophorone	ND		420	2.0	µg/Kg-dry	1	01/25/06 6:30
N-Nitroso-di-n-propylamine	ND		420	3.6	µg/Kg-dry	1	01/25/06 6:30
N-Nitrosodiphenylamine	ND		420	2.0	µg/Kg-dry	1	01/25/06 6:30
Naphthalene	ND		420	1.3	µg/Kg-dry	1	01/25/06 6:30
Nitrobenzene	ND		420	2.5	µg/Kg-dry	1	01/25/06 6:30
Pentachlorophenol	ND		2100	35	µg/Kg-dry	1	01/25/06 6:30
Phenanthrene	ND		420	1.5	µg/Kg-dry	1	01/25/06 6:30
Phenol	ND		420	1.7	µg/Kg-dry	1	01/25/06 6:30
Pyrene	ND		420	2.0	µg/Kg-dry	1	01/25/06 6:30
Surr: 2,4,6-Tribromophenol	92.7		20-143	0	%REC	1	01/25/06 6:30
Surr: 2-Fluorobiphenyl	77.1		46-130	0	%REC	1	01/25/06 6:30
Surr: 2-Fluorophenol	66.6		22-130	0	%REC	1	01/25/06 6:30
Surr: Nitrobenzene-d5	70.5		39-130	0	%REC	1	01/25/06 6:30

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.9

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601050-003B

Client Sample ID: BH-35-D

Collection Date: 01/11/06 9:05

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3863.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	66.2		33-130	0	%REC	1	01/25/06 6:30
Surr: Terphenyl-d14	69.9		36-146	0	%REC	1	01/25/06 6:30

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:38

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 3.9

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601050-004B

Client Sample ID: BH-36-S

Collection Date: 01/10/06 14:20

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3864.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		1700	14	µg/Kg-dry	5	01/25/06 7:07
1,2-Dichlorobenzene	ND		1700	12	µg/Kg-dry	5	01/25/06 7:07
1,3-Dichlorobenzene	ND		1700	8.2	µg/Kg-dry	5	01/25/06 7:07
1,4-Dichlorobenzene	ND		1700	9.8	µg/Kg-dry	5	01/25/06 7:07
2,4,5-Trichlorophenol	ND		8700	170	µg/Kg-dry	5	01/25/06 7:07
2,4,6-Trichlorophenol	ND		1700	16	µg/Kg-dry	5	01/25/06 7:07
2,4-Dichlorophenol	ND		1700	16	µg/Kg-dry	5	01/25/06 7:07
2,4-Dimethylphenol	ND		1700	15	µg/Kg-dry	5	01/25/06 7:07
2,4-Dinitrophenol	ND		8700	310	µg/Kg-dry	5	01/25/06 7:07
2,4-Dinitrotoluene	ND		1700	14	µg/Kg-dry	5	01/25/06 7:07
2,6-Dinitrotoluene	ND		1700	17	µg/Kg-dry	5	01/25/06 7:07
2-Chloronaphthalene	ND		1700	8.2	µg/Kg-dry	5	01/25/06 7:07
2-Chlorophenol	ND		1700	11	µg/Kg-dry	5	01/25/06 7:07
2-Methylnaphthalene	ND		1700	8.3	µg/Kg-dry	5	01/25/06 7:07
2-Methylphenol	ND		1700	11	µg/Kg-dry	5	01/25/06 7:07
2-Nitroaniline	ND		8700	18	µg/Kg-dry	5	01/25/06 7:07
2-Nitrophenol	ND		1700	20	µg/Kg-dry	5	01/25/06 7:07
3,3'-Dichlorobenzidine	ND		3400	42	µg/Kg-dry	5	01/25/06 7:07
3-Nitroaniline	ND		8700	59	µg/Kg-dry	5	01/25/06 7:07
4,6-Dinitro-2-methylphenol	ND		8700	140	µg/Kg-dry	5	01/25/06 7:07
4-Bromophenyl phenyl ether	ND		1700	12	µg/Kg-dry	5	01/25/06 7:07
4-Chloro-3-methylphenol	ND		1700	14	µg/Kg-dry	5	01/25/06 7:07
4-Chloroaniline	ND		1700	21	µg/Kg-dry	5	01/25/06 7:07
4-Chlorophenyl phenyl ether	ND		1700	13	µg/Kg-dry	5	01/25/06 7:07
4-Methylphenol	ND		1700	9.9	µg/Kg-dry	5	01/25/06 7:07
4-Nitroaniline	ND		8700	29	µg/Kg-dry	5	01/25/06 7:07
4-Nitrophenol	ND		8700	69	µg/Kg-dry	5	01/25/06 7:07
Acenaphthene	ND		1700	6.1	µg/Kg-dry	5	01/25/06 7:07
Acenaphthylene	ND		1700	7.7	µg/Kg-dry	5	01/25/06 7:07
Aniline	ND		1700	21	µg/Kg-dry	5	01/25/06 7:07
Anthracene	ND		1700	7.0	µg/Kg-dry	5	01/25/06 7:07
Benzo[a]anthracene	ND		1700	7.3	µg/Kg-dry	5	01/25/06 7:07
Benzo[a]pyrene	ND		1700	8.6	µg/Kg-dry	5	01/25/06 7:07
Benzo[b]fluoranthene	ND		1700	12	µg/Kg-dry	5	01/25/06 7:07
Benzo[g,h,i]perylene	ND		1700	8.7	µg/Kg-dry	5	01/25/06 7:07

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:38

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.	Lab ID: 0601050-004B
Project: Geneva Foundry	Client Sample ID: BH-36-S
W Order: 0601050	Collection Date: 01/10/06 14:20
Matrix: SOIL	Date Received: 01/12/06 0:00
Inst. ID: MS05 26	Sample Size: 30 g
ColumnID: ZB-5	%Moisture: 3.9
Revision: 01/31/06 10:15:49 A	TestCode: 8270S TAGML
	PrepDate: 01/17/06 12:00 A
	BatchNo: 2379/R4377
	FileID: 1-SAMP-N3864.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		1700	11	µg/Kg-dry	5	01/25/06 7:07
Benzoic acid	ND		8700	550	µg/Kg-dry	5	01/25/06 7:07
Benzyl alcohol	ND		1700	19	µg/Kg-dry	5	01/25/06 7:07
bis(2-Chloroethoxy)methane	ND		1700	6.6	µg/Kg-dry	5	01/25/06 7:07
bis(2-chloroethyl)ether	ND		1700	9.8	µg/Kg-dry	5	01/25/06 7:07
bis(2-chloroisopropyl)ether	ND		1700	9.8	µg/Kg-dry	5	01/25/06 7:07
bis(2-Ethylhexyl)phthalate	ND		1700	57	µg/Kg-dry	5	01/25/06 7:07
Butyl benzyl phthalate	ND		1700	11	µg/Kg-dry	5	01/25/06 7:07
Chrysene	ND		1700	8.2	µg/Kg-dry	5	01/25/06 7:07
Di-n-butyl phthalate	ND		1700	14	µg/Kg-dry	5	01/25/06 7:07
Di-n-octyl phthalate	ND		1700	8.2	µg/Kg-dry	5	01/25/06 7:07
Dibenz[a,h]anthracene	ND		1700	6.9	µg/Kg-dry	5	01/25/06 7:07
Dibenzofuran	ND		1700	7.5	µg/Kg-dry	5	01/25/06 7:07
Diethyl phthalate	ND		1700	12	µg/Kg-dry	5	01/25/06 7:07
Dimethyl phthalate	ND		1700	8.8	µg/Kg-dry	5	01/25/06 7:07
Fluoranthene	ND		1700	8.0	µg/Kg-dry	5	01/25/06 7:07
Fluorene	ND		1700	8.6	µg/Kg-dry	5	01/25/06 7:07
Hexachlorobenzene	ND		1700	14	µg/Kg-dry	5	01/25/06 7:07
Hexachlorobutadiene	ND		1700	18	µg/Kg-dry	5	01/25/06 7:07
Hexachlorocyclopentadiene	ND		1700	67	µg/Kg-dry	5	01/25/06 7:07
Hexachloroethane	ND		1700	19	µg/Kg-dry	5	01/25/06 7:07
Indeno[1,2,3-cd]pyrene	ND		1700	6.9	µg/Kg-dry	5	01/25/06 7:07
Isophorone	ND		1700	8.3	µg/Kg-dry	5	01/25/06 7:07
N-Nitroso-di-n-propylamine	ND		1700	15	µg/Kg-dry	5	01/25/06 7:07
N-Nitrosodiphenylamine	ND		1700	8.2	µg/Kg-dry	5	01/25/06 7:07
Naphthalene	ND		1700	5.2	µg/Kg-dry	5	01/25/06 7:07
Nitrobenzene	ND		1700	10	µg/Kg-dry	5	01/25/06 7:07
Pentachlorophenol	ND		8700	140	µg/Kg-dry	5	01/25/06 7:07
Phenanthrene	ND		1700	6.2	µg/Kg-dry	5	01/25/06 7:07
Phenol	ND		1700	7.0	µg/Kg-dry	5	01/25/06 7:07
Pyrene	ND		1700	8.3	µg/Kg-dry	5	01/25/06 7:07
Surr. 2,4,6-Tribromophenol	82.7		20-143	0	%REC	5	01/25/06 7:07
Surr. 2-Fluorobiphenyl	79.9		46-130	0	%REC	5	01/25/06 7:07
Surr. 2-Fluorophenol	67.3		22-130	0	%REC	5	01/25/06 7:07
Surr. Nitrobenzene-d5	65.6		39-130	0	%REC	5	01/25/06 7:07

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:38

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	Lab ID:	0601050-004B
Project:	Geneva Foundry	Client Sample ID:	BH-36-S
W Order:	0601050	Collection Date:	01/10/06 14:20
Matrix:	SOIL	Date Received:	01/12/06 0:00
Inst. ID:	MS05 26	Sample Size:	30 g
ColumnID:	ZB-5	%Moisture:	3.9
Revision:	01/31/06 10:15:49 A	TestCode:	8270S TAGML
		PrepDate:	01/17/06 12:00 A
		BatchNo:	2379/R4377
		FileID:	1-SAMP-N3864.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	67.3		33-130	0	%REC	5	01/25/06 7:07
Surr: Terphenyl-d14	83.0		36-146	0	%REC	5	01/25/06 7:07

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
S	Spike Recovery outside accepted recovery limits		



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 3.9

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601050-004B

Client Sample ID: BH-36-S

Collection Date: 01/10/06 14:20

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3955.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		1700	14	µg/Kg-dry	5	01/30/06 23:40
1,2-Dichlorobenzene	ND		1700	12	µg/Kg-dry	5	01/30/06 23:40
1,3-Dichlorobenzene	ND		1700	8.2	µg/Kg-dry	5	01/30/06 23:40
1,4-Dichlorobenzene	ND		1700	9.8	µg/Kg-dry	5	01/30/06 23:40
2,4,5-Trichlorophenol	ND		8700	170	µg/Kg-dry	5	01/30/06 23:40
2,4,6-Trichlorophenol	ND		1700	16	µg/Kg-dry	5	01/30/06 23:40
2,4-Dichlorophenol	ND		1700	16	µg/Kg-dry	5	01/30/06 23:40
2,4-Dimethylphenol	ND		1700	15	µg/Kg-dry	5	01/30/06 23:40
2,4-Dinitrophenol	ND		8700	310	µg/Kg-dry	5	01/30/06 23:40
2,4-Dinitrotoluene	ND		1700	14	µg/Kg-dry	5	01/30/06 23:40
2,6-Dinitrotoluene	ND		1700	17	µg/Kg-dry	5	01/30/06 23:40
2-Chloronaphthalene	ND		1700	8.2	µg/Kg-dry	5	01/30/06 23:40
2-Chlorophenol	ND		1700	11	µg/Kg-dry	5	01/30/06 23:40
2-Methylnaphthalene	ND		1700	8.3	µg/Kg-dry	5	01/30/06 23:40
2-Methylphenol	ND		1700	11	µg/Kg-dry	5	01/30/06 23:40
2-Nitroaniline	ND		8700	18	µg/Kg-dry	5	01/30/06 23:40
2-Nitrophenol	ND		1700	20	µg/Kg-dry	5	01/30/06 23:40
3,3'-Dichlorobenzidine	ND		3400	42	µg/Kg-dry	5	01/30/06 23:40
3-Nitroaniline	ND		8700	59	µg/Kg-dry	5	01/30/06 23:40
4,6-Dinitro-2-methylphenol	ND		8700	140	µg/Kg-dry	5	01/30/06 23:40
4-Bromophenyl phenyl ether	ND		1700	12	µg/Kg-dry	5	01/30/06 23:40
4-Chloro-3-methylphenol	ND		1700	14	µg/Kg-dry	5	01/30/06 23:40
4-Chloroaniline	ND		1700	21	µg/Kg-dry	5	01/30/06 23:40
4-Chlorophenyl phenyl ether	ND		1700	13	µg/Kg-dry	5	01/30/06 23:40
4-Methylphenol	ND		1700	9.9	µg/Kg-dry	5	01/30/06 23:40
4-Nitroaniline	ND		8700	29	µg/Kg-dry	5	01/30/06 23:40
4-Nitrophenol	ND		8700	69	µg/Kg-dry	5	01/30/06 23:40
Acenaphthene	ND		1700	6.1	µg/Kg-dry	5	01/30/06 23:40
Acenaphthylene	ND		1700	7.7	µg/Kg-dry	5	01/30/06 23:40
Aniline	ND		1700	21	µg/Kg-dry	5	01/30/06 23:40
Anthracene	ND		1700	7.0	µg/Kg-dry	5	01/30/06 23:40
Benzo[a]anthracene	ND		1700	7.3	µg/Kg-dry	5	01/30/06 23:40
Benzo[a]pyrene	ND		1700	8.6	µg/Kg-dry	5	01/30/06 23:40
Benzo[b]fluoranthene	ND		1700	12	µg/Kg-dry	5	01/30/06 23:40
Benzo[g,h,i]perylene	ND		1700	8.7	µg/Kg-dry	5	01/30/06 23:40

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 3.9

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601050-004B

Client Sample ID: BH-36-S

Collection Date: 01/10/06 14:20

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3955.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND	1700		11	µg/Kg-dry	5	01/30/06 23:40
Benzoic acid	ND	8700		550	µg/Kg-dry	5	01/30/06 23:40
Benzyl alcohol	ND	1700		19	µg/Kg-dry	5	01/30/06 23:40
bis(2-Chloroethoxy)methane	ND	1700		6.6	µg/Kg-dry	5	01/30/06 23:40
bis(2-chloroethyl)ether	ND	1700		9.8	µg/Kg-dry	5	01/30/06 23:40
bis(2-chloroisopropyl)ether	ND	1700		9.8	µg/Kg-dry	5	01/30/06 23:40
bis(2-Ethylhexyl)phthalate	ND	1700		57	µg/Kg-dry	5	01/30/06 23:40
Butyl benzyl phthalate	ND	1700		11	µg/Kg-dry	5	01/30/06 23:40
Chrysene	ND	1700		8.2	µg/Kg-dry	5	01/30/06 23:40
Di-n-butyl phthalate	ND	1700		14	µg/Kg-dry	5	01/30/06 23:40
Di-n-octyl phthalate	ND	1700		8.2	µg/Kg-dry	5	01/30/06 23:40
Dibenz[a,h]anthracene	ND	1700		6.9	µg/Kg-dry	5	01/30/06 23:40
Dibenzofuran	ND	1700		7.5	µg/Kg-dry	5	01/30/06 23:40
Diethyl phthalate	ND	1700		12	µg/Kg-dry	5	01/30/06 23:40
Dimethyl phthalate	ND	1700		8.6	µg/Kg-dry	5	01/30/06 23:40
Fluoranthene	ND	1700		6.0	µg/Kg-dry	5	01/30/06 23:40
Fluorene	ND	1700		8.6	µg/Kg-dry	5	01/30/06 23:40
Hexachlorobenzene	ND	1700		14	µg/Kg-dry	5	01/30/06 23:40
Hexachlorobutadiene	ND	1700		18	µg/Kg-dry	5	01/30/06 23:40
Hexachlorocyclopentadiene	ND	1700		67	µg/Kg-dry	5	01/30/06 23:40
Hexachloroethane	ND	1700		19	µg/Kg-dry	5	01/30/06 23:40
Indeno[1,2,3-cd]pyrene	ND	1700		6.9	µg/Kg-dry	5	01/30/06 23:40
Isophorone	ND	1700		8.3	µg/Kg-dry	5	01/30/06 23:40
N-Nitroso-di-n-propylamine	ND	1700		15	µg/Kg-dry	5	01/30/06 23:40
N-Nitrosodiphenylamine	ND	1700		8.2	µg/Kg-dry	5	01/30/06 23:40
Naphthalene	ND	1700		5.2	µg/Kg-dry	5	01/30/06 23:40
Nitrobenzene	ND	1700		10	µg/Kg-dry	5	01/30/06 23:40
Pentachlorophenol	ND	8700		140	µg/Kg-dry	5	01/30/06 23:40
Phenanthrene	ND	1700		6.2	µg/Kg-dry	5	01/30/06 23:40
Phenol	ND	1700		7.0	µg/Kg-dry	5	01/30/06 23:40
Pyrene	ND	1700		8.3	µg/Kg-dry	5	01/30/06 23:40
Surr. 2,4,6-Tribromophenol	76.8	20-143		0	%REC	5	01/30/06 23:40
Surr. 2-Fluorobiphenyl	73.9	46-130		0	%REC	5	01/30/06 23:40
Surr. 2-Fluorophenol	55.6	22-130		0	%REC	5	01/30/06 23:40
Surr. Nitrobenzene-d5	64.8	39-130		0	%REC	5	01/30/06 23:40

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 3.9

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601050-004B

Client Sample ID: BH-36-S

Collection Date: 01/10/06 14:20

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3955.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr. Phenol-d5	55.9	33-130	0	%REC	5		01/30/06 23:40
Surr. Terphenyl-d14	66.8	36-146	0	%REC	5		01/30/06 23:40

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 10.4

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601050-005B

Client Sample ID: BH-36-D

Collection Date: 01/10/06 14:30

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3865.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		370	2.9	µg/Kg-dry	1	01/25/06 7:45
1,2-Dichlorobenzene	ND		370	2.6	µg/Kg-dry	1	01/25/06 7:45
1,3-Dichlorobenzene	ND		370	1.8	µg/Kg-dry	1	01/25/06 7:45
1,4-Dichlorobenzene	ND		370	2.1	µg/Kg-dry	1	01/25/06 7:45
2,4,5-Trichlorophenol	ND		1900	37	µg/Kg-dry	1	01/25/06 7:45
2,4,6-Trichlorophenol	ND		370	3.4	µg/Kg-dry	1	01/25/06 7:45
2,4-Dichlorophenol	ND		370	3.4	µg/Kg-dry	1	01/25/06 7:45
2,4-Dimethylphenol	ND		370	3.1	µg/Kg-dry	1	01/25/06 7:45
2,4-Dinitrophenol	ND		1900	67	µg/Kg-dry	1	01/25/06 7:45
2,4-Dinitrotoluene	ND		370	3.1	µg/Kg-dry	1	01/25/06 7:45
2,6-Dinitrotoluene	ND		370	3.6	µg/Kg-dry	1	01/25/06 7:45
2-Chloronaphthalene	ND		370	1.8	µg/Kg-dry	1	01/25/06 7:45
2-Chlorophenol	ND		370	2.4	µg/Kg-dry	1	01/25/06 7:45
2-Methylnaphthalene	ND		370	1.8	µg/Kg-dry	1	01/25/06 7:45
2-Methylphenol	ND		370	2.3	µg/Kg-dry	1	01/25/06 7:45
2-Nitroaniline	ND		1900	3.9	µg/Kg-dry	1	01/25/06 7:45
2-Nitrophenol	ND		370	4.2	µg/Kg-dry	1	01/25/06 7:45
3,3'-Dichlorobenzidine	ND		740	9.1	µg/Kg-dry	1	01/25/06 7:45
3-Nitroaniline	ND		1900	13	µg/Kg-dry	1	01/25/06 7:45
4,6-Dinitro-2-methylphenol	ND		1900	30	µg/Kg-dry	1	01/25/06 7:45
4-Bromophenyl phenyl ether	ND		370	2.6	µg/Kg-dry	1	01/25/06 7:45
4-Chloro-3-methylphenol	ND		370	2.9	µg/Kg-dry	1	01/25/06 7:45
4-Chloroaniline	ND		370	4.5	µg/Kg-dry	1	01/25/06 7:45
4-Chlorophenyl phenyl ether	ND		370	2.8	µg/Kg-dry	1	01/25/06 7:45
4-Methylphenol	ND		370	2.1	µg/Kg-dry	1	01/25/06 7:45
4-Nitroaniline	ND		1900	6.2	µg/Kg-dry	1	01/25/06 7:45
4-Nitrophenol	ND		1900	15	µg/Kg-dry	1	01/25/06 7:45
Acenaphthene	ND		370	1.3	µg/Kg-dry	1	01/25/06 7:45
Acenaphthylene	ND		370	1.7	µg/Kg-dry	1	01/25/06 7:45
Aniline	ND		370	4.6	µg/Kg-dry	1	01/25/06 7:45
Anthracene	ND		370	1.5	µg/Kg-dry	1	01/25/06 7:45
Benzo[a]anthracene	ND		370	1.6	µg/Kg-dry	1	01/25/06 7:45
Benzo[a]pyrene	ND		370	1.8	µg/Kg-dry	1	01/25/06 7:45
Benzo[b]fluoranthene	ND		370	2.7	µg/Kg-dry	1	01/25/06 7:45
Benzo[g,h,i]perylene	ND		370	1.9	µg/Kg-dry	1	01/25/06 7:45

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 10.4

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601050-005B

Client Sample ID: BH-36-D

Collection Date: 01/10/06 14:30

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3865.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		370	2.4	µg/Kg-dry	1	01/25/06 7:45
Benzoic acid	ND		1900	120	µg/Kg-dry	1	01/25/06 7:45
Benzyl alcohol	ND		370	4.1	µg/Kg-dry	1	01/25/06 7:45
bis(2-Chloroethoxy)methane	ND		370	1.4	µg/Kg-dry	1	01/25/06 7:45
bis(2-chloroethyl)ether	ND		370	2.1	µg/Kg-dry	1	01/25/06 7:45
bis(2-chloroisopropyl)ether	ND		370	2.1	µg/Kg-dry	1	01/25/06 7:45
bis(2-Ethylhexyl)phthalate	ND		370	12	µg/Kg-dry	1	01/25/06 7:45
Butyl benzyl phthalate	ND		370	2.4	µg/Kg-dry	1	01/25/06 7:45
Chrysene	ND		370	1.8	µg/Kg-dry	1	01/25/06 7:45
Di-n-butyl phthalate	38 J		370	3.1	µg/Kg-dry	1	01/25/06 7:45
Di-n-octyl phthalate	ND		370	1.8	µg/Kg-dry	1	01/25/06 7:45
Dibenz[a,h]anthracene	ND		370	1.5	µg/Kg-dry	1	01/25/06 7:45
Dibenzofuran	ND		370	1.8	µg/Kg-dry	1	01/25/06 7:45
Diethyl phthalate	ND		370	2.7	µg/Kg-dry	1	01/25/06 7:45
Dimethyl phthalate	ND		370	1.9	µg/Kg-dry	1	01/25/06 7:45
Fluoranthene	ND		370	1.7	µg/Kg-dry	1	01/25/06 7:45
Fluorene	ND		370	1.8	µg/Kg-dry	1	01/25/06 7:45
Hexachlorobenzene	ND		370	2.9	µg/Kg-dry	1	01/25/06 7:45
Hexachlorobutadiene	ND		370	3.9	µg/Kg-dry	1	01/25/06 7:45
Hexachlorocyclopentadiene	ND		370	14	µg/Kg-dry	1	01/25/06 7:45
Hexachloroethane	ND		370	4.0	µg/Kg-dry	1	01/25/06 7:45
Indeno[1,2,3-cd]pyrene	ND		370	1.5	µg/Kg-dry	1	01/25/06 7:45
Isophorone	ND		370	1.8	µg/Kg-dry	1	01/25/06 7:45
N-Nitroso-di-n-propylamine	ND		370	3.2	µg/Kg-dry	1	01/25/06 7:45
N-Nitrosodiphenylamine	ND		370	1.8	µg/Kg-dry	1	01/25/06 7:45
Naphthalene	ND		370	1.1	µg/Kg-dry	1	01/25/08 7:45
Nitrobenzene	ND		370	2.2	µg/Kg-dry	1	01/25/06 7:45
Pentachlorophenol	ND		1900	31	µg/Kg-dry	1	01/25/06 7:45
Phenanthrene	ND		370	1.3	µg/Kg-dry	1	01/25/06 7:45
Phenol	ND		370	1.5	µg/Kg-dry	1	01/25/06 7:45
Pyrene	ND		370	1.8	µg/Kg-dry	1	01/25/08 7:45
Surr: 2,4,6-Tribromophenol	89.4		20-143	0	%REC	1	01/25/06 7:45
Surr: 2-Fluorobiphenyl	76.7		46-130	0	%REC	1	01/25/06 7:45
Surr: 2-Fluorophenol	64.6		22-130	0	%REC	1	01/25/06 7:45
Surr: Nitrobenzene-d5	88.1		39-130	0	%REC	1	01/25/06 7:45

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 10.4

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601050-005B

Client Sample ID: BH-36-D

Collection Date: 01/10/06 14:30

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3865.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	65.7	33-130		0	%REC	1	01/25/06 7:45
Surr: Terphenyl-d14	83.9	36-146		0	%REC	1	01/25/06 7:45

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 10.4

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601050-005B

Client Sample ID: BH-36-D

Collection Date: 01/10/06 14:30

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3957.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		370	2.9	µg/Kg-dry	1	01/31/06 0:55
1,2-Dichlorobenzene	ND		370	2.6	µg/Kg-dry	1	01/31/06 0:55
1,3-Dichlorobenzene	ND		370	1.8	µg/Kg-dry	1	01/31/06 0:55
1,4-Dichlorobenzene	ND		370	2.1	µg/Kg-dry	1	01/31/06 0:55
2,4,5-Trichlorophenol	ND		1900	37	µg/Kg-dry	1	01/31/06 0:55
2,4,6-Trichlorophenol	ND		370	3.4	µg/Kg-dry	1	01/31/06 0:55
2,4-Dichlorophenol	ND		370	3.4	µg/Kg-dry	1	01/31/08 0:55
2,4-Dimethylphenol	ND		370	3.1	µg/Kg-dry	1	01/31/06 0:55
2,4-Dinitrophenol	ND		1900	67	µg/Kg-dry	1	01/31/06 0:55
2,4-Dinitrotoluene	ND		370	3.1	µg/Kg-dry	1	01/31/06 0:55
2,6-Dinitrotoluene	ND		370	3.6	µg/Kg-dry	1	01/31/06 0:55
2-Chloronaphthalene	ND		370	1.8	µg/Kg-dry	1	01/31/06 0:55
2-Chlorophenol	ND		370	2.4	µg/Kg-dry	1	01/31/06 0:55
2-Methylnaphthalene	ND		370	1.8	µg/Kg-dry	1	01/31/06 0:55
2-Methylphenol	ND		370	2.3	µg/Kg-dry	1	01/31/06 0:55
2-Nitroaniline	ND		1900	3.9	µg/Kg-dry	1	01/31/06 0:55
2-Nitrophenol	ND		370	4.2	µg/Kg-dry	1	01/31/06 0:55
3,3'-Dichlorobenzidine	ND		740	9.1	µg/Kg-dry	1	01/31/06 0:55
3-Nitroaniline	ND		1900	13	µg/Kg-dry	1	01/31/06 0:55
4,6-Dinitro-2-methylphenol	ND		1900	30	µg/Kg-dry	1	01/31/08 0:55
4-Bromophenyl phenyl ether	ND		370	2.6	µg/Kg-dry	1	01/31/06 0:55
4-Chloro-3-methylphenol	ND		370	2.9	µg/Kg-dry	1	01/31/06 0:55
4-Chloroaniline	ND		370	4.5	µg/Kg-dry	1	01/31/06 0:55
4-Chlorophenyl phenyl ether	ND		370	2.8	µg/Kg-dry	1	01/31/06 0:55
4-Methylphenol	ND		370	2.1	µg/Kg-dry	1	01/31/06 0:55
4-Nitroaniline	ND		1900	6.2	µg/Kg-dry	1	01/31/06 0:55
4-Nitrophenol	ND		1900	15	µg/Kg-dry	1	01/31/06 0:55
Acenaphthene	ND		370	1.3	µg/Kg-dry	1	01/31/08 0:55
Acenaphthylene	ND		370	1.7	µg/Kg-dry	1	01/31/08 0:55
Aniline	ND		370	4.6	µg/Kg-dry	1	01/31/08 0:55
Anthracene	ND		370	1.5	µg/Kg-dry	1	01/31/06 0:55
Benzo[a]anthracene	ND		370	1.6	µg/Kg-dry	1	01/31/06 0:55
Benzo[a]pyrene	ND		370	1.8	µg/Kg-dry	1	01/31/06 0:55
Benzo[b]fluoranthene	ND		370	2.7	µg/Kg-dry	1	01/31/06 0:55
Benzo[g,h,i]perylene	ND		370	1.9	µg/Kg-dry	1	01/31/06 0:55

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 10.4

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601050-005B

Client Sample ID: BH-36-D

Collection Date: 01/10/06 14:30

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3957.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		370	2.4	µg/Kg-dry	1	01/31/06 0:55
Benzoic acid	ND		1900	120	µg/Kg-dry	1	01/31/06 0:55
Benzyl alcohol	ND		370	4.1	µg/Kg-dry	1	01/31/06 0:55
bis(2-Chloroethoxy)methane	ND		370	1.4	µg/Kg-dry	1	01/31/06 0:55
bis(2-chloroethyl)ether	ND		370	2.1	µg/Kg-dry	1	01/31/06 0:55
bis(2-chloroisopropyl)ether	ND		370	2.1	µg/Kg-dry	1	01/31/06 0:55
bis(2-Ethylhexyl)phthalate	ND		370	12	µg/Kg-dry	1	01/31/06 0:55
Butyl benzyl phthalate	ND		370	2.4	µg/Kg-dry	1	01/31/06 0:55
Chrysene	ND		370	1.8	µg/Kg-dry	1	01/31/06 0:55
Di-n-butyl phthalate	39 J		370	3.1	µg/Kg-dry	1	01/31/06 0:55
Di-n-octyl phthalate	ND		370	1.8	µg/Kg-dry	1	01/31/06 0:55
Dibenz[a,h]anthracene	ND		370	1.5	µg/Kg-dry	1	01/31/06 0:55
Dibenzofuran	ND		370	1.6	µg/Kg-dry	1	01/31/06 0:55
Diethyl phthalate	ND		370	2.7	µg/Kg-dry	1	01/31/06 0:55
Dimethyl phthalate	ND		370	1.9	µg/Kg-dry	1	01/31/06 0:55
Fluoranthene	ND		370	1.7	µg/Kg-dry	1	01/31/06 0:55
Fluorene	ND		370	1.8	µg/Kg-dry	1	01/31/06 0:55
Hexachlorobenzene	ND		370	2.9	µg/Kg-dry	1	01/31/06 0:55
Hexachlorobutadiene	ND		370	3.9	µg/Kg-dry	1	01/31/06 0:55
Hexachlorocyclopentadiene	ND		370	14	µg/Kg-dry	1	01/31/06 0:55
Hexachloroethane	ND		370	4.0	µg/Kg-dry	1	01/31/06 0:55
Indeno[1,2,3-cd]pyrene	ND		370	1.5	µg/Kg-dry	1	01/31/06 0:55
Isophorone	ND		370	1.8	µg/Kg-dry	1	01/31/06 0:55
N-Nitroso-di-n-propylamine	ND		370	3.2	µg/Kg-dry	1	01/31/06 0:55
N-Nitrosodiphenylamine	ND		370	1.8	µg/Kg-dry	1	01/31/06 0:55
Naphthalene	ND		370	1.1	µg/Kg-dry	1	01/31/06 0:55
Nitrobenzene	ND		370	2.2	µg/Kg-dry	1	01/31/06 0:55
Pentachlorophenol	ND		1900	31	µg/Kg-dry	1	01/31/06 0:55
Phenanthrene	ND		370	1.3	µg/Kg-dry	1	01/31/06 0:55
Phenol	ND		370	1.5	µg/Kg-dry	1	01/31/06 0:55
Pyrene	ND		370	1.8	µg/Kg-dry	1	01/31/06 0:55
Surr. 2,4,6-Tribromophenol	97.0		20-143	0	%REC	1	01/31/06 0:55
Surr. 2-Fluorobiphenyl	84.7		46-130	0	%REC	1	01/31/06 0:55
Surr. 2-Fluorophenol	61.0		22-130	0	%REC	1	01/31/06 0:55
Surr. Nitrobenzene-d5	68.7		39-130	0	%REC	1	01/31/06 0:55

Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 10.4

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601050-005B

Client Sample ID: BH-36-D

Collection Date: 01/10/06 14:30

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3957.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	59.5	33-130	0	%REC	1		01/31/06 0:55
Surr: Terphenyl-d14	90.3	36-146	0	%REC	1		01/31/06 0:55

Qualifiers:	B Analyte detected in the associated Method Blank	E Value exceeds the instrument calibration range
	H Holding times for preparation or analysis exceeded	J Analyte detected below the PQL
	ND Not Detected at the Practical Quantitation Limit (PQL)	P Prim./Conf. column %D or RPD exceeds limit
	S Spike Recovery outside accepted recovery limits	

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: MS05 26

Sample Size: 910 mL

ColumnID: ZB-5

%Moisture:

Revision: 01/31/06 10:18:39 A

TestCode: 8270W TAGML

Lab ID: 0601050-006B

Client Sample ID: 1/10 EQUIP BLANK

Collection Date: 01/10/06 16:00

Date Received: 01/12/06 0:00

PrepDate: 01/16/06 12:00 A

BatchNo: 2392/R4378

FileID: 1-SAMP-N3879.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3520C)	
1,2,4-Trichlorobenzene	ND	11		0.077	µg/L	1	01/25/06 19:55
1,2-Dichlorobenzene	ND	11		0.055	µg/L	1	01/25/06 19:55
1,3-Dichlorobenzene	ND	11		0.066	µg/L	1	01/25/06 19:55
1,4-Dichlorobenzene	ND	11		0.055	µg/L	1	01/25/06 19:55
2,4,5-Trichlorophenol	ND	55		0.19	µg/L	1	01/25/06 19:55
2,4,6-Trichlorophenol	ND	11		0.088	µg/L	1	01/25/06 19:55
2,4-Dichlorophenol	ND	11		0.066	µg/L	1	01/25/06 19:55
2,4-Dimethylphenol	ND	11		0.25	µg/L	1	01/25/06 19:55
2,4-Dinitrophenol	ND	55		1.3	µg/L	1	01/25/06 19:55
2,4-Dinitrotoluene	ND	11		0.088	µg/L	1	01/25/06 19:55
2,6-Dinitrotoluene	ND	11		0.077	µg/L	1	01/25/06 19:55
2-Chloronaphthalene	ND	11		0.088	µg/L	1	01/25/06 19:55
2-Chlorophenol	ND	11		0.055	µg/L	1	01/25/06 19:55
2-Methylnaphthalene	ND	11		0.066	µg/L	1	01/25/06 19:55
2-Methylphenol	ND	11		0.077	µg/L	1	01/25/06 19:55
2-Nitroaniline	ND	55		0.43	µg/L	1	01/25/06 19:55
2-Nitrophenol	ND	11		0.077	µg/L	1	01/25/06 19:55
3,3'-Dichlorobenzidine	ND	22		0.30	µg/L	1	01/25/06 19:55
3-Nitroaniline	ND	55		0.23	µg/L	1	01/25/06 19:55
4,6-Dinitro-2-methylphenol	ND	11		0.46	µg/L	1	01/25/06 19:55
4-Bromophenyl phenyl ether	ND	11		0.088	µg/L	1	01/25/06 19:55
4-Chloro-3-methylphenol	ND	11		0.077	µg/L	1	01/25/06 19:55
4-Chloroaniline	ND	11		0.38	µg/L	1	01/25/06 19:55
4-Chlorophenyl phenyl ether	ND	11		0.077	µg/L	1	01/25/06 19:55
4-Methylphenol	ND	11		0.099	µg/L	1	01/25/06 19:55
4-Nitroaniline	ND	55		0.18	µg/L	1	01/25/06 19:55
4-Nitrophenol	ND	55		0.42	µg/L	1	01/25/06 19:55
Acenaphthene	ND	11		0.055	µg/L	1	01/25/06 19:55
Acenaphthylene	ND	11		0.24	µg/L	1	01/25/06 19:55
Aniline	ND	11		0.38	µg/L	1	01/25/06 19:55
Anthracene	ND	11		0.066	µg/L	1	01/25/06 19:55
Benzo[a]anthracene	ND	11		0.066	µg/L	1	01/25/06 19:55
Benzo[a]pyrene	ND	11		0.077	µg/L	1	01/25/06 19:55
Benzo[b]fluoranthene	ND	11		0.20	µg/L	1	01/25/06 19:55
Benzo[g,h,i]perylene	ND	11		0.099	µg/L	1	01/25/06 19:55

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: MS05 26

Sample Size: 910 mL

ColumnID: ZB-5

%Moisture:

Revision: 01/31/06 10:18:39 A

TestCode: 8270W TAGML

Lab ID: 0601050-006B

Client Sample ID: 1/10 EQUIP BLANK

Collection Date: 01/10/06 16:00

Date Received: 01/12/06 0:00

PrepDate: 01/16/06 12:00 A

BatchNo: 2392/R4378

FileID: 1-SAMP-N3879.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3520C)	
Benzo[k]fluoranthene	ND	11		0.18	µg/L	1	01/25/06 19:55
Benzoic acid	ND	55		12	µg/L	1	01/25/06 19:55
Benzyl alcohol	ND	11		0.20	µg/L	1	01/25/06 19:55
bis(2-Chloroethoxy)methane	ND	11		0.32	µg/L	1	01/25/06 19:55
bis(2-chloroethyl)ether	ND	11		0.088	µg/L	1	01/25/06 19:55
bis(2-chloroisopropyl)ether	ND	11		0.077	µg/L	1	01/25/06 19:55
bis(2-Ethylhexyl)phthalate	ND	11		0.41	µg/L	1	01/25/06 19:55
Butyl benzyl phthalate	ND	11		0.099	µg/L	1	01/25/06 19:55
Chrysene	ND	11		0.033	µg/L	1	01/25/06 19:55
Di-n-butyl phthalate	ND	11		0.15	µg/L	1	01/25/06 19:55
Di-n-octyl phthalate	ND	11		0.077	µg/L	1	01/25/06 19:55
Dibenz[a,h]anthracene	ND	11		0.099	µg/L	1	01/25/06 19:55
Dibenzofuran	ND	11		0.066	µg/L	1	01/25/06 19:55
Diethyl phthalate	ND	11		0.066	µg/L	1	01/25/06 19:55
Dimethyl phthalate	ND	11		0.066	µg/L	1	01/25/06 19:55
Fluoranthene	ND	11		0.044	µg/L	1	01/25/06 19:55
Fluorene	ND	11		0.066	µg/L	1	01/25/06 19:55
Hexachlorobenzene	ND	11		0.077	µg/L	1	01/25/06 19:55
Hexachlorobutadiene	ND	11		0.077	µg/L	1	01/25/06 19:55
Hexachlorocyclopentadiene	ND	11		1.6	µg/L	1	01/25/06 19:55
Hexachloroethane	ND	11		0.088	µg/L	1	01/25/06 19:55
Indeno[1,2,3-cd]pyrene	ND	11		0.099	µg/L	1	01/25/06 19:55
Isophorone	ND	11		0.044	µg/L	1	01/25/06 19:55
N-Nitroso-di-n-propylamine	ND	11		0.088	µg/L	1	01/25/06 19:55
N-Nitrosodiphenylamine	ND	11		0.32	µg/L	1	01/25/06 19:55
Naphthalene	ND	11		0.066	µg/L	1	01/25/06 19:55
Nitrobenzene	ND	11		0.055	µg/L	1	01/25/06 19:55
Pentachlorophenol	ND	55		6.9	µg/L	1	01/25/06 19:55
Phenanthrene	ND	11		0.044	µg/L	1	01/25/06 19:55
Phenol	ND	11		0.11	µg/L	1	01/25/06 19:55
Pyrene	ND	11		0.077	µg/L	1	01/25/06 19:55
Surr. 2,4,6-Tribromophenol	91.2	46-149		0	%REC	1	01/25/06 19:55
Surr. 2-Fluorobiphenyl	62.8	42-130		0	%REC	1	01/25/06 19:55
Surr. 2-Fluorophenol	61.8	26-130		0	%REC	1	01/25/06 19:55
Surr. Nitrobenzene-d5	73.0	42-130		0	%REC	1	01/25/06 19:55

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: MS05 26

Sample Size: 910 mL

ColumnID: ZB-5

%Moisture:

Revision: 01/31/06 10:18:39 A

TestCode: 8270W TAGML

Lab ID: 0601050-006B

Client Sample ID: 1/10 EQUIP BLANK

Collection Date: 01/10/06 16:00

Date Received: 01/12/06 0:00

PrepDate: 01/16/06 12:00 A

BatchNo: 2392/R4378

FileID: 1-SAMP-N3879.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SW8270C

(SW3520C)

Surr: Phenol-d5

62.8

21-134

0

%REC

1

01/25/06 19:55

Surr: Terphenyl-d14

67.7

24-147

0

%REC

1

01/25/06 19:55

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander

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Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: MS05 26

Sample Size: 940 mL

ColumnID: ZB-5

%Moisture:

Revision: 01/31/06 10:18:39 A

TestCode: 8270W TAGML

Lab ID: 0601050-007B

Client Sample ID: 1/11 EQUIP BLANK

Collection Date: 01/11/06 16:00

Date Received: 01/12/06 0:00

PrepDate: 01/16/06 12:00 A

BatchNo: 2392/R4378

FileID: 1-SAMP-N3880.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3520C)	
1,2,4-Trichlorobenzene	ND	11		0.074	µg/L	1	01/25/06 20:33
1,2-Dichlorobenzene	ND	11		0.053	µg/L	1	01/25/06 20:33
1,3-Dichlorobenzene	ND	11		0.064	µg/L	1	01/25/06 20:33
1,4-Dichlorobenzene	ND	11		0.053	µg/L	1	01/25/06 20:33
2,4,5-Trichlorophenol	ND	53		0.18	µg/L	1	01/25/06 20:33
2,4,6-Trichlorophenol	ND	11		0.085	µg/L	1	01/25/06 20:33
2,4-Dichlorophenol	ND	11		0.064	µg/L	1	01/25/06 20:33
2,4-Dimethylphenol	ND	11		0.24	µg/L	1	01/25/06 20:33
2,4-Dinitrophenol	ND	53		1.2	µg/L	1	01/25/06 20:33
2,4-Dinitrotoluene	ND	11		0.085	µg/L	1	01/25/06 20:33
2,6-Dinitrotoluene	ND	11		0.074	µg/L	1	01/25/06 20:33
2-Chloronaphthalene	ND	11		0.085	µg/L	1	01/25/06 20:33
2-Chlorophenol	ND	11		0.053	µg/L	1	01/25/06 20:33
2-Methylnaphthalene	ND	11		0.064	µg/L	1	01/25/06 20:33
2-Methylphenol	ND	11		0.074	µg/L	1	01/25/06 20:33
2-Nitroaniline	ND	53		0.41	µg/L	1	01/25/06 20:33
2-Nitrophenol	ND	11		0.074	µg/L	1	01/25/06 20:33
3,3'-Dichlorobenzidine	ND	21		0.29	µg/L	1	01/25/06 20:33
3-Nitroaniline	ND	53		0.22	µg/L	1	01/25/06 20:33
4,6-Dinitro-2-methylphenol	ND	11		0.45	µg/L	1	01/25/06 20:33
4-Bromophenyl phenyl ether	ND	11		0.085	µg/L	1	01/25/06 20:33
4-Chloro-3-methylphenol	ND	11		0.074	µg/L	1	01/25/06 20:33
4-Chloroaniline	ND	11		0.37	µg/L	1	01/25/06 20:33
4-Chlorophenyl phenyl ether	ND	11		0.074	µg/L	1	01/25/06 20:33
4-Methylphenol	ND	11		0.096	µg/L	1	01/25/06 20:33
4-Nitroaniline	ND	53		0.17	µg/L	1	01/25/06 20:33
4-Nitrophenol	ND	53		0.40	µg/L	1	01/25/06 20:33
Acenaphthene	ND	11		0.053	µg/L	1	01/25/06 20:33
Acenaphthylene	ND	11		0.23	µg/L	1	01/25/06 20:33
Aniline	ND	11		0.37	µg/L	1	01/25/06 20:33
Anthracene	ND	11		0.064	µg/L	1	01/25/06 20:33
Benzo[a]anthracene	ND	11		0.064	µg/L	1	01/25/06 20:33
Benzo[a]pyrene	ND	11		0.074	µg/L	1	01/25/06 20:33
Benzo[b]fluoranthene	ND	11		0.19	µg/L	1	01/25/06 20:33
Benzo[g,h,i]perylene	ND	11		0.096	µg/L	1	01/25/06 20:33

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: MS05 26

Sample Size: 940 mL

ColumnID: ZB-5

%Moisture:

Revision: 01/31/06 10:18:39 A

TestCode: 8270W TAGML FileID:

Lab ID: 0601050-007B

Client Sample ID: 1/11 EQUIP BLANK

Collection Date: 01/11/06 16:00

Date Received: 01/12/06 0:00

PrepDate: 01/16/06 12:00 A

BatchNo: 2392/R4378

1-SAMP-N3880.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3520C)		
Benzo[k]fluoranthene	ND	11		0.17	µg/L	1	01/25/06 20:33
Benzoic acid	ND	53		12	µg/L	1	01/25/06 20:33
Benzyl alcohol	ND	11		0.19	µg/L	1	01/25/06 20:33
bis(2-Chloroethoxy)methane	ND	11		0.31	µg/L	1	01/25/06 20:33
bis(2-chloroethyl)ether	ND	11		0.085	µg/L	1	01/25/06 20:33
bis(2-chloroisopropyl)ether	ND	11		0.074	µg/L	1	01/25/06 20:33
bis(2-Ethylhexyl)phthalate	ND	11		0.39	µg/L	1	01/25/06 20:33
Butyl benzyl phthalate	ND	11		0.096	µg/L	1	01/25/06 20:33
Chrysene	ND	11		0.032	µg/L	1	01/25/06 20:33
Di-n-butyl phthalate	ND	11		0.15	µg/L	1	01/25/06 20:33
Di-n-octyl phthalate	ND	11		0.074	µg/L	1	01/25/06 20:33
Dibenz[a,h]anthracene	ND	11		0.096	µg/L	1	01/25/06 20:33
Dibenzofuran	ND	11		0.064	µg/L	1	01/25/06 20:33
Diethyl phthalate	ND	11		0.064	µg/L	1	01/25/06 20:33
Dimethyl phthalate	ND	11		0.064	µg/L	1	01/25/06 20:33
Fluoranthene	ND	11		0.043	µg/L	1	01/25/06 20:33
Fluorene	ND	11		0.064	µg/L	1	01/25/06 20:33
Hexachlorobenzene	ND	11		0.074	µg/L	1	01/25/06 20:33
Hexachlorobutadiene	ND	11		0.074	µg/L	1	01/25/06 20:33
Hexachlorocyclopentadiene	ND	11		1.6	µg/L	1	01/25/06 20:33
Hexachloroethane	ND	11		0.085	µg/L	1	01/25/06 20:33
Indeno[1,2,3-cd]pyrene	ND	11		0.096	µg/L	1	01/25/06 20:33
Isophorone	ND	11		0.043	µg/L	1	01/25/06 20:33
N-Nitroso-di-n-propylamine	ND	11		0.065	µg/L	1	01/25/06 20:33
N-Nitrosodiphenylamine	ND	11		0.31	µg/L	1	01/25/06 20:33
Naphthalene	ND	11		0.064	µg/L	1	01/25/06 20:33
Nitrobenzene	ND	11		0.053	µg/L	1	01/25/06 20:33
Pentachlorophenol	ND	53		6.7	µg/L	1	01/25/06 20:33
Phenanthrene	ND	11		0.043	µg/L	1	01/25/06 20:33
Phenol	ND	11		0.11	µg/L	1	01/25/06 20:33
Pyrene	ND	11		0.074	µg/L	1	01/25/06 20:33
Surr: 2,4,6-Tribromophenol	93.1	46-149		0	%REC	1	01/25/06 20:33
Surr: 2-Fluorobiphenyl	65.6	42-130		0	%REC	1	01/25/06 20:33
Surr: 2-Fluorophenol	63.7	26-130		0	%REC	1	01/25/06 20:33
Surr: Nitrobenzene-d5	73.3	42-130		0	%REC	1	01/25/06 20:33

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: MS05 26

Sample Size: 940 mL

ColumnID: ZB-5

%Moisture:

Revision: 01/31/06 10:18:39 A

TestCode: 8270W TAGML

Lab ID: 0601050-007B

Client Sample ID: 1/11 EQUIP BLANK

Collection Date: 01/11/06 16:00

Date Received: 01/12/06 0:00

PrepDate: 01/16/06 12:00 A

BatchNo: 2392/R4378

FileID: 1-SAMP-N3880.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3520C)	
Surr: Phenol-d5	63.6	21-134	0	%REC	1		01/25/06 20:33
Surr: Terphenyl-d14	68.6	24-147	0	%REC	1		01/25/06 20:33

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:39

Project Supervisor: Thomas A. Alexander

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Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:15:49 A

Sample Size: 30 g

%Moisture: 20.8

TestCode: 8270S TAGML

Lab ID: 0601060-001B

Client Sample ID: BH-30-S

Collection Date: 01/11/06 16:35

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3866.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		21000	170	µg/Kg-dry	10	01/25/06 8:23
1,2-Dichlorobenzene	ND		21000	150	µg/Kg-dry	10	01/25/06 8:23
1,3-Dichlorobenzene	ND		21000	100	µg/Kg-dry	10	01/25/06 8:23
1,4-Dichlorobenzene	ND		21000	120	µg/Kg-dry	10	01/25/06 8:23
2,4,5-Trichlorophenol	ND		110000	2100	µg/Kg-dry	10	01/25/06 8:23
2,4,6-Trichlorophenol	ND		21000	190	µg/Kg-dry	10	01/25/06 8:23
2,4-Dichlorophenol	ND		21000	190	µg/Kg-dry	10	01/25/06 8:23
2,4-Dimethylphenol	ND		21000	180	µg/Kg-dry	10	01/25/06 8:23
2,4-Dinitrophenol	ND		110000	3800	µg/Kg-dry	10	01/25/06 8:23
2,4-Dinitrotoluene	ND		21000	170	µg/Kg-dry	10	01/25/06 8:23
2,6-Dinitrotoluene	ND		21000	200	µg/Kg-dry	10	01/25/06 8:23
2-Chloronaphthalene	ND		21000	100	µg/Kg-dry	10	01/25/06 8:23
2-Chlorophenol	ND		21000	140	µg/Kg-dry	10	01/25/06 8:23
2-Methylnaphthalene	ND		21000	100	µg/Kg-dry	10	01/25/06 8:23
2-Methylphenol	ND		21000	130	µg/Kg-dry	10	01/25/06 8:23
2-Nitroaniline	ND		110000	220	µg/Kg-dry	10	01/25/06 8:23
2-Nitrophenol	ND		21000	240	µg/Kg-dry	10	01/25/06 8:23
3,3'-Dichlorobenzidine	ND		42000	510	µg/Kg-dry	10	01/25/06 8:23
3-Nitroaniline	ND		110000	710	µg/Kg-dry	10	01/25/06 8:23
4,6-Dinitro-2-methylphenol	ND		110000	1700	µg/Kg-dry	10	01/25/06 8:23
4-Bromophenyl phenyl ether	ND		21000	150	µg/Kg-dry	10	01/25/06 8:23
4-Chloro-3-methylphenol	ND		21000	170	µg/Kg-dry	10	01/25/06 8:23
4-Chloroaniline	ND		21000	260	µg/Kg-dry	10	01/25/06 8:23
4-Chlorophenyl phenyl ether	ND		21000	160	µg/Kg-dry	10	01/25/06 8:23
4-Methylphenol	ND		21000	120	µg/Kg-dry	10	01/25/06 8:23
4-Nitroaniline	ND		110000	350	µg/Kg-dry	10	01/25/06 8:23
4-Nitrophenol	ND		110000	830	µg/Kg-dry	10	01/25/06 8:23
Acenaphthene	ND		21000	74	µg/Kg-dry	10	01/25/06 8:23
Acenaphthylene	ND		21000	93	µg/Kg-dry	10	01/25/06 8:23
Aniline	ND		21000	260	µg/Kg-dry	10	01/25/06 8:23
Anthracene	ND		21000	85	µg/Kg-dry	10	01/25/06 8:23
Benzo[a]anthracene	ND		21000	89	µg/Kg-dry	10	01/25/06 8:23
Benzo[a]pyrene	ND		21000	100	µg/Kg-dry	10	01/25/06 8:23
Benzo[b]fluoranthene	2400 J		21000	150	µg/Kg-dry	10	01/25/06 8:23
Benzo[g,h,i]perylene	ND		21000	110	µg/Kg-dry	10	01/25/06 8:23

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.8

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601060-001B

Client Sample ID: BH-30-S

Collection Date: 01/11/06 16:35

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3866.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		21000	130	µg/Kg-dry	10	01/25/06 8:23
Benzoic acid	ND		110000	6700	µg/Kg-dry	10	01/25/06 8:23
Benzyl alcohol	ND		21000	230	µg/Kg-dry	10	01/25/06 8:23
bis(2-Chloroethoxy)methane	ND		21000	80	µg/Kg-dry	10	01/25/06 8:23
bis(2-chloroethyl)ether	ND		21000	120	µg/Kg-dry	10	01/25/06 8:23
bis(2-chloroisopropyl)ether	ND		21000	120	µg/Kg-dry	10	01/25/06 8:23
bis(2-Ethylhexyl)phthalate	ND		21000	690	µg/Kg-dry	10	01/25/06 8:23
Butyl benzyl phthalate	ND		21000	140	µg/Kg-dry	10	01/25/06 8:23
Chrysene	ND		21000	99	µg/Kg-dry	10	01/25/06 8:23
Di-n-butyl phthalate	ND		21000	170	µg/Kg-dry	10	01/25/06 8:23
Di-n-octyl phthalate	ND		21000	99	µg/Kg-dry	10	01/25/06 8:23
Dibenz[a,h]anthracene	ND		21000	84	µg/Kg-dry	10	01/25/06 8:23
Dibenzofuran	ND		21000	92	µg/Kg-dry	10	01/25/06 8:23
Diethyl phthalate	ND		21000	150	µg/Kg-dry	10	01/25/06 8:23
Dimethyl phthalate	ND		21000	110	µg/Kg-dry	10	01/25/06 8:23
Fluoranthene	3500 J		21000	97	µg/Kg-dry	10	01/25/06 8:23
Fluorene	ND		21000	100	µg/Kg-dry	10	01/25/06 8:23
Hexachlorobenzene	ND		21000	170	µg/Kg-dry	10	01/25/06 8:23
Hexachlorobutadiene	ND		21000	220	µg/Kg-dry	10	01/25/06 8:23
Hexachlorocyclopentadiene	ND		21000	810	µg/Kg-dry	10	01/25/06 8:23
Hexachloroethane	ND		21000	230	µg/Kg-dry	10	01/25/06 8:23
Indeno[1,2,3-cd]pyrene	ND		21000	84	µg/Kg-dry	10	01/25/06 8:23
Isophorone	ND		21000	100	µg/Kg-dry	10	01/25/06 8:23
N-Nitroso-di-n-propylamine	ND		21000	180	µg/Kg-dry	10	01/25/06 8:23
N-Nitrosodiphenylamine	ND		21000	99	µg/Kg-dry	10	01/25/06 8:23
Naphthalene	ND		21000	63	µg/Kg-dry	10	01/25/06 8:23
Nitrobenzene	ND		21000	130	µg/Kg-dry	10	01/25/06 8:23
Pentachlorophenol	ND		110000	1700	µg/Kg-dry	10	01/25/06 8:23
Phenanthrene	3900 J		21000	75	µg/Kg-dry	10	01/25/06 8:23
Phenol	6400 J		21000	85	µg/Kg-dry	10	01/25/06 8:23
Pyrene	3700 J		21000	100	µg/Kg-dry	10	01/25/06 8:23
Surr: 2,4,6-Tribromophenol	87.1		20-143	0	%REC	10	01/25/06 8:23
Surr: 2-Fluorobiphenyl	86.5		46-130	0	%REC	10	01/25/06 8:23
Surr: 2-Fluorophenol	71.4		22-130	0	%REC	10	01/25/06 8:23
Surr: Nitrobenzene-d5	72.0		39-130	0	%REC	10	01/25/06 8:23

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:15:49 A

Sample Size: 30 g

%Moisture: 20.8

TestCode: 8270S TAGML

Lab ID: 0601060-001B

Client Sample ID: BH-30-S

Collection Date: 01/11/06 16:35

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3866.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	69.1		33-130	0	%REC	10	01/25/06 8:23
Surr: Terphenyl-d14	91.5		36-146	0	%REC	10	01/25/06 8:23

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 20.8

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601060-001B

Client Sample ID: BH-30-S

Collection Date: 01/11/06 16:35

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3956.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		21000	170	µg/Kg-dry	10	01/31/06 0:18
1,2-Dichlorobenzene	ND		21000	150	µg/Kg-dry	10	01/31/06 0:18
1,3-Dichlorobenzene	ND		21000	100	µg/Kg-dry	10	01/31/06 0:18
1,4-Dichlorobenzene	ND		21000	120	µg/Kg-dry	10	01/31/06 0:18
2,4,5-Trichlorophenol	ND		110000	2100	µg/Kg-dry	10	01/31/06 0:18
2,4,6-Trichlorophenol	ND		21000	190	µg/Kg-dry	10	01/31/06 0:18
2,4-Dichlorophenol	ND		21000	190	µg/Kg-dry	10	01/31/06 0:18
2,4-Dimethylphenol	ND		21000	180	µg/Kg-dry	10	01/31/06 0:18
2,4-Dinitrophenol	ND		110000	3800	µg/Kg-dry	10	01/31/06 0:18
2,4-Dinitrotoluene	ND		21000	170	µg/Kg-dry	10	01/31/06 0:18
2,6-Dinitrotoluene	ND		21000	200	µg/Kg-dry	10	01/31/06 0:18
2-Chloronaphthalene	ND		21000	100	µg/Kg-dry	10	01/31/06 0:18
2-Chlorophenol	ND		21000	140	µg/Kg-dry	10	01/31/06 0:18
2-Methylnaphthalene	ND		21000	100	µg/Kg-dry	10	01/31/06 0:18
2-Methylphenol	ND		21000	130	µg/Kg-dry	10	01/31/06 0:18
2-Nitroaniline	ND		110000	220	µg/Kg-dry	10	01/31/06 0:18
2-Nitrophenol	ND		21000	240	µg/Kg-dry	10	01/31/06 0:18
3,3'-Dichlorobenzidine	ND		42000	510	µg/Kg-dry	10	01/31/06 0:18
3-Nitroaniline	ND		110000	710	µg/Kg-dry	10	01/31/06 0:18
4,6-Dinitro-2-methylphenol	ND		110000	1700	µg/Kg-dry	10	01/31/06 0:18
4-Bromophenyl phenyl ether	ND		21000	150	µg/Kg-dry	10	01/31/06 0:18
4-Chloro-3-methylphenol	ND		21000	170	µg/Kg-dry	10	01/31/06 0:18
4-Chloroaniline	ND		21000	260	µg/Kg-dry	10	01/31/06 0:18
4-Chlorophenyl phenyl ether	ND		21000	160	µg/Kg-dry	10	01/31/06 0:18
4-Methylphenol	ND		21000	120	µg/Kg-dry	10	01/31/06 0:18
4-Nitroaniline	ND		110000	350	µg/Kg-dry	10	01/31/06 0:18
4-Nitrophenol	ND		110000	830	µg/Kg-dry	10	01/31/06 0:18
Acenaphthene	ND		21000	74	µg/Kg-dry	10	01/31/06 0:18
Acenaphthylene	ND		21000	93	µg/Kg-dry	10	01/31/06 0:18
Aniline	ND		21000	260	µg/Kg-dry	10	01/31/06 0:18
Anthracene	ND		21000	85	µg/Kg-dry	10	01/31/06 0:18
Benzo[a]anthracene	ND		21000	89	µg/Kg-dry	10	01/31/06 0:18
Benzo[a]pyrene	ND		21000	100	µg/Kg-dry	10	01/31/06 0:18
Benzo[b]fluoranthene	2400 J		21000	150	µg/Kg-dry	10	01/31/06 0:18
Benzo[g,h,i]perylene	ND		21000	110	µg/Kg-dry	10	01/31/06 0:18

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:37:14 A

Sample Size: 30 g

%Moisture: 20.8

TestCode: 8270S TAGML

Lab ID: 0601060-001B

Client Sample ID: BH-30-S

Collection Date: 01/11/06 16:35

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3956.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		21000	130	µg/Kg-dry	10	01/31/06 0:18
Benzoic acid	ND		110000	6700	µg/Kg-dry	10	01/31/06 0:18
Benzyl alcohol	ND		21000	230	µg/Kg-dry	10	01/31/06 0:18
bis(2-Chloroethoxy)methane	ND		21000	80	µg/Kg-dry	10	01/31/06 0:18
bis(2-chloroethyl)ether	ND		21000	120	µg/Kg-dry	10	01/31/06 0:18
bis(2-chloroisopropyl)ether	ND		21000	120	µg/Kg-dry	10	01/31/06 0:18
bis(2-Ethylhexyl)phthalate	ND		21000	690	µg/Kg-dry	10	01/31/06 0:18
Butyl benzyl phthalate	ND		21000	140	µg/Kg-dry	10	01/31/06 0:18
Chrysene	ND		21000	99	µg/Kg-dry	10	01/31/06 0:18
Di-n-butyl phthalate	ND		21000	170	µg/Kg-dry	10	01/31/06 0:18
Di-n-octyl phthalate	ND		21000	99	µg/Kg-dry	10	01/31/06 0:18
Dibenz[a,h]anthracene	ND		21000	84	µg/Kg-dry	10	01/31/06 0:18
Dibenzofuran	ND		21000	92	µg/Kg-dry	10	01/31/06 0:18
Diethyl phthalate	ND		21000	150	µg/Kg-dry	10	01/31/06 0:18
Dimethyl phthalate	ND		21000	110	µg/Kg-dry	10	01/31/06 0:18
Fluoranthene	2900 J		21000	97	µg/Kg-dry	10	01/31/06 0:18
Fluorene	ND		21000	100	µg/Kg-dry	10	01/31/06 0:18
Hexachlorobenzene	ND		21000	170	µg/Kg-dry	10	01/31/06 0:18
Hexachlorobutadiene	ND		21000	220	µg/Kg-dry	10	01/31/06 0:18
Hexachlorocyclopentadiene	ND		21000	810	µg/Kg-dry	10	01/31/06 0:18
Hexachloroethane	ND		21000	230	µg/Kg-dry	10	01/31/06 0:18
Indeno[1,2,3-cd]pyrene	ND		21000	84	µg/Kg-dry	10	01/31/06 0:18
Isophorone	ND		21000	100	µg/Kg-dry	10	01/31/06 0:18
N-Nitroso-di-n-propylamine	ND		21000	180	µg/Kg-dry	10	01/31/06 0:18
N-Nitrosodiphenylamine	ND		21000	99	µg/Kg-dry	10	01/31/06 0:18
Naphthalene	ND		21000	63	µg/Kg-dry	10	01/31/06 0:18
Nitrobenzene	ND		21000	130	µg/Kg-dry	10	01/31/06 0:18
Pentachlorophenol	ND		110000	1700	µg/Kg-dry	10	01/31/06 0:18
Phenanthrene	3500 J		21000	75	µg/Kg-dry	10	01/31/06 0:18
Phenol	5500 J		21000	85	µg/Kg-dry	10	01/31/06 0:18
Pyrene	2900 J		21000	100	µg/Kg-dry	10	01/31/06 0:18
Surr: 2,4,6-Tribromophenol	76.4		20-143	0	%REC	10	01/31/06 0:18
Surr: 2-Fluorobiphenyl	80.0		46-130	0	%REC	10	01/31/06 0:18
Surr: 2-Fluorophenol	57.4		22-130	0	%REC	10	01/31/06 0:18
Surr: Nitrobenzene-d5	78.0		39-130	0	%REC	10	01/31/06 0:18

Qualifiers:

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:37:14 A

Sample Size: 30 g

%Moisture: 20.8

TestCode: 8270S TAGML

Lab ID: 0601060-001B

Client Sample ID: BH-30-S

Collection Date: 01/11/06 16:35

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3956.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	53.4	33-130	0	%REC	10		01/31/06 0:18
Surr: Terphenyl-d14	68.0	36-146	0	%REC	10		01/31/06 0:18

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:15:49 A

Sample Size: 30 g

%Moisture: 19.5

TestCode: 8270S TAGML

Lab ID: 0601060-002B

Client Sample ID: BH-32-S

Collection Date: 01/12/06 10:15

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3867.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		410	3.3	µg/Kg-dry	1	01/25/06 9:00
1,2-Dichlorobenzene	ND		410	2.9	µg/Kg-dry	1	01/25/06 9:00
1,3-Dichlorobenzene	ND		410	2.0	µg/Kg-dry	1	01/25/06 9:00
1,4-Dichlorobenzene	ND		410	2.3	µg/Kg-dry	1	01/25/06 9:00
2,4,5-Trichlorophenol	ND		2100	41	µg/Kg-dry	1	01/25/06 9:00
2,4,6-Trichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/25/06 9:00
2,4-Dichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/25/06 9:00
2,4-Dimethylphenol	ND		410	3.5	µg/Kg-dry	1	01/25/06 9:00
2,4-Dinitrophenol	ND		2100	75	µg/Kg-dry	1	01/25/06 9:00
2,4-Dinitrotoluene	ND		410	3.4	µg/Kg-dry	1	01/25/06 9:00
2,6-Dinitrotoluene	ND		410	4.0	µg/Kg-dry	1	01/25/06 9:00
2-Chloronaphthalene	ND		410	2.0	µg/Kg-dry	1	01/25/06 9:00
2-Chlorophenol	ND		410	2.7	µg/Kg-dry	1	01/25/06 9:00
2-Methylnaphthalene	ND		410	2.0	µg/Kg-dry	1	01/25/06 9:00
2-Methylphenol	ND		410	2.5	µg/Kg-dry	1	01/25/06 9:00
2-Nitroaniline	ND		2100	4.3	µg/Kg-dry	1	01/25/06 9:00
2-Nitrophenol	ND		410	4.7	µg/Kg-dry	1	01/25/06 9:00
3,3'-Dichlorobenzidine	ND		820	10	µg/Kg-dry	1	01/25/06 9:00
3-Nitroaniline	ND		2100	14	µg/Kg-dry	1	01/25/06 9:00
4,6-Dinitro-2-methylphenol	ND		2100	34	µg/Kg-dry	1	01/25/06 9:00
4-Bromophenyl phenyl ether	ND		410	2.9	µg/Kg-dry	1	01/25/06 9:00
4-Chloro-3-methylphenol	ND		410	3.3	µg/Kg-dry	1	01/25/06 9:00
4-Chloroaniline	ND		410	5.0	µg/Kg-dry	1	01/25/06 9:00
4-Chlorophenyl phenyl ether	ND		410	3.1	µg/Kg-dry	1	01/25/06 9:00
4-Methylphenol	ND		410	2.4	µg/Kg-dry	1	01/25/06 9:00
4-Nitroaniline	ND		2100	6.9	µg/Kg-dry	1	01/25/06 9:00
4-Nitrophenol	ND		2100	16	µg/Kg-dry	1	01/25/06 9:00
Acenaphthene	ND		410	1.5	µg/Kg-dry	1	01/25/06 9:00
Acenaphthylene	ND		410	1.8	µg/Kg-dry	1	01/25/06 9:00
Aniline	ND		410	5.1	µg/Kg-dry	1	01/25/06 9:00
Anthracene	ND		410	1.7	µg/Kg-dry	1	01/25/06 9:00
Benzo[a]anthracene	75 J		410	1.8	µg/Kg-dry	1	01/25/06 9:00
Benzo[a]pyrene	83 J		410	2.1	µg/Kg-dry	1	01/25/06 9:00
Benzo[b]fluoranthene	140 J		410	3.0	µg/Kg-dry	1	01/25/06 9:00
Benzo[g,h,i]perylene	48 J		410	2.1	µg/Kg-dry	1	01/25/06 9:00

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.5

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601060-002B

Client Sample ID: BH-32-S

Collection Date: 01/12/06 10:15

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3867.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	58	J	410	2.6	µg/Kg-dry	1	01/25/06 9:00
Benzoic acid	ND		2100	130	µg/Kg-dry	1	01/25/06 9:00
Benzyl alcohol	ND		410	4.6	µg/Kg-dry	1	01/25/06 9:00
bis(2-Chloroethoxy)methane	ND		410	1.6	µg/Kg-dry	1	01/25/06 9:00
bis(2-chloroethyl)ether	ND		410	2.3	µg/Kg-dry	1	01/25/06 9:00
bis(2-chloroisopropyl)ether	ND		410	2.3	µg/Kg-dry	1	01/25/06 9:00
bis(2-Ethylhexyl)phthalate	53	J	410	14	µg/Kg-dry	1	01/25/06 9:00
Butyl benzyl phthalate	ND		410	2.7	µg/Kg-dry	1	01/25/06 9:00
Chrysene	120	J	410	2.0	µg/Kg-dry	1	01/25/06 9:00
Di-n-butyl phthalate	ND		410	3.4	µg/Kg-dry	1	01/25/06 9:00
Di-n-octyl phthalate	ND		410	2.0	µg/Kg-dry	1	01/25/06 9:00
Dibenz[a,h]anthracene	ND		410	1.7	µg/Kg-dry	1	01/25/06 9:00
Dibenzofuran	ND		410	1.8	µg/Kg-dry	1	01/25/06 9:00
Diethyl phthalate	ND		410	3.0	µg/Kg-dry	1	01/25/06 9:00
Dimethyl phthalate	ND		410	2.1	µg/Kg-dry	1	01/25/06 9:00
Fluoranthene	170	J	410	1.9	µg/Kg-dry	1	01/25/06 9:00
Fluorene	ND		410	2.1	µg/Kg-dry	1	01/25/06 9:00
Hexachlorobenzene	ND		410	3.3	µg/Kg-dry	1	01/25/06 9:00
Hexachlorobutadiene	ND		410	4.4	µg/Kg-dry	1	01/25/06 9:00
Hexachlorocyclopentadiene	ND		410	16	µg/Kg-dry	1	01/25/06 9:00
Hexachloroethane	ND		410	4.4	µg/Kg-dry	1	01/25/06 9:00
Indeno[1,2,3-cd]pyrene	ND		410	1.7	µg/Kg-dry	1	01/25/06 9:00
Isophorone	ND		410	2.0	µg/Kg-dry	1	01/25/06 9:00
N-Nitroso-di-n-propylamine	ND		410	3.5	µg/Kg-dry	1	01/25/06 9:00
N-Nitrosodiphenylamine	ND		410	2.0	µg/Kg-dry	1	01/25/06 9:00
Naphthalene	ND		410	1.2	µg/Kg-dry	1	01/25/06 9:00
Nitrobenzene	ND		410	2.5	µg/Kg-dry	1	01/25/06 9:00
Pentachlorophenol	ND		2100	34	µg/Kg-dry	1	01/25/06 9:00
Phenanthrene	100	J	410	1.5	µg/Kg-dry	1	01/25/06 9:00
Phenol	ND		410	1.7	µg/Kg-dry	1	01/25/06 9:00
Pyrene	200	J	410	2.0	µg/Kg-dry	1	01/25/06 9:00
Surr: 2,4,6-Tribromophenol	90.0		20-143	0	%REC	1	01/25/06 9:00
Surr: 2-Fluorobiphenyl	76.8		46-130	0	%REC	1	01/25/06 9:00
Surr: 2-Fluorophenol	64.9		22-130	0	%REC	1	01/25/06 9:00
Surr: Nitrobenzene-d5	68.6		39-130	0	%REC	1	01/25/06 9:00

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.5

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601060-002B

Client Sample ID: BH-32-S

Collection Date: 01/12/06 10:15

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3867.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	64.4	33-130		0	%REC	1	01/25/06 9:00
Surr: Terphenyl-d14	87.3	36-146		0	%REC	1	01/25/06 9:00

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.5

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601060-002B

Client Sample ID: BH-32-S

Collection Date: 01/12/06 10:15

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: I-RA-N3953.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		410	3.3	µg/Kg-dry	1	01/30/06 22:25
1,2-Dichlorobenzene	ND		410	2.9	µg/Kg-dry	1	01/30/06 22:25
1,3-Dichlorobenzene	ND		410	2.0	µg/Kg-dry	1	01/30/06 22:25
1,4-Dichlorobenzene	ND		410	2.3	µg/Kg-dry	1	01/30/06 22:25
2,4,5-Trichlorophenol	ND		2100	41	µg/Kg-dry	1	01/30/06 22:25
2,4,6-Trichlorophenol	ND		410	3.8	µg/Kg-dry	1	01/30/06 22:25
2,4-Dichlorophenol	ND		410	3.6	µg/Kg-dry	1	01/30/06 22:25
2,4-Dimethylphenol	ND		410	3.5	µg/Kg-dry	1	01/30/06 22:25
2,4-Dinitrophenol	ND		2100	75	µg/Kg-dry	1	01/30/06 22:25
2,4-Dinitrotoluene	ND		410	3.4	µg/Kg-dry	1	01/30/06 22:25
2,6-Dinitrotoluene	ND		410	4.0	µg/Kg-dry	1	01/30/06 22:25
2-Chloronaphthalene	ND		410	2.0	µg/Kg-dry	1	01/30/06 22:25
2-Chlorophenol	ND		410	2.7	µg/Kg-dry	1	01/30/06 22:25
2-Methylnaphthalene	ND		410	2.0	µg/Kg-dry	1	01/30/06 22:25
2-Methylphenol	ND		410	2.5	µg/Kg-dry	1	01/30/06 22:25
2-Nitroaniline	ND		2100	4.3	µg/Kg-dry	1	01/30/06 22:25
2-Nitrophenol	ND		410	4.7	µg/Kg-dry	1	01/30/06 22:25
3,3'-Dichlorobenzidine	ND		620	10	µg/Kg-dry	1	01/30/06 22:25
3-Nitroaniline	ND		2100	14	µg/Kg-dry	1	01/30/06 22:25
4,6-Dinitro-2-methylphenol	ND		2100	34	µg/Kg-dry	1	01/30/06 22:25
4-Bromophenyl phenyl ether	ND		410	2.9	µg/Kg-dry	1	01/30/06 22:25
4-Chloro-3-methylphenol	ND		410	3.3	µg/Kg-dry	1	01/30/06 22:25
4-Chloroaniline	ND		410	5.0	µg/Kg-dry	1	01/30/06 22:25
4-Chlorophenyl phenyl ether	ND		410	3.1	µg/Kg-dry	1	01/30/06 22:25
4-Methylphenol	ND		410	2.4	µg/Kg-dry	1	01/30/06 22:25
4-Nitroaniline	ND		2100	6.9	µg/Kg-dry	1	01/30/06 22:25
4-Nitrophenol	ND		2100	16	µg/Kg-dry	1	01/30/06 22:25
Acenaphthene	ND		410	1.5	µg/Kg-dry	1	01/30/06 22:25
Acenaphthylene	ND		410	1.8	µg/Kg-dry	1	01/30/06 22:25
Aniline	ND		410	5.1	µg/Kg-dry	1	01/30/06 22:25
Anthracene	ND		410	1.7	µg/Kg-dry	1	01/30/06 22:25
Benzo[a]anthracene	78 J		410	1.8	µg/Kg-dry	1	01/30/06 22:25
Benzo[a]pyrene	75 J		410	2.1	µg/Kg-dry	1	01/30/06 22:25
Benzo[b]fluoranthene	150 J		410	3.0	µg/Kg-dry	1	01/30/06 22:25
Benzo[g,h,i]perylene	42 J		410	2.1	µg/Kg-dry	1	01/30/06 22:25

Qualifiers:

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 19.5

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601060-002B

Client Sample ID: BH-32-S

Collection Date: 01/12/06 10:15

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3953.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	47 J	410	2.6	µg/Kg-dry	1	01/30/06 22:25	
Benzoic acid	ND	2100	130	µg/Kg-dry	1	01/30/06 22:25	
Benzyl alcohol	ND	410	4.6	µg/Kg-dry	1	01/30/06 22:25	
bis(2-Chloroethoxy)methane	ND	410	1.6	µg/Kg-dry	1	01/30/06 22:25	
bis(2-chloroethyl)ether	ND	410	2.3	µg/Kg-dry	1	01/30/06 22:25	
bis(2-chloroisopropyl)ether	ND	410	2.3	µg/Kg-dry	1	01/30/06 22:25	
bis(2-Ethylhexyl)phthalate	53 J	410	14	µg/Kg-dry	1	01/30/06 22:25	
Butyl benzyl phthalate	ND	410	2.7	µg/Kg-dry	1	01/30/06 22:25	
Chrysene	100 J	410	2.0	µg/Kg-dry	1	01/30/06 22:25	
Di-n-butyl phthalate	42 J	410	3.4	µg/Kg-dry	1	01/30/06 22:25	
Di-n-octyl phthalate	ND	410	2.0	µg/Kg-dry	1	01/30/06 22:25	
Dibenz[a,h]anthracene	ND	410	1.7	µg/Kg-dry	1	01/30/06 22:25	
Dibenzofuran	ND	410	1.8	µg/Kg-dry	1	01/30/06 22:25	
Diethyl phthalate	ND	410	3.0	µg/Kg-dry	1	01/30/06 22:25	
Dimethyl phthalate	ND	410	2.1	µg/Kg-dry	1	01/30/06 22:25	
Fluoranthene	170 J	410	1.9	µg/Kg-dry	1	01/30/06 22:25	
Fluorene	ND	410	2.1	µg/Kg-dry	1	01/30/06 22:25	
Hexachlorobenzene	ND	410	3.3	µg/Kg-dry	1	01/30/06 22:25	
Hexachlorobutadiene	ND	410	4.4	µg/Kg-dry	1	01/30/06 22:25	
Hexachlorocyclopentadiene	ND	410	16	µg/Kg-dry	1	01/30/06 22:25	
Hexachloroethane	ND	410	4.4	µg/Kg-dry	1	01/30/06 22:25	
Indeno[1,2,3-cd]pyrene	ND	410	1.7	µg/Kg-dry	1	01/30/06 22:25	
Isophorone	ND	410	2.0	µg/Kg-dry	1	01/30/06 22:25	
N-Nitroso-di-n-propylamine	ND	410	3.5	µg/Kg-dry	1	01/30/06 22:25	
N-Nitrosodiphenylamine	ND	410	2.0	µg/Kg-dry	1	01/30/06 22:25	
Naphthalene	ND	410	1.2	µg/Kg-dry	1	01/30/06 22:25	
Nitrobenzene	ND	410	2.5	µg/Kg-dry	1	01/30/06 22:25	
Pentachlorophenol	ND	2100	34	µg/Kg-dry	1	01/30/06 22:25	
Phenanthrene	96 J	410	1.5	µg/Kg-dry	1	01/30/06 22:25	
Phenol	ND	410	1.7	µg/Kg-dry	1	01/30/06 22:25	
Pyrene	140 J	410	2.0	µg/Kg-dry	1	01/30/06 22:25	
Surr: 2,4,6-Tribromophenol	106	20-143	0	%REC	1	01/30/06 22:25	
Surr: 2-Fluorobiphenyl	83.0	46-130	0	%REC	1	01/30/06 22:25	
Surr: 2-Fluorophenol	62.8	22-130	0	%REC	1	01/30/06 22:25	
Surr: Nitrobenzene-d5	69.2	39-130	0	%REC	1	01/30/06 22:25	

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:37:14 A

Sample Size: 30 g

%Moisture: 19.5

TestCode: 8270S TAGML

Lab ID: 0601060-002B

Client Sample ID: BH-32-S

Collection Date: 01/12/06 10:15

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3953.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	60.0	33-130	0		%REC	1	01/30/06 22:25
Surr: Terphenyl-d14	73.1	36-146	0		%REC	1	01/30/06 22:25

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 15.1

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601060-003B

Client Sample ID: BH-32-D

Collection Date: 01/12/06 10:30

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3868.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		390	3.1	µg/Kg-dry	1	01/25/06 9:38
1,2-Dichlorobenzene	ND		390	2.8	µg/Kg-dry	1	01/25/06 9:38
1,3-Dichlorobenzene	ND		390	1.9	µg/Kg-dry	1	01/25/06 9:38
1,4-Dichlorobenzene	ND		390	2.2	µg/Kg-dry	1	01/25/06 9:38
2,4,5-Trichlorophenol	ND		2000	39	µg/Kg-dry	1	01/25/06 9:38
2,4,6-Trichlorophenol	ND		390	3.6	µg/Kg-dry	1	01/25/06 9:38
2,4-Dichlorophenol	ND		390	3.6	µg/Kg-dry	1	01/25/06 9:38
2,4-Dimethylphenol	ND		390	3.3	µg/Kg-dry	1	01/25/06 9:38
2,4-Dinitrophenol	ND		2000	71	µg/Kg-dry	1	01/25/06 9:38
2,4-Dinitrotoluene	ND		390	3.3	µg/Kg-dry	1	01/25/06 9:38
2,6-Dinitrotoluene	ND		390	3.8	µg/Kg-dry	1	01/25/06 9:38
2-Chloronaphthalene	ND		390	1.9	µg/Kg-dry	1	01/25/06 9:38
2-Chlorophenol	ND		390	2.6	µg/Kg-dry	1	01/25/06 9:38
2-Methylnaphthalene	ND		390	1.9	µg/Kg-dry	1	01/25/06 9:38
2-Methylphenol	ND		390	2.4	µg/Kg-dry	1	01/25/06 9:38
2-Nitroaniline	ND		2000	4.1	µg/Kg-dry	1	01/25/06 9:38
2-Nitrophenol	ND		390	4.5	µg/Kg-dry	1	01/25/06 9:38
3,3'-Dichlorobenzidine	ND		780	9.6	µg/Kg-dry	1	01/25/06 9:38
3-Nitroaniline	ND		2000	13	µg/Kg-dry	1	01/25/06 9:38
4,6-Dinitro-2-methylphenol	ND		2000	32	µg/Kg-dry	1	01/25/06 9:38
4-Bromophenyl phenyl ether	ND		390	2.7	µg/Kg-dry	1	01/25/06 9:38
4-Chloro-3-methylphenol	ND		390	3.1	µg/Kg-dry	1	01/25/06 9:38
4-Chloroaniline	ND		390	4.8	µg/Kg-dry	1	01/25/06 9:38
4-Chlorophenyl phenyl ether	ND		390	3.0	µg/Kg-dry	1	01/25/06 9:38
4-Methylphenol	ND		390	2.2	µg/Kg-dry	1	01/25/06 9:38
4-Nitroaniline	ND		2000	6.5	µg/Kg-dry	1	01/25/06 9:38
4-Nitrophenol	ND		2000	16	µg/Kg-dry	1	01/25/06 9:38
Acenaphthene	ND		390	1.4	µg/Kg-dry	1	01/25/06 9:38
Acenaphthylene	ND		390	1.7	µg/Kg-dry	1	01/25/06 9:38
Aniline	ND		390	4.8	µg/Kg-dry	1	01/25/06 9:38
Anthracene	ND		390	1.6	µg/Kg-dry	1	01/25/06 9:38
Benzo[a]anthracene	70 J		390	1.7	µg/Kg-dry	1	01/25/06 9:38
Benzo[a]pyrene	81 J		390	1.9	µg/Kg-dry	1	01/25/06 9:38
Benzo[b]fluoranthene	140 J		390	2.8	µg/Kg-dry	1	01/25/06 9:38
Benzo[g,h,i]perylene	ND		390	2.0	µg/Kg-dry	1	01/25/06 9:38

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 15.1

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601060-003B

Client Sample ID: BH-32-D

Collection Date: 01/12/06 10:30

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3868.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	46	J	390	2.5	µg/Kg-dry	1	01/25/06 9:38
Benzoic acid	ND		2000	120	µg/Kg-dry	1	01/25/06 9:38
Benzyl alcohol	ND		390	4.3	µg/Kg-dry	1	01/25/06 9:38
bis(2-Chloroethoxy)methane	ND		390	1.5	µg/Kg-dry	1	01/25/06 9:38
bis(2-chloroethyl)ether	ND		390	2.2	µg/Kg-dry	1	01/25/06 9:38
bis(2-chloroisopropyl)ether	ND		390	2.2	µg/Kg-dry	1	01/25/06 9:38
bis(2-Ethylhexyl)phthalate	ND		390	13	µg/Kg-dry	1	01/25/06 9:38
Butyl benzyl phthalate	ND		390	2.6	µg/Kg-dry	1	01/25/06 9:38
Chrysene	86	J	390	1.8	µg/Kg-dry	1	01/25/06 9:38
DI-n-butyl phthalate	ND		390	3.2	µg/Kg-dry	1	01/25/06 9:38
DI-n-octyl phthalate	ND		390	1.8	µg/Kg-dry	1	01/25/06 9:38
Dibenz[a,h]anthracene	ND		390	1.6	µg/Kg-dry	1	01/25/06 9:38
Dibenzofuran	ND		390	1.7	µg/Kg-dry	1	01/25/06 9:38
Diethyl phthalate	ND		390	2.8	µg/Kg-dry	1	01/25/06 9:38
Dimethyl phthalate	ND		390	2.0	µg/Kg-dry	1	01/25/06 9:38
Fluoranthene	100	J	390	1.8	µg/Kg-dry	1	01/25/06 9:38
Fluorene	ND		390	1.9	µg/Kg-dry	1	01/25/06 9:38
Hexachlorobenzene	ND		390	3.1	µg/Kg-dry	1	01/25/06 9:38
Hexachlorobutadiene	ND		390	4.1	µg/Kg-dry	1	01/25/06 9:38
Hexachlorocyclopentadiene	ND		390	15	µg/Kg-dry	1	01/25/06 9:38
Hexachloroethane	ND		390	4.2	µg/Kg-dry	1	01/25/06 9:38
Indeno[1,2,3-cd]pyrene	ND		390	1.6	µg/Kg-dry	1	01/25/06 9:38
Isophorone	ND		390	1.9	µg/Kg-dry	1	01/25/06 9:38
N-Nitroso-di-n-propylamine	ND		390	3.3	µg/Kg-dry	1	01/25/06 9:38
N-Nitrosodiphenylamine	ND		390	1.8	µg/Kg-dry	1	01/25/06 9:38
Naphthalene	ND		390	1.2	µg/Kg-dry	1	01/25/06 9:38
Nitrobenzene	ND		390	2.3	µg/Kg-dry	1	01/25/06 9:38
Pentachlorophenol	ND		2000	32	µg/Kg-dry	1	01/25/06 9:38
Phenanthrene	47	J	390	1.4	µg/Kg-dry	1	01/25/06 9:38
Phenol	ND		390	1.6	µg/Kg-dry	1	01/25/06 9:38
Pyrene	120	J	390	1.9	µg/Kg-dry	1	01/25/06 9:38
Surr: 2,4,6-Tribromophenol	91.0		20-143	0	%REC	1	01/25/06 9:38
Surr: 2-Fluorobiphenyl	77.9		46-130	0	%REC	1	01/25/06 9:38
Surr: 2-Fluorophenol	64.5		22-130	0	%REC	1	01/25/06 9:38
Surr: Nitrobenzene-d5	68.8		39-130	0	%REC	1	01/25/06 9:38

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 15.1

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601060-003B

Client Sample ID: BH-32-D

Collection Date: 01/12/06 10:30

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3868.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	65.2	33-130	0		%REC	1	01/25/06 9:38
Surr: Terphenyl-d14	83.2	36-146	0		%REC	1	01/25/06 9:38

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 15.1

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601060-003B

Client Sample ID: BH-32-D

Collection Date: 01/12/06 10:30

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3951.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		390	3.1	µg/Kg-dry	1	01/30/06 21:10
1,2-Dichlorobenzene	ND		390	2.8	µg/Kg-dry	1	01/30/06 21:10
1,3-Dichlorobenzene	ND		390	1.9	µg/Kg-dry	1	01/30/06 21:10
1,4-Dichlorobenzene	ND		390	2.2	µg/Kg-dry	1	01/30/06 21:10
2,4,5-Trichlorophenol	ND		2000	39	µg/Kg-dry	1	01/30/06 21:10
2,4,6-Trichlorophenol	ND		390	3.6	µg/Kg-dry	1	01/30/06 21:10
2,4-Dichlorophenol	ND		390	3.6	µg/Kg-dry	1	01/30/06 21:10
2,4-Dimethylphenol	ND		390	3.3	µg/Kg-dry	1	01/30/06 21:10
2,4-Dinitrophenol	ND		2000	71	µg/Kg-dry	1	01/30/06 21:10
2,4-Dinitrotoluene	ND		390	3.3	µg/Kg-dry	1	01/30/06 21:10
2,6-Dinitrotoluene	ND		390	3.8	µg/Kg-dry	1	01/30/06 21:10
2-Chloronaphthalene	ND		390	1.9	µg/Kg-dry	1	01/30/06 21:10
2-Chlorophenol	ND		390	2.6	µg/Kg-dry	1	01/30/06 21:10
2-Methylnaphthalene	ND		390	1.9	µg/Kg-dry	1	01/30/06 21:10
2-Methylphenol	ND		390	2.4	µg/Kg-dry	1	01/30/06 21:10
2-Nitroaniline	ND		2000	4.1	µg/Kg-dry	1	01/30/06 21:10
2-Nitrophenol	ND		390	4.5	µg/Kg-dry	1	01/30/06 21:10
3,3'-Dichlorobenzidine	ND		780	9.6	µg/Kg-dry	1	01/30/06 21:10
3-Nitroaniline	ND		2000	13	µg/Kg-dry	1	01/30/06 21:10
4,6-Dinitro-2-methylphenol	ND		2000	32	µg/Kg-dry	1	01/30/06 21:10
4-Bromophenyl phenyl ether	ND		390	2.7	µg/Kg-dry	1	01/30/06 21:10
4-Chloro-3-methylphenol	ND		390	3.1	µg/Kg-dry	1	01/30/06 21:10
4-Chloroaniline	ND		390	4.8	µg/Kg-dry	1	01/30/06 21:10
4-Chlorophenyl phenyl ether	ND		390	3.0	µg/Kg-dry	1	01/30/06 21:10
4-Methylphenol	ND		390	2.2	µg/Kg-dry	1	01/30/06 21:10
4-Nitroaniline	ND		2000	6.5	µg/Kg-dry	1	01/30/06 21:10
4-Nitrophenol	ND		2000	16	µg/Kg-dry	1	01/30/06 21:10
Acenaphthene	ND		390	1.4	µg/Kg-dry	1	01/30/06 21:10
Acenaphthylene	ND		390	1.7	µg/Kg-dry	1	01/30/06 21:10
Aniline	ND		390	4.8	µg/Kg-dry	1	01/30/06 21:10
Anthracene	ND		390	1.6	µg/Kg-dry	1	01/30/06 21:10
Benzo[a]anthracene	71 J		390	1.7	µg/Kg-dry	1	01/30/06 21:10
Benzo[a]pyrene	73 J		390	1.9	µg/Kg-dry	1	01/30/06 21:10
Benzo[b]fluoranthene	120 J		390	2.8	µg/Kg-dry	1	01/30/06 21:10
Benzo[g,h,i]perylene	ND		390	2.0	µg/Kg-dry	1	01/30/06 21:10

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 15.1

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601060-003B

Client Sample ID: BH-32-D

Collection Date: 01/12/06 10:30

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3951.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	ND		390	2.5	µg/Kg-dry	1	01/30/06 21:10
Benzoic acid	ND		2000	120	µg/Kg-dry	1	01/30/06 21:10
Benzyl alcohol	ND		390	4.3	µg/Kg-dry	1	01/30/06 21:10
bis(2-Chloroethoxy)methane	ND		390	1.5	µg/Kg-dry	1	01/30/06 21:10
bis(2-chloroethyl)ether	ND		390	2.2	µg/Kg-dry	1	01/30/06 21:10
bis(2-chloroisopropyl)ether	ND		390	2.2	µg/Kg-dry	1	01/30/06 21:10
bis(2-Ethylhexyl)phthalate	ND		390	13	µg/Kg-dry	1	01/30/06 21:10
Butyl benzyl phthalate	ND		390	2.6	µg/Kg-dry	1	01/30/06 21:10
Chrysene	79 J		390	1.8	µg/Kg-dry	1	01/30/06 21:10
Di-n-butyl phthalate	ND		390	3.2	µg/Kg-dry	1	01/30/06 21:10
Di-n-octyl phthalate	ND		390	1.8	µg/Kg-dry	1	01/30/06 21:10
Dibenz[a,h]anthracene	ND		390	1.6	µg/Kg-dry	1	01/30/06 21:10
Dibenzofuran	ND		390	1.7	µg/Kg-dry	1	01/30/06 21:10
Diethyl phthalate	ND		390	2.8	µg/Kg-dry	1	01/30/06 21:10
Dimethyl phthalate	ND		390	2.0	µg/Kg-dry	1	01/30/06 21:10
Fluoranthene	95 J		390	1.8	µg/Kg-dry	1	01/30/06 21:10
Fluorene	ND		390	1.9	µg/Kg-dry	1	01/30/06 21:10
Hexachlorobenzene	ND		390	3.1	µg/Kg-dry	1	01/30/06 21:10
Hexachlorobutadiene	ND		390	4.1	µg/Kg-dry	1	01/30/06 21:10
Hexachlorocyclopentadiene	ND		390	15	µg/Kg-dry	1	01/30/06 21:10
Hexachloroethane	ND		390	4.2	µg/Kg-dry	1	01/30/06 21:10
Indeno[1,2,3-cd]pyrene	ND		390	1.6	µg/Kg-dry	1	01/30/06 21:10
Isophorone	ND		390	1.9	µg/Kg-dry	1	01/30/06 21:10
N-Nitroso-di-n-propylamine	ND		390	3.3	µg/Kg-dry	1	01/30/06 21:10
N-Nitrosodiphenylamine	ND		390	1.8	µg/Kg-dry	1	01/30/06 21:10
Naphthalene	ND		390	1.2	µg/Kg-dry	1	01/30/06 21:10
Nitrobenzene	ND		390	2.3	µg/Kg-dry	1	01/30/06 21:10
Pentachlorophenol	ND		2000	32	µg/Kg-dry	1	01/30/06 21:10
Phenanthrene	49 J		390	1.4	µg/Kg-dry	1	01/30/06 21:10
Phenol	ND		390	1.6	µg/Kg-dry	1	01/30/06 21:10
Pyrene	90 J		390	1.9	µg/Kg-dry	1	01/30/06 21:10
Surr: 2,4,6-Tribromophenol	105		20-143	0	%REC	1	01/30/06 21:10
Surr: 2-Fluorobiphenyl	87.1		46-130	0	%REC	1	01/30/06 21:10
Surr: 2-Fluorophenol	62.2		22-130	0	%REC	1	01/30/06 21:10
Surr: Nitrobenzene-d5	73.5		39-130	0	%REC	1	01/30/06 21:10

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 15.1

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601060-003B

Client Sample ID: BH-32-D

Collection Date: 01/12/06 10:30

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3951.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Sum: Phenol-d5	59.9	33-130	0	%REC	1		01/30/06 21:10
Sum: Terphenyl-d14	71.6	38-146	0	%REC	1		01/30/06 21:10

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:15:49 A

Sample Size: 30 g

%Moisture: 14.6

TestCode: 8270S TAGML

Lab ID: 0601060-004B

Client Sample ID: BH-33-S

Collection Date: 01/12/06 10:45

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3869.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		390	3.1	µg/Kg-dry	1	01/25/06 10:15
1,2-Dichlorobenzene	ND		390	2.7	µg/Kg-dry	1	01/25/06 10:15
1,3-Dichlorobenzene	ND		390	1.8	µg/Kg-dry	1	01/25/06 10:15
1,4-Dichlorobenzene	ND		390	2.2	µg/Kg-dry	1	01/25/06 10:15
2,4,5-Trichlorophenol	ND		2000	38	µg/Kg-dry	1	01/25/06 10:15
2,4,6-Trichlorophenol	ND		390	3.6	µg/Kg-dry	1	01/25/06 10:15
2,4-Dichlorophenol	ND		390	3.6	µg/Kg-dry	1	01/25/06 10:15
2,4-Dimethylphenol	ND		390	3.3	µg/Kg-dry	1	01/25/06 10:15
2,4-Dinitrophenol	ND		2000	71	µg/Kg-dry	1	01/25/06 10:15
2,4-Dinitrotoluene	ND		390	3.2	µg/Kg-dry	1	01/25/06 10:15
2,6-Dinitrotoluene	ND		390	3.7	µg/Kg-dry	1	01/25/06 10:15
2-Chloronaphthalene	ND		390	1.8	µg/Kg-dry	1	01/25/06 10:15
2-Chlorophenol	ND		390	2.5	µg/Kg-dry	1	01/25/06 10:15
2-Methylnaphthalene	210 J		390	1.9	µg/Kg-dry	1	01/25/06 10:15
2-Methylphenol	ND		390	2.4	µg/Kg-dry	1	01/25/06 10:15
2-Nitroaniline	ND		2000	4.1	µg/Kg-dry	1	01/25/06 10:15
2-Nitrophenol	ND		390	4.4	µg/Kg-dry	1	01/25/06 10:15
3,3'-Dichlorobenzidine	ND		770	9.5	µg/Kg-dry	1	01/25/06 10:15
3-Nitroaniline	ND		2000	13	µg/Kg-dry	1	01/25/06 10:15
4,6-Dinitro-2-methylphenol	ND		2000	32	µg/Kg-dry	1	01/25/06 10:15
4-Bromophenyl phenyl ether	ND		390	2.7	µg/Kg-dry	1	01/25/06 10:15
4-Chloro-3-methylphenol	ND		390	3.1	µg/Kg-dry	1	01/25/06 10:15
4-Chloroaniline	ND		390	4.7	µg/Kg-dry	1	01/25/06 10:15
4-Chlorophenyl phenyl ether	ND		390	3.0	µg/Kg-dry	1	01/25/06 10:15
4-Methylphenol	ND		390	2.2	µg/Kg-dry	1	01/25/06 10:15
4-Nitroaniline	ND		2000	6.5	µg/Kg-dry	1	01/25/06 10:15
4-Nitrophenol	ND		2000	15	µg/Kg-dry	1	01/25/06 10:15
Acenaphthene	420		390	1.4	µg/Kg-dry	1	01/25/06 10:15
Acenaphthylene	170 J		390	1.7	µg/Kg-dry	1	01/25/06 10:15
Aniline	ND		390	4.8	µg/Kg-dry	1	01/25/06 10:15
Anthracene	1100		390	1.6	µg/Kg-dry	1	01/25/06 10:15
Benzo[a]anthracene	2800		390	1.7	µg/Kg-dry	1	01/25/06 10:15
Benzo[a]pyrene	2300		390	1.9	µg/Kg-dry	1	01/25/06 10:15
Benzo[b]fluoranthene	3400		390	2.8	µg/Kg-dry	1	01/25/06 10:15
Benzo[g,h,i]perylene	880		390	2.0	µg/Kg-dry	1	01/25/06 10:15

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range
H Holding times for preparation or analysis exceeded J Analyte detected below the PQL
ND Not Detected at the Practical Quantitation Limit (PQL) P Prim./Conf. column %D or RPD exceeds limit
S Spike Recovery outside accepted recovery limits



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Analytical Results

StateCertNo: 10155

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W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 14.6

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601060-004B

Client Sample ID: BH-33-S

Collection Date: 01/12/06 10:45

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3869.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	1200	390		2.5	µg/Kg-dry	1	01/25/06 10:15
Benzoic acid	ND	2000		120	µg/Kg-dry	1	01/25/06 10:15
Benzyl alcohol	ND	390		4.3	µg/Kg-dry	1	01/25/06 10:15
bis(2-Chloroethoxy)methane	ND	390		1.5	µg/Kg-dry	1	01/25/06 10:15
bis(2-chloroethyl)ether	ND	390		2.2	µg/Kg-dry	1	01/25/06 10:15
bis(2-chloroisopropyl)ether	ND	390		2.2	µg/Kg-dry	1	01/25/06 10:15
bis(2-Ethylhexyl)phthalate	92 J	390		13	µg/Kg-dry	1	01/25/06 10:15
Butyl benzyl phthalate	ND	390		2.5	µg/Kg-dry	1	01/25/06 10:15
Chrysene	2400	390		1.8	µg/Kg-dry	1	01/25/06 10:15
Di-n-butyl phthalate	59 J	390		3.2	µg/Kg-dry	1	01/25/06 10:15
Di-n-octyl phthalate	ND	390		1.8	µg/Kg-dry	1	01/25/06 10:15
Dibenz[a,h]anthracene	330 J	390		1.6	µg/Kg-dry	1	01/25/06 10:15
Dibenzofuran	300 J	390		1.7	µg/Kg-dry	1	01/25/06 10:15
Diethyl phthalate	ND	390		2.8	µg/Kg-dry	1	01/25/06 10:15
Dimethyl phthalate	ND	390		2.0	µg/Kg-dry	1	01/25/06 10:15
Fluoranthene	4400	390		1.8	µg/Kg-dry	1	01/25/06 10:15
Fluorene	440	390		1.9	µg/Kg-dry	1	01/25/06 10:15
Hexachlorobenzene	ND	390		3.1	µg/Kg-dry	1	01/25/06 10:15
Hexachlorobutadiene	ND	390		4.1	µg/Kg-dry	1	01/25/06 10:15
Hexachlorocyclopentadiene	ND	390		15	µg/Kg-dry	1	01/25/06 10:15
Hexachloroethane	ND	390		4.2	µg/Kg-dry	1	01/25/06 10:15
Indeno[1,2,3-cd]pyrene	470	390		1.6	µg/Kg-dry	1	01/25/06 10:15
Isophorone	ND	390		1.9	µg/Kg-dry	1	01/25/06 10:15
N-Nitroso-di-n-propylamine	ND	390		3.3	µg/Kg-dry	1	01/25/06 10:15
N-Nitrosodiphenylamine	ND	390		1.8	µg/Kg-dry	1	01/25/06 10:15
Naphthalene	310 J	390		1.2	µg/Kg-dry	1	01/25/06 10:15
Nitrobenzene	ND	390		2.3	µg/Kg-dry	1	01/25/06 10:15
Pentachlorophenol	ND	2000		32	µg/Kg-dry	1	01/25/06 10:15
Phenanthrene	2900	390		1.4	µg/Kg-dry	1	01/25/06 10:15
Phenol	ND	390		1.6	µg/Kg-dry	1	01/25/06 10:15
Pyrene	5200	390		1.9	µg/Kg-dry	1	01/25/06 10:15
Surr: 2,4,6-Tribromophenol	83.9	20-143		0	%REC	1	01/25/06 10:15
Surr: 2-Fluorobiphenyl	74.0	46-130		0	%REC	1	01/25/06 10:15
Surr: 2-Fluorophenol	58.5	22-130		0	%REC	1	01/25/06 10:15
Surr: Nitrobenzene-d5	61.0	39-130		0	%REC	1	01/25/06 10:15

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander

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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 14.6

Revision: 01/31/06 10:15:49 A

TestCode: 8270S TAGML

Lab ID: 0601060-004B

Client Sample ID: BH-33-S

Collection Date: 01/12/06 10:45

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4377

FileID: 1-SAMP-N3869.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	60.1		33-130	0	%REC	1	01/25/06 10:15
Surr: Terphenyl-d14	93.8		36-146	0	%REC	1	01/25/06 10:15

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded.
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 14.6

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601060-004B

Client Sample ID: BH-33-S

Collection Date: 01/12/06 10:45

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3958.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
1,2,4-Trichlorobenzene	ND		390	3.1	µg/Kg-dry	1	01/31/06 1:33
1,2-Dichlorobenzene	ND		390	2.7	µg/Kg-dry	1	01/31/06 1:33
1,3-Dichlorobenzene	ND		390	1.8	µg/Kg-dry	1	01/31/06 1:33
1,4-Dichlorobenzene	ND		390	2.2	µg/Kg-dry	1	01/31/06 1:33
2,4,5-Trichlorophenol	ND		2000	38	µg/Kg-dry	1	01/31/06 1:33
2,4,6-Trichlorophenol	ND		390	3.6	µg/Kg-dry	1	01/31/06 1:33
2,4-Dichlorophenol	ND		390	3.6	µg/Kg-dry	1	01/31/06 1:33
2,4-Dimethylphenol	ND		390	3.3	µg/Kg-dry	1	01/31/06 1:33
2,4-Dinitrophenol	ND		2000	71	µg/Kg-dry	1	01/31/06 1:33
2,4-Dinitrotoluene	ND		390	3.2	µg/Kg-dry	1	01/31/06 1:33
2,6-Dinitrotoluene	ND		390	3.7	µg/Kg-dry	1	01/31/06 1:33
2-Chloronaphthalene	ND		390	1.8	µg/Kg-dry	1	01/31/06 1:33
2-Chlorophenol	ND		390	2.5	µg/Kg-dry	1	01/31/06 1:33
2-Methylnaphthalene	180 J		390	1.9	µg/Kg-dry	1	01/31/06 1:33
2-Methylphenol	ND		390	2.4	µg/Kg-dry	1	01/31/06 1:33
2-Nitroaniline	ND		2000	4.1	µg/Kg-dry	1	01/31/06 1:33
2-Nitrophenol	ND		390	4.4	µg/Kg-dry	1	01/31/06 1:33
3,3'-Dichlorobenzidine	ND		770	9.5	µg/Kg-dry	1	01/31/06 1:33
3-Nitroaniline	ND		2000	13	µg/Kg-dry	1	01/31/06 1:33
4,6-Dinitro-2-methylphenol	ND		2000	32	µg/Kg-dry	1	01/31/06 1:33
4-Bromophenyl phenyl ether	ND		390	2.7	µg/Kg-dry	1	01/31/06 1:33
4-Chloro-3-methylphenol	ND		390	3.1	µg/Kg-dry	1	01/31/06 1:33
4-Chloroaniline	ND		390	4.7	µg/Kg-dry	1	01/31/06 1:33
4-Chlorophenyl phenyl ether	ND		390	3.0	µg/Kg-dry	1	01/31/06 1:33
4-Methylphenol	ND		390	2.2	µg/Kg-dry	1	01/31/06 1:33
4-Nitroaniline	ND		2000	6.5	µg/Kg-dry	1	01/31/06 1:33
4-Nitrophenol	ND		2000	15	µg/Kg-dry	1	01/31/06 1:33
Acenaphthene	400		390	1.4	µg/Kg-dry	1	01/31/06 1:33
Acenaphthylene	150 J		390	1.7	µg/Kg-dry	1	01/31/06 1:33
Aniline	ND		390	4.8	µg/Kg-dry	1	01/31/06 1:33
Anthracene	1100		390	1.6	µg/Kg-dry	1	01/31/06 1:33
Benzo[a]anthracene	2700		390	1.7	µg/Kg-dry	1	01/31/06 1:33
Benzo[a]pyrene	2300		390	1.9	µg/Kg-dry	1	01/31/06 1:33
Benzo[b]fluoranthene	3200		390	2.8	µg/Kg-dry	1	01/31/06 1:33
Benzo[g,h,i]perylene	790		390	2.0	µg/Kg-dry	1	01/31/06 1:33

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prin./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

ColumnID: ZB-5

Revision: 01/31/06 10:37:14 A

Sample Size: 30 g

%Moisture: 14.6

TestCode: 8270S TAGML

Lab ID: 0601060-004B

Client Sample ID: BH-33-S

Collection Date: 01/12/06 10:45

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3958.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C	(SW3550B)		
Benzo[k]fluoranthene	1200		390	2.5	µg/Kg-dry	1	01/31/06 1:33
Benzoic acid	ND		2000	120	µg/Kg-dry	1	01/31/06 1:33
Benzyl alcohol	ND		390	4.3	µg/Kg-dry	1	01/31/06 1:33
bis(2-Chloroethoxy)methane	ND		390	1.5	µg/Kg-dry	1	01/31/06 1:33
bis(2-chloroethyl)ether	ND		390	2.2	µg/Kg-dry	1	01/31/06 1:33
bis(2-chloroisopropyl)ether	ND		390	2.2	µg/Kg-dry	1	01/31/06 1:33
bis(2-Ethylhexyl)phthalate	76 J		390	13	µg/Kg-dry	1	01/31/06 1:33
Butyl benzyl phthalate	ND		390	2.5	µg/Kg-dry	1	01/31/06 1:33
Chrysene	2200		390	1.8	µg/Kg-dry	1	01/31/06 1:33
Di-n-butyl phthalate	57 J		390	3.2	µg/Kg-dry	1	01/31/06 1:33
Di-n-octyl phthalate	ND		390	1.8	µg/Kg-dry	1	01/31/06 1:33
Dibenz[a,h]anthracene	290 J		390	1.6	µg/Kg-dry	1	01/31/06 1:33
Dibenzofuran	270 J		390	1.7	µg/Kg-dry	1	01/31/06 1:33
Diethyl phthalate	ND		390	2.8	µg/Kg-dry	1	01/31/06 1:33
Dimethyl phthalate	ND		390	2.0	µg/Kg-dry	1	01/31/06 1:33
Fluoranthene	5400		390	1.8	µg/Kg-dry	1	01/31/06 1:33
Fluorene	440		390	1.9	µg/Kg-dry	1	01/31/06 1:33
Hexachlorobenzene	ND		390	3.1	µg/Kg-dry	1	01/31/06 1:33
Hexachlorobutadiene	ND		390	4.1	µg/Kg-dry	1	01/31/06 1:33
Hexachlorocyclopentadiene	ND		390	15	µg/Kg-dry	1	01/31/06 1:33
Hexachloroethane	ND		390	4.2	µg/Kg-dry	1	01/31/06 1:33
Indeno[1,2,3-cd]pyrene	440		390	1.6	µg/Kg-dry	1	01/31/06 1:33
Isophorone	ND		390	1.9	µg/Kg-dry	1	01/31/06 1:33
N-Nitroso-di-n-propylamine	ND		390	3.3	µg/Kg-dry	1	01/31/06 1:33
N-Nitrosodiphenylamine	ND		390	1.8	µg/Kg-dry	1	01/31/06 1:33
Naphthalene	280 J		390	1.2	µg/Kg-dry	1	01/31/06 1:33
Nitrobenzene	ND		390	2.3	µg/Kg-dry	1	01/31/06 1:33
Pentachlorophenol	ND		2000	32	µg/Kg-dry	1	01/31/06 1:33
Phenanthrene	3300		390	1.4	µg/Kg-dry	1	01/31/06 1:33
Phenol	ND		390	1.6	µg/Kg-dry	1	01/31/06 1:33
Pyrene	5100		390	1.9	µg/Kg-dry	1	01/31/06 1:33
Surr: 2,4,6-Tribromophenol	90.3		20-143	0	%REC	1	01/31/06 1:33
Surr: 2-Fluorobiphenyl	83.3		46-130	0	%REC	1	01/31/06 1:33
Surr: 2-Fluorophenol	55.1		22-130	0	%REC	1	01/31/06 1:33
Surr: Nitrobenzene-d5	63.1		39-130	0	%REC	1	01/31/06 1:33

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: MS05 26

Sample Size: 30 g

ColumnID: ZB-5

%Moisture: 14.6

Revision: 01/31/06 10:37:14 A

TestCode: 8270S TAGML

Lab ID: 0601060-004B

Client Sample ID: BH-33-S

Collection Date: 01/12/06 10:45

Date Received: 01/12/06 15:35

PrepDate: 01/17/06 12:00 A

BatchNo: 2379/R4381

FileID: 1-RA-N3958.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8270C		(SW3550B)	
Surr: Phenol-d5	55.7	33-130	0	%REC	1		01/31/06 1:33
Surr: Terphenyl-d14	82.8	36-146	0	%REC	1		01/31/06 1:33

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/31/06 11:40

Project Supervisor: Thomas A. Alexander

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0601050

Project: Geneva Foundry

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0601050-001BMS SampType: MS TestCode: 6010S Units: mg/Kg-dry Prep Date: 1/19/2006 RunNo: 4293
 Client ID: BH-37 Batch ID: 2421 Method: SW6010B (SW3050B) Analysis Date: 1/23/2006 SeqNo: 125625
 Instrument: ColumnID:

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4X 3186	60	238.2	2176	424	60	140				S
Antimony	33.08	36	47.64	1.778	65.7	60	120				J
Arsenic	58.48	3.0	47.64	6.117	110	75	120				
Barium	85.39	60	47.64	31.36	113	60	140				
Beryllium	47.66	6.0	47.64	0.1763	99.7	80	120				
Cadmium	48.04	6.0	47.64	1.128	98.5	75	120				
Calcium	4X 18080	600	2382	22860	0	60	140				S
Chromium	268.4	6.0	47.64	94.83	364	69	124				S
Cobalt	58.94	30	47.64	6.335	110	75	120				
Copper	261.7	6.0	47.64	94.94	350	78	123				S
Iron	4X 116800	30	238.2	63110	22500	60	140				S
Lead	4X 308.1	3.0	47.64	198.7	230	60	140				S
Magnesium	5572	600	2382	4725	35.6	60	140				S
Manganese	869.2	30	47.64	549.1	672	60	140				S
Nickel	201.2	30	47.64	78.09	258	73	120				S
Potassium	2723	3000	2382	426.7	96.4	80	127				J
Selenium	48.05	3.0	47.64	0	101	73	120				
Silver	13.46	6.0	11.91	0	113	80	120				
Sodium	2360	600	2382	51.03	96.9	74	120				
Thallium	49.25	6.0	47.64	2.197	98.8	77	120				
Vanadium	61.02	30	47.64	7.567	112	80	120				
Zinc	208.2	6.0	47.64	137.7	148	60	135				S

Qualifiers: E Value exceeds the instrument calibration range H Holding times for preparation or analysis exceeded J Analyte detected below the PQL
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits
 e: 24-Jan-06 Page 3 of 10

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0601050

Project: Geneva Foundry

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0601050-001BMSD SampType: MSD TestCode: 6010S Units: mg/Kg-dry Prep Date: 1/19/2006 RunNo: 4293
 Client ID: BH-37 Batch ID: 2421 Method: SW6010B (SW3050B) Analysis Date: 1/23/2006 SeqNo: 125626
 Instrument: ColumnID:

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4X 3222	60	238.2	2176	439	60	140	3186	1.14	20	S
Antimony	31.98	36	47.64	1.778	63.4	60	120	33.08	3.39	20	J
Arsenic	57.31	3.0	47.64	6.117	107	75	120	58.48	2.03	20	
Barium	86.44	60	47.64	31.36	116	60	140	85.39	1.22	20	
Beryllium	47.80	6.0	47.64	0.1763	100	80	120	47.66	0.29	20	
Cadmium	48.03	6.0	47.64	1.128	98.5	75	120	48.04	0.01	20	
Calcium	4X 18010	600	2382	22860	0	60	140	18080	0.40	20	S
Chromium	262.1	6.0	47.64	94.83	351	69	124	268.4	2.40	20	S
Cobalt	58.71	30	47.64	6.335	110	75	120	58.94	0.38	20	
Copper	254.1	6.0	47.64	94.94	334	78	123	261.7	2.94	20	S
Iron	4X 116100	30	238.2	63110	22300	60	140	116800	0.60	27	S
Lead	4X 291.5	3.0	47.64	198.7	195	60	140	308.1	5.54	20	S
Magnesium	5882	600	2382	4725	48.6	60	140	5572	5.41	20	S
Manganese	882.1	30	47.64	549.1	699	60	140	869.2	1.48	20	S
Nickel	209.0	30	47.64	78.09	275	73	120	201.2	3.79	20	S
Potassium	2714	3000	2382	426.7	96.0	80	127	2723	0.35	20	J
Selenium	48.80	3.0	47.64	0	102	73	120	48.05	1.55	20	
Silver	12.72	6.0	11.91	0	107	80	120	13.46	5.66	20	
Sodium	2363	600	2382	51.03	97.1	74	120	2360	0.15	20	
Thallium	47.65	6.0	47.64	2.197	95.4	77	120	49.25	3.30	20	
Vanadium	61.40	30	47.64	7.567	113	80	120	61.02	0.62	20	
Zinc	205.1	6.0	47.64	137.7	141	60	135	208.2	1.48	20	S

Qualifiers: E Value exceeds the instrument calibration range H Holding times for preparation or analysis exceeded J Analyte detected below the PQL
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits

ie:

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0601050

Project: Geneva Foundry

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0601050-001B SampType: PDS TestCode: 6010S Units: mg/Kg-dry Prep Date: 1/19/2006 RunNo: 4293
 Client ID: BH-37 Batch ID: 2421 Method: SW6010B (SW3050B) Analysis Date: 1/23/2006 SeqNo: 125627
 Instrument: ColumnID:

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	3212	50	1191	2176	87.0	75	125				
Antimony	227.3	30	238.2	1.778	94.7	75	125				
Arsenic	236.2	2.5	238.2	6.117	96.6	75	125				
Barium	260.2	50	238.2	31.36	96.1	75	125				
Beryllium	233.4	5.0	238.2	0.1763	97.9	75	125				
Cadmium	227.1	5.0	238.2	1.128	94.9	75	125				
Calcium	30770	500	11910	22860	66.4	75	125				
Chromium	327.2	5.0	238.2	94.83	97.5	75	125				
Cobalt	235.1	25	238.2	6.335	96.1	75	125				
Copper	330.1	5.0	238.2	94.94	98.7	75	125				
Iron	60700	25	1191	63110	0	75	125				S
Lead	415.9	2.5	238.2	198.7	91.2	75	125				
Magnesium	15780	500	11910	4725	92.8	75	125				
Manganese	743.4	25	238.2	549.1	81.6	75	125				
Nickel	308.9	25	238.2	78.09	96.9	75	125				
Potassium	12170	2500	11910	426.7	98.6	75	125				
Selenium	230.3	2.5	238.2	0	96.7	75	125				
Silver	58.75	5.0	59.55	0	98.7	75	125				
Sodium	12210	500	11910	51.03	102	75	125				
Thallium	227.3	5.0	238.2	2.197	94.5	75	125				
Vanadium	252.8	25	238.2	7.567	103	75	125				
Zinc	352.6	5.0	238.2	137.7	90.2	75	125				

Qualifiers:	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)		R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits

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24-Jan-06

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0601049

Project: Geneva Foundry

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID:	0601049-002BMS	Sample Type:	MS	Test Code:	6010S	Units:	mg/Kg-dry	Prep Date:	1/19/2006	Run No:	4293
Client ID:	BH-20-D	Batch ID:	2422	Method:	SW6010B	(SW3050B)		Analysis Date:	1/23/2006	Seq No:	125577
Instrument:		Column ID:									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	8095	12	230.4	8221	0	60	140				S
Antimony	29.14	6.9	46.08	0.9147	61.3	60	120				
Arsenic	50.12	0.58	46.08	6.388	94.9	75	120				
Barium	101.8	12	46.08	63.48	83.2	60	140				
Beryllium	45.67	1.2	46.08	0.6013	97.8	80	120				
Cadmium	43.23	1.2	46.08	0.02995	93.8	75	120				
Calcium	41910	120	2304	40050	81.0	60	140				
Chromium	57.63	1.2	46.08	12.2	98.6	69	124				
Cobalt	48.73	5.8	46.08	5.04	94.8	75	120				
Copper	63.98	1.2	46.08	18.18	99.4	78	123				
Iron	32710	5.8	230.4	41600	0	60	140				S
Lead	71.69	0.58	46.08	27.81	95.2	60	140				
Magnesium	8753	120	2304	8220	23.1	60	140				S
Manganese	1024	5.8	46.08	1227	0	60	140				S
Nickel	56.74	5.8	46.08	12.3	96.4	73	120				S
Potassium	3859	580	2304	1254	113	80	127				
Selenium	43.19	0.58	46.08	1.523	90.4	73	120				
Silver	11.88	1.2	11.52	0.1129	102	80	120				
Sodium	2782	120	2304	390.1	104	74	120				
Thallium	42.97	1.2	46.08	1.452	90.1	77	120				
Vanadium	67.97	5.8	46.08	22.99	97.6	80	120				
Zinc	80.75	1.2	46.08	35.2	98.8	60	135				

Qualifiers:	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

CLIENT: O'Brien & Gere Engineers, Inc.

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0601049

Project: Geneva Foundry

Sample ID:	0601049-002BMSD	SampType:	MSD	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	1/19/2006	RunNo:	4293
Client ID:	BH-20-D	Batch ID:	2422	Method:	SW6010B	(SW3050B)		Analysis Date:	1/23/2006	SeqNo:	125578
Instrument:		ColumnID:									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	44X 8305	12	230.4	8221	36.7	60	140	8095	2.56	20	S
Antimony	28.91	6.9	46.08	0.9147	60.8	60	120	29.14	0.80	20	
Arsenic	50.01	0.58	46.08	6.388	94.7	75	120	50.12	0.22	20	
Barium	103.6	12	46.08	63.48	87.0	60	140	101.8	1.69	20	
Beryllium	45.63	1.2	46.08	0.6013	97.7	80	120	45.67	0.08	20	
Cadmium	43.23	1.2	46.08	0.02995	93.8	75	120	43.23	0.01	20	
Calcium	41840	120	2304	40050	77.8	60	140	41910	0.18	20	
Chromium	57.84	1.2	46.08	12.2	99.1	69	124	57.63	0.38	20	
Cobalt	48.78	5.8	46.08	5.04	94.9	75	120	48.73	0.12	20	
Copper	64.04	1.2	46.08	18.18	99.5	78	123	63.98	0.10	20	
Iron	44X 32070	5.8	230.4	41600	0	60	140	32710	2.00	27	S
Lead	72.20	0.58	46.08	27.81	96.3	60	140	71.69	0.70	20	
Magnesium	8776	120	2304	8220	24.1	60	140	8753	0.26	20	S
Manganese	44X 1076	5.8	46.08	1227	0	60	140	1024	4.99	20	S
Nickel	56.81	5.8	46.08	12.3	96.6	73	120	56.74	0.13	20	
Potassium	3868	580	2304	1254	113	80	127	3859	0.22	20	
Selenium	43.52	0.58	46.08	1.523	91.1	73	120	43.19	0.76	20	
Silver	11.89	1.2	11.52	0.1129	102	80	120	11.88	0.05	20	
Sodium	2794	120	2304	390.1	104	74	120	2782	0.45	20	
Thallium	43.11	1.2	46.08	1.452	90.4	77	120	42.97	0.33	20	
Vanadium	68.44	5.8	46.08	22.99	98.6	80	120	67.97	0.70	20	
Zinc	80.79	1.2	46.08	35.2	98.9	60	135	80.75	0.05	20	

Qualifiers: E Value exceeds the instrument calibration range H Holding times for preparation or analysis exceeded J Analytic detected below the PQL
 ND Not Detected at the Practical Qualification Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits

le:

24-Jan-06

Life Science Laboratories, Inc.
 5000 Brittonfield Parkway, Suite 200
 East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
 Work Order: 0601049
 Project: Geneva Foundry

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0601049-002B SampType: PDS TestCode: 6010S Units: mg/Kg-dry Prep Date: 11/9/2006 RunNo: 4293
 Client ID: BH-20-D Batch ID: 2422 Method: SW6010B (SW3050B) Analysis Date: 1/23/2006 SeqNo: 125582
 Instrument: ColumnID:

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	7990	10	230.4	8221	0	75	125				S
Antimony	44.38	6.0	46.08	0.9147	94.3	75	125				
Arsenic	49.57	0.50	46.08	6.388	93.7	75	125				
Barium	103.7	10	46.08	63.48	87.3	75	125				
Beryllium	43.95	1.0	46.08	0.6013	94.1	75	125				
Cadmium	41.74	1.0	46.08	0.02995	90.5	75	125				
Calcium	40010	100	2304	40050	0	75	125				S
Chromium	55.79	1.0	46.08	12.2	94.6	75	125				
Cobalt	47.32	5.0	46.08	5.04	91.8	75	125				
Copper	63.04	1.0	46.08	18.18	97.3	75	125				
Iron	39430	5.0	230.4	41600	0	75	125				S
Lead	69.37	0.50	46.08	27.81	90.2	75	125				
Magnesium	9916	100	2304	8220	73.6	75	125				S
Manganese	1199	5.0	46.08	1227	0	75	125				S
Nickel	55.10	5.0	46.08	12.3	92.9	75	125				ES
Potassium	3585	500	2304	1254	101	75	125				
Selenium	43.57	0.50	46.08	1.523	91.2	75	125				
Silver	11.30	1.0	11.52	0.1129	97.1	75	125				
Sodium	2722	100	2304	390.1	101	75	125				
Thallium	43.55	1.0	46.08	1.452	91.4	75	125				
Vanadium	67.79	5.0	46.08	22.99	97.2	75	125				
Zinc	74.84	1.0	46.08	35.2	86.0	75	125				

Qualifiers: E Value exceeds the instrument calibration range H Holding times for preparation or analysis exceeded J Analyte detected below the PQL
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits

e: 24-Jan-06

11/13/06

QC Batch #:

234.

Date Digested:

266

1/19/08

QC Batch #:

2421

Date Digested:

267

2422

QC Batch #:

Date Digested:

11/19/06

268



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 12.7

TestCode: 6010S

Lab ID: 0601049-001B

Client Sample ID: BH-20-S

Collection Date: 01/11/06 7:55

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10947

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	4900		11	1.7	mg/Kg-dry	1	01/23/06 15:01
Antimony	0.74	J	6.9	0.22	mg/Kg-dry	1	01/23/06 15:01
Arsenic	9.3		0.57	0.25	mg/Kg-dry	1	01/23/06 15:01
Barium	63		11	0.039	mg/Kg-dry	1	01/23/06 15:01
Beryllium	0.39	J	1.1	0.0055	mg/Kg-dry	1	01/23/06 15:01
Cadmium	0.055	J	1.1	0.027	mg/Kg-dry	1	01/23/06 15:01
Calcium	97000		110	1.6	mg/Kg-dry	1	01/23/06 15:01
Chromium	10		1.1	0.14	mg/Kg-dry	1	01/23/06 15:01
Cobalt	5.2	J	5.7	0.12	mg/Kg-dry	1	01/23/06 15:01
Copper	25		1.1	0.19	mg/Kg-dry	1	01/23/06 15:01
Iron	39000		5.7	0.45	mg/Kg-dry	1	01/23/06 15:01
Lead	69		0.57	0.068	mg/Kg-dry	1	01/23/06 15:01
Magnesium	17000		110	0.80	mg/Kg-dry	1	01/23/06 15:01
Manganese	500		5.7	0.038	mg/Kg-dry	1	01/23/06 15:01
Nickel	15		5.7	0.15	mg/Kg-dry	1	01/23/06 15:01
Potassium	1300		570	9.2	mg/Kg-dry	1	01/23/06 15:01
Selenium	1.1		0.57	0.28	mg/Kg-dry	1	01/23/06 15:01
Silver	ND		1.1	0.092	mg/Kg-dry	1	01/23/06 15:01
Sodium	480		110	0.72	mg/Kg-dry	1	01/23/06 15:01
Thallium	0.51	J	1.1	0.24	mg/Kg-dry	1	01/23/06 15:01
Vanadium	18		5.7	0.092	mg/Kg-dry	1	01/23/06 15:01
Zinc	31		1.1	0.25	mg/Kg-dry	1	01/23/06 15:01

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:50

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 13.2

TestCode: 6010S

Lab ID: 0601049-002B

Client Sample ID: BH-20-D

Collection Date: 01/11/06 8:05

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10948

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	8200		12	1.7	mg/Kg-dry	1	01/23/06 15:05
Antimony	0.91	J	6.9	0.22	mg/Kg-dry	1	01/23/06 15:05
Arsenic	6.4		0.58	0.25	mg/Kg-dry	1	01/23/06 15:05
Barium	63		12	0.039	mg/Kg-dry	1	01/23/06 15:05
Beryllium	0.60	J	1.2	0.0055	mg/Kg-dry	1	01/23/06 15:05
Cadmium	0.030	J	1.2	0.027	mg/Kg-dry	1	01/23/06 15:05
Calcium	40000		120	1.6	mg/Kg-dry	1	01/23/06 15:05
Chromium	12		1.2	0.14	mg/Kg-dry	1	01/23/06 15:05
Cobalt	5.0	J	5.8	0.12	mg/Kg-dry	1	01/23/06 15:05
Copper	18		1.2	0.19	mg/Kg-dry	1	01/23/06 15:05
Iron	42000		5.8	0.45	mg/Kg-dry	1	01/23/06 15:05
Lead	28		0.58	0.068	mg/Kg-dry	1	01/23/06 15:05
Magnesium	8200		120	0.80	mg/Kg-dry	1	01/23/06 15:05
Manganese	1200	E	5.8	0.039	mg/Kg-dry	1	01/23/06 15:05
Nickel	12		5.8	0.15	mg/Kg-dry	1	01/23/06 15:05
Potassium	1300		580	9.3	mg/Kg-dry	1	01/23/06 15:05
Silver	0.11	J	1.2	0.093	mg/Kg-dry	1	01/23/06 15:05
Sodium	390		120	0.72	mg/Kg-dry	1	01/23/06 15:05
Vanadium	23		5.8	0.092	mg/Kg-dry	1	01/23/06 15:05
Zinc	35		1.2	0.25	mg/Kg-dry	1	01/23/06 15:05

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:50

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 13.2

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601049-002B

Client Sample ID: BH-20-D

Collection Date: 01/11/06 8:05

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: I-DL-11003

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Manganese	1200		12	0.077	mg/Kg-dry 2		01/23/06 18:43
Selenium	0.77 J		1.2	0.56	mg/Kg-dry 2		01/23/06 18:43
Thallium	1.4 J		2.3	0.49	mg/Kg-dry 2		01/23/06 18:43

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:50

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 13.5

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601049-003B

Client Sample ID: BH-21-S

Collection Date: 01/10/06 15:15

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10958

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	6400	12		1.7	mg/Kg-dry	1	01/23/06 15:38
Antimony	ND	6.9		0.22	mg/Kg-dry	1	01/23/06 15:38
Arsenic	2.8	0.58		0.25	mg/Kg-dry	1	01/23/06 15:38
Barium	220	12		0.039	mg/Kg-dry	1	01/23/06 15:38
Beryllium	0.32 J	1.2		0.0055	mg/Kg-dry	1	01/23/06 15:38
Cadmium	1.0 J	1.2		0.027	mg/Kg-dry	1	01/23/06 15:38
Calcium	200000	120		1.6	mg/Kg-dry	1	01/23/06 15:38
Chromium	8.6	1.2		0.14	mg/Kg-dry	1	01/23/06 15:38
Cobalt	3.3 J	5.8		0.12	mg/Kg-dry	1	01/23/06 15:38
Copper	6.0	1.2		0.19	mg/Kg-dry	1	01/23/06 15:38
Iron	8200	5.8		0.46	mg/Kg-dry	1	01/23/06 15:38
Lead	21	0.58		0.069	mg/Kg-dry	1	01/23/06 15:38
Magnesium	61000	120		0.80	mg/Kg-dry	1	01/23/06 15:38
Manganese	300	5.8		0.039	mg/Kg-dry	1	01/23/06 15:38
Nickel	12	5.8		0.15	mg/Kg-dry	1	01/23/08 15:38
Potassium	2200	580		9.3	mg/Kg-dry	1	01/23/06 15:38
Selenium	ND	0.58		0.28	mg/Kg-dry	1	01/23/06 15:38
Silver	ND	1.2		0.093	mg/Kg-dry	1	01/23/06 15:38
Sodium	250	120		0.73	mg/Kg-dry	1	01/23/06 15:38
Thallium	0.68 J	1.2		0.25	mg/Kg-dry	1	01/23/06 15:38
Vanadium	10	5.8		0.092	mg/Kg-dry	1	01/23/06 15:38
Zinc	91	1.2		0.25	mg/Kg-dry	1	01/23/06 15:38

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:50

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 15.0

TestCode: 6010S

Lab ID: 0601049-004B

Client Sample ID: BH-21-D

Collection Date: 01/10/06 15:25

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10959

Analyte	Result	Qual	PQL	MDL	Units · DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)	
Aluminum	4900		12	1.8	mg/Kg-dry 1	01/23/06 15:42
Antimony	0.49 J		7.1	0.22	mg/Kg-dry 1	01/23/06 15:42
Arsenic	7.4		0.59	0.26	mg/Kg-dry 1	01/23/06 15:42
Barium	110		12	0.040	mg/Kg-dry 1	01/23/06 15:42
Beryllium	0.32 J		1.2	0.0056	mg/Kg-dry 1	01/23/06 15:42
Cadmium	ND		1.2	0.028	mg/Kg-dry 1	01/23/06 15:42
Calcium	130000		120	1.6	mg/Kg-dry 1	01/23/06 15:42
Chromium	9.4		1.2	0.15	mg/Kg-dry 1	01/23/06 15:42
Cobalt	3.4 J		5.9	0.13	mg/Kg-dry 1	01/23/06 15:42
Copper	12		1.2	0.19	mg/Kg-dry 1	01/23/06 15:42
Iron	18000		5.9	0.46	mg/Kg-dry 1	01/23/06 15:42
Lead	15		0.59	0.070	mg/Kg-dry 1	01/23/06 15:42
Magnesium	19000		120	0.82	mg/Kg-dry 1	01/23/06 15:42
Manganese	280		5.9	0.039	mg/Kg-dry 1	01/23/06 15:42
Nickel	10		5.9	0.15	mg/Kg-dry 1	01/23/06 15:42
Potassium	1600		590	9.5	mg/Kg-dry 1	01/23/06 15:42
Selenium	0.41 J		0.59	0.28	mg/Kg-dry 1	01/23/06 15:42
Silver	ND		1.2	0.094	mg/Kg-dry 1	01/23/06 15:42
Sodium	170		120	0.74	mg/Kg-dry 1	01/23/06 15:42
Thallium	0.31 J		1.2	0.25	mg/Kg-dry 1	01/23/06 15:42
Vanadium	15		5.9	0.094	mg/Kg-dry 1	01/23/06 15:42
Zinc	39		1.2	0.26	mg/Kg-dry 1	01/23/06 15:42

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/26/06 15:50

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 14.8

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601049-005B

Client Sample ID: BH-22-S

Collection Date: 01/10/06 13:00

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10960

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	5100	12		1.8	mg/Kg-dry	1	01/23/06 15:50
Antimony	1.0 J	7.0		0.22	mg/Kg-dry	1	01/23/06 15:50
Arsenic	9.6	0.59		0.26	mg/Kg-dry	1	01/23/06 15:50
Barium	85	12		0.039	mg/Kg-dry	1	01/23/06 15:50
Beryllium	0.35 J	1.2		0.0056	mg/Kg-dry	1	01/23/06 15:50
Cadmium	1.3	1.2		0.027	mg/Kg-dry	1	01/23/06 15:50
Calcium	63000	120		1.6	mg/Kg-dry	1	01/23/06 15:50
Chromium	20	1.2		0.15	mg/Kg-dry	1	01/23/06 15:50
Cobalt	4.6 J	5.9		0.13	mg/Kg-dry	1	01/23/06 15:50
Copper	53	1.2		0.19	mg/Kg-dry	1	01/23/06 15:50
Iron	29000	5.9		0.46	mg/Kg-dry	1	01/23/06 15:50
Lead	320	0.59		0.070	mg/Kg-dry	1	01/23/06 15:50
Magnesium	19000	120		0.82	mg/Kg-dry	1	01/23/06 15:50
Manganese	560	5.9		0.039	mg/Kg-dry	1	01/23/06 15:50
Nickel	19	5.9		0.15	mg/Kg-dry	1	01/23/06 15:50
Potassium	1100	590		9.4	mg/Kg-dry	1	01/23/06 15:50
Selenium	1.2	0.59		0.28	mg/Kg-dry	1	01/23/06 15:50
Silver	0.43 J	1.2		0.094	mg/Kg-dry	1	01/23/06 15:50
Sodium	77 J	120		0.74	mg/Kg-dry	1	01/23/06 15:50
Thallium	ND	1.2		0.25	mg/Kg-dry	1	01/23/06 15:50
Vanadium	14	5.9		0.094	mg/Kg-dry	1	01/23/06 15:50
Zinc	290	1.2		0.26	mg/Kg-dry	1	01/23/06 15:50

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

.S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:50

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 14.3

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601049-006B

Client Sample ID: BH-22-D

Collection Date: 01/10/06 13:20

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10961

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3050B)	
Aluminum	5100		12	1.8	mg/Kg-dry	1	01/23/06 15:53
Antimony	0.38	J	7.0	0.22	mg/Kg-dry	1	01/23/06 15:53
Arsenic	8.9		0.58	0.26	mg/Kg-dry	1	01/23/06 15:53
Barium	160		12	0.039	mg/Kg-dry	1	01/23/06 15:53
Beryllium	0.44	J	1.2	0.0056	mg/Kg-dry	1	01/23/06 15:53
Cadmium	0.24	J	1.2	0.027	mg/Kg-dry	1	01/23/06 15:53
Calcium	38000		120	1.6	mg/Kg-dry	1	01/23/06 15:53
Chromium	11		1.2	0.15	mg/Kg-dry	1	01/23/06 15:53
Cobalt	5.1	J	5.8	0.13	mg/Kg-dry	1	01/23/06 15:53
Copper	25		1.2	0.19	mg/Kg-dry	1	01/23/06 15:53
Iron	14000		5.8	0.46	mg/Kg-dry	1	01/23/06 15:53
Lead	150		0.58	0.069	mg/Kg-dry	1	01/23/06 15:53
Magnesium	9200		120	0.81	mg/Kg-dry	1	01/23/06 15:53
Manganese	330		5.8	0.039	mg/Kg-dry	1	01/23/06 15:53
Nickel	13		5.8	0.15	mg/Kg-dry	1	01/23/06 15:53
Potassium	940		580	9.4	mg/Kg-dry	1	01/23/06 15:53
Selenium	0.68		0.58	0.28	mg/Kg-dry	1	01/23/06 15:53
Silver	0.54	J	1.2	0.094	mg/Kg-dry	1	01/23/06 15:53
Sodium	77	J	120	0.73	mg/Kg-dry	1	01/23/06 15:53
Thallium	ND		1.2	0.25	mg/Kg-dry	1	01/23/06 15:53
Vanadium	16		5.8	0.093	mg/Kg-dry	1	01/23/06 15:53
Zinc	100		1.2	0.26	mg/Kg-dry	1	01/23/06 15:53

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:50

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 6.2

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601049-007B

Client Sample ID: BH-23-S

Collection Date: 01/10/06 14:00

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10962

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	2400		11	1.6	mg/Kg-dry	1	01/23/06 15:57
Antimony	0.73 J		6.4	0.20	mg/Kg-dry	1	01/23/06 15:57
Arsenic	6.6		0.53	0.23	mg/Kg-dry	1	01/23/06 15:57
Barium	46		11	0.036	mg/Kg-dry	1	01/23/06 15:57
Beryllium	0.29 J		1.1	0.0051	mg/Kg-dry	1	01/23/06 15:57
Cadmium	0.34 J		1.1	0.025	mg/Kg-dry	1	01/23/06 15:57
Calcium	130000		110	1.4	mg/Kg-dry	1	01/23/06 15:57
Chromium	8.1		1.1	0.13	mg/Kg-dry	1	01/23/06 15:57
Cobalt	3.0 J		5.3	0.12	mg/Kg-dry	1	01/23/06 15:57
Copper	25		1.1	0.17	mg/Kg-dry	1	01/23/06 15:57
Iron	9700		5.3	0.42	mg/Kg-dry	1	01/23/06 15:57
Lead	160		0.53	0.063	mg/Kg-dry	1	01/23/06 15:57
Magnesium	6100		110	0.74	mg/Kg-dry	1	01/23/06 15:57
Manganese	310		5.3	0.036	mg/Kg-dry	1	01/23/06 15:57
Nickel	12		5.3	0.14	mg/Kg-dry	1	01/23/06 15:57
Potassium	920		530	8.6	mg/Kg-dry	1	01/23/06 15:57
Selenium	0.73		0.53	0.26	mg/Kg-dry	1	01/23/06 15:57
Silver	0.12 J		1.1	0.086	mg/Kg-dry	1	01/23/06 15:57
Sodium	96 J		110	0.67	mg/Kg-dry	1	01/23/06 15:57
Thallium	ND		1.1	0.23	mg/Kg-dry	1	01/23/06 15:57
Vanadium	14		5.3	0.085	mg/Kg-dry	1	01/23/06 15:57
Zinc	100		1.1	0.23	mg/Kg-dry	1	01/23/06 15:57

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/26/06 15:50

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 19.7

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601049-008B

Client Sample ID: BH-24-S

Collection Date: 01/11/06 9:40

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10963

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	9300		12	1.9	mg/Kg-dry	1	01/23/06 16:00
Antimony	0.74 J		7.5	0.24	mg/Kg-dry	1	01/23/06 16:00
Arsenic	10		0.62	0.27	mg/Kg-dry	1	01/23/06 16:00
Barium	140		12	0.042	mg/Kg-dry	1	01/23/06 16:00
Beryllium	0.69 J		1.2	0.0060	mg/Kg-dry	1	01/23/06 16:00
Cadmium	0.99 J		1.2	0.029	mg/Kg-dry	1	01/23/06 16:00
Calcium	12000		120	1.7	mg/Kg-dry	1	01/23/06 16:00
Chromium	18		1.2	0.16	mg/Kg-dry	1	01/23/06 16:00
Cobalt	6.9		6.2	0.13	mg/Kg-dry	1	01/23/06 16:00
Copper	38		1.2	0.20	mg/Kg-dry	1	01/23/06 16:00
Iron	22000		6.2	0.49	mg/Kg-dry	1	01/23/06 16:00
Lead	290		0.62	0.074	mg/Kg-dry	1	01/23/06 16:00
Magnesium	3100		120	0.87	mg/Kg-dry	1	01/23/06 16:00
Manganese	470		6.2	0.042	mg/Kg-dry	1	01/23/06 16:00
Nickel	17		6.2	0.16	mg/Kg-dry	1	01/23/06 16:00
Potassium	1700		620	10	mg/Kg-dry	1	01/23/06 16:00
Selenium	1.8		0.62	0.30	mg/Kg-dry	1	01/23/06 16:00
Silver	0.15 J		1.2	0.10	mg/Kg-dry	1	01/23/06 16:00
Sodium	190		120	0.78	mg/Kg-dry	1	01/23/06 16:00
Thallium	0.47 J		1.2	0.26	mg/Kg-dry	1	01/23/06 16:00
Vanadium	21		6.2	0.10	mg/Kg-dry	1	01/23/06 16:00
Zinc	190		1.2	0.27	mg/Kg-dry	1	01/23/06 16:00

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 28.5

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601049-009B

Client Sample ID: BH-24-D

Collection Date: 01/11/06 9:50

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10964

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	19000		14	2.1	mg/Kg-dry	1	01/23/06 16:03
Antimony	ND		8.4	0.26	mg/Kg-dry	1	01/23/06 16:03
Arsenic	5.5		0.70	0.31	mg/Kg-dry	1	01/23/06 16:03
Barium	210		14	0.047	mg/Kg-dry	1	01/23/06 16:03
Beryllium	1.3 J		1.4	0.0067	mg/Kg-dry	1	01/23/06 16:03
Cadmium	0.52 J		1.4	0.033	mg/Kg-dry	1	01/23/06 16:03
Calcium	5000		140	1.9	mg/Kg-dry	1	01/23/06 16:03
Chromium	24		1.4	0.17	mg/Kg-dry	1	01/23/06 16:03
Cobalt	12		7.0	0.15	mg/Kg-dry	1	01/23/06 16:03
Copper	24		1.4	0.23	mg/Kg-dry	1	01/23/06 16:03
Iron	24000		7.0	0.55	mg/Kg-dry	1	01/23/06 16:03
Lead	27		0.70	0.083	mg/Kg-dry	1	01/23/06 16:03
Magnesium	4100		140	0.97	mg/Kg-dry	1	01/23/06 16:03
Manganese	1400		7.0	0.047	mg/Kg-dry	1	01/23/06 16:03
Nickel	27		7.0	0.18	mg/Kg-dry	1	01/23/06 16:03
Potassium	5000		700	11	mg/Kg-dry	1	01/23/06 16:03
Selenium	0.96		0.70	0.34	mg/Kg-dry	1	01/23/06 16:03
Silver	ND		1.4	0.11	mg/Kg-dry	1	01/23/06 16:03
Sodium	100 J		140	0.88	mg/Kg-dry	1	01/23/06 16:03
Thallium	1.8		1.4	0.30	mg/Kg-dry	1	01/23/06 16:03
Vanadium	34		7.0	0.11	mg/Kg-dry	1	01/23/06 16:03
Zinc	73		1.4	0.31	mg/Kg-dry	1	01/23/06 16:03

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 19.1

TestCode: 6010S

Lab ID: 0601049-010B

Client Sample ID: BH-25-S

Collection Date: 01/11/06 12:10

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10965

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3050B)	
Aluminum	4800	12		1.9	mg/Kg-dry	1	01/23/06 16:07
Antimony	1.2 J	7.4		0.23	mg/Kg-dry	1	01/23/06 16:07
Arsenic	10	0.62		0.27	mg/Kg-dry	1	01/23/06 16:07
Barium	110	12		0.042	mg/Kg-dry	1	01/23/06 16:07
Beryllium	0.44 J	1.2		0.0059	mg/Kg-dry	1	01/23/06 16:07
Cadmium	1.4	1.2		0.029	mg/Kg-dry	1	01/23/06 16:07
Calcium	35000	120		1.7	mg/Kg-dry	1	01/23/06 16:07
Chromium	22	1.2		0.15	mg/Kg-dry	1	01/23/06 16:07
Cobalt	5.1 J	6.2		0.13	mg/Kg-dry	1	01/23/06 16:07
Copper	91	1.2		0.20	mg/Kg-dry	1	01/23/06 16:07
Iron	33000	6.2		0.49	mg/Kg-dry	1	01/23/06 16:07
Lead	370	0.62		0.073	mg/Kg-dry	1	01/23/06 16:07
Magnesium	7300	120		0.86	mg/Kg-dry	1	01/23/06 16:07
Manganese	430	6.2		0.041	mg/Kg-dry	1	01/23/06 16:07
Nickel	17	6.2		0.16	mg/Kg-dry	1	01/23/06 16:07
Potassium	990	620		9.9	mg/Kg-dry	1	01/23/06 16:07
Selenium	2.3	0.62		0.30	mg/Kg-dry	1	01/23/06 16:07
Silver	0.22 J	1.2		0.099	mg/Kg-dry	1	01/23/06 16:07
Sodium	220	120		0.78	mg/Kg-dry	1	01/23/06 16:07
Thallium	0.36 J	1.2		0.26	mg/Kg-dry	1	01/23/06 16:07
Vanadium	16	6.2		0.099	mg/Kg-dry	1	01/23/06 16:07
Zinc	520	1.2		0.27	mg/Kg-dry	1	01/23/06 16:07

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:51

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 19.8

TestCode: 6010S

Lab ID: 0601049-011B

Client Sample ID: BH-25-D

Collection Date: 01/11/06 12:20

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10969

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP			SW6010B		(SW3050B)		
Aluminum	6500	12		1.9	mg/Kg-dry 1		01/23/06 16:20
Antimony	ND	7.5		0.24	mg/Kg-dry 1		01/23/06 16:20
Arsenic	6.1	0.62		0.27	mg/Kg-dry 1		01/23/06 16:20
Barium	100	12		0.042	mg/Kg-dry 1		01/23/06 16:20
Beryllium	0.57 J	1.2		0.0060	mg/Kg-dry 1		01/23/06 16:20
Cadmium	0.19 J	1.2		0.029	mg/Kg-dry 1		01/23/06 16:20
Calcium	12000	120		1.7	mg/Kg-dry 1		01/23/06 16:20
Chromium	9.3	1.2		0.16	mg/Kg-dry 1		01/23/06 16:20
Cobalt	6.6	6.2		0.13	mg/Kg-dry 1		01/23/06 16:20
Copper	21	1.2		0.20	mg/Kg-dry 1		01/23/06 16:20
Iron	13000	6.2		0.49	mg/Kg-dry 1		01/23/06 16:20
Lead	58	0.62		0.074	mg/Kg-dry 1		01/23/06 16:20
Magnesium	3100	120		0.87	mg/Kg-dry 1		01/23/06 16:20
Manganese	550	6.2		0.042	mg/Kg-dry 1		01/23/06 16:20
Nickel	14	6.2		0.16	mg/Kg-dry 1		01/23/06 16:20
Potassium	1600	620		10	mg/Kg-dry 1		01/23/06 16:20
Selenium	3.2	0.62		0.30	mg/Kg-dry 1		01/23/06 16:20
Silver	0.34 J	1.2		0.10	mg/Kg-dry 1		01/23/06 16:20
Sodium	74 J	120		0.78	mg/Kg-dry 1		01/23/06 16:20
Thallium	0.30 J	1.2		0.26	mg/Kg-dry 1		01/23/06 16:20
Vanadium	15	6.2		0.10	mg/Kg-dry 1		01/23/06 16:20
Zinc	57	1.2		0.27	mg/Kg-dry 1		01/23/06 16:20

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 12.7

TestCode: 6010S

Lab ID: 0601049-012B

Client Sample ID: BH-26-S

Collection Date: 01/11/06 12:35

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10970

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3050B)	
Aluminum	6800	11		1.7	mg/Kg-dry	1	01/23/06 16:24
Antimony	0.60 J	6.9		0.22	mg/Kg-dry	1	01/23/06 16:24
Arsenic	5.2	0.57		0.25	mg/Kg-dry	1	01/23/06 16:24
Barium	49	11		0.038	mg/Kg-dry	1	01/23/06 16:24
Beryllium	0.37 J	1.1		0.0055	mg/Kg-dry	1	01/23/06 16:24
Cadmium	0.30 J	1.1		0.027	mg/Kg-dry	1	01/23/06 16:24
Calcium	25000	110		1.6	mg/Kg-dry	1	01/23/06 16:24
Chromium	12	1.1		0.14	mg/Kg-dry	1	01/23/06 16:24
Cobalt	3.8 J	5.7		0.12	mg/Kg-dry	1	01/23/06 16:24
Copper	14	1.1		0.19	mg/Kg-dry	1	01/23/06 16:24
Iron	38000	5.7		0.45	mg/Kg-dry	1	01/23/06 16:24
Lead	25	0.57		0.068	mg/Kg-dry	1	01/23/06 16:24
Magnesium	3600	110		0.80	mg/Kg-dry	1	01/23/06 16:24
Manganese	810	5.7		0.038	mg/Kg-dry	1	01/23/06 16:24
Nickel	9.7	5.7		0.15	mg/Kg-dry	1	01/23/06 16:24
Potassium	950	570		9.2	mg/Kg-dry	1	01/23/06 16:24
Selenium	1.1	0.57		0.28	mg/Kg-dry	1	01/23/06 16:24
Silver	ND	1.1		0.092	mg/Kg-dry	1	01/23/06 16:24
Sodium	160	110		0.72	mg/Kg-dry	1	01/23/06 16:24
Thallium	0.69 J	1.1		0.24	mg/Kg-dry	1	01/23/06 16:24
Vanadium	21	5.7		0.092	mg/Kg-dry	1	01/23/06 16:24
Zinc	51	1.1		0.25	mg/Kg-dry	1	01/23/06 16:24

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 24.3

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601049-013B

Client Sample ID: BH-27-S

Collection Date: 01/11/06 13:40

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10971

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP			SW6010B		(SW3050B)		
Aluminum	5300	13		2.0	mg/Kg-dry	1	01/23/06 16:27
Antimony	0.30	J	7.9	0.25	mg/Kg-dry	1	01/23/06 16:27
Arsenic	3.5		0.66	0.29	mg/Kg-dry	1	01/23/06 16:27
Barium	40	13		0.044	mg/Kg-dry	1	01/23/06 16:27
Beryllium	0.28	J	1.3	0.0063	mg/Kg-dry	1	01/23/06 16:27
Cadmium	0.24	J	1.3	0.031	mg/Kg-dry	1	01/23/06 16:27
Calcium	22000	130		1.8	mg/Kg-dry	1	01/23/06 16:27
Chromium	11	1.3		0.17	mg/Kg-dry	1	01/23/06 16:27
Cobalt	2.6	J	6.6	0.14	mg/Kg-dry	1	01/23/06 16:27
Copper	13	1.3		0.21	mg/Kg-dry	1	01/23/06 16:27
Iron	14000	6.6		0.52	mg/Kg-dry	1	01/23/06 16:27
Lead	53	0.66		0.079	mg/Kg-dry	1	01/23/06 16:27
Magnesium	3700	130		0.92	mg/Kg-dry	1	01/23/06 16:27
Manganese	240	6.6		0.044	mg/Kg-dry	1	01/23/06 16:27
Nickel	8.6	6.6		0.17	mg/Kg-dry	1	01/23/06 16:27
Potassium	800	660		11	mg/Kg-dry	1	01/23/06 16:27
Selenium	0.48	J	0.66	0.32	mg/Kg-dry	1	01/23/06 16:27
Silver	ND	1.3		0.11	mg/Kg-dry	1	01/23/06 16:27
Sodium	150	130		0.63	mg/Kg-dry	1	01/23/06 16:27
Thallium	ND	1.3		0.26	mg/Kg-dry	1	01/23/06 16:27
Vanadium	13	6.6		0.11	mg/Kg-dry	1	01/23/06 16:27
Zinc	85	1.3		0.29	mg/Kg-dry	1	01/23/06 16:27

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/26/06 15:51

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 20.7

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601049-014B

Client Sample ID: BH-27-D

Collection Date: 01/11/06 13:55

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10972

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP			SW6010B	(SW3050B)			
Aluminum	12000	13	1.9	mg/Kg-dry	1		01/23/06 16:30
Antimony	ND	7.6	0.24	mg/Kg-dry	1		01/23/06 16:30
Arsenic	6.5	0.63	0.28	mg/Kg-dry	1		01/23/06 16:30
Barium	99	13	0.042	mg/Kg-dry	1		01/23/06 16:30
Beryllium	0.65 J	1.3	0.0061	mg/Kg-dry	1		01/23/06 16:30
Cadmium	0.17 J	1.3	0.030	mg/Kg-dry	1		01/23/06 16:30
Calcium	5600	130	1.7	mg/Kg-dry	1		01/23/06 16:30
Chromium	20	1.3	0.16	mg/Kg-dry	1		01/23/06 16:30
Cobalt	8.9	6.3	0.14	mg/Kg-dry	1		01/23/06 16:30
Copper	25	1.3	0.21	mg/Kg-dry	1		01/23/06 16:30
Iron	23000	6.3	0.50	mg/Kg-dry	1		01/23/06 16:30
Lead	74	0.63	0.075	mg/Kg-dry	1		01/23/06 16:30
Magnesium	4100	130	0.88	mg/Kg-dry	1		01/23/06 16:30
Manganese	510	6.3	0.042	mg/Kg-dry	1		01/23/06 16:30
Nickel	18	6.3	0.16	mg/Kg-dry	1		01/23/06 16:30
Potassium	1900	630	10	mg/Kg-dry	1		01/23/06 16:30
Selenium	1.2	0.63	0.30	mg/Kg-dry	1		01/23/06 16:30
Silver	ND	1.3	0.10	mg/Kg-dry	1		01/23/06 16:30
Sodium	63 J	130	0.79	mg/Kg-dry	1		01/23/06 16:30
Thallium	1.2 J	1.3	0.27	mg/Kg-dry	1		01/23/06 16:30
Vanadium	27	6.3	0.10	mg/Kg-dry	1		01/23/06 16:30
Zinc	97	1.3	0.28	mg/Kg-dry	1		01/23/06 16:30

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 12.3

TestCode: 6010S

Lab ID: 0601049-015B

Client Sample ID: BH-28-S

Collection Date: 01/11/06 15:10

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10973

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3050B)	
Aluminum	5500	11		1.7	mg/Kg-dry 1		01/23/06 16:34
Antimony	3.2 J	6.8		0.22	mg/Kg-dry 1		01/23/06 16:34
Arsenic	7.5	0.57		0.25	mg/Kg-dry 1		01/23/06 16:34
Barium	130	11		0.038	mg/Kg-dry 1		01/23/06 16:34
Beryllium	0.29 J	1.1		0.0055	mg/Kg-dry 1		01/23/06 16:34
Cadmium	0.67 J	1.1		0.027	mg/Kg-dry 1		01/23/06 16:34
Calcium	35000	110		1.5	mg/Kg-dry 1		01/23/06 16:34
Chromium	30	1.1		0.14	mg/Kg-dry 1		01/23/06 16:34
Cobalt	4.4 J	5.7		0.12	mg/Kg-dry 1		01/23/06 16:34
Copper	53	1.1		0.19	mg/Kg-dry 1		01/23/06 16:34
Iron	35000	5.7		0.45	mg/Kg-dry 1		01/23/06 16:34
Lead	120	0.57		0.068	mg/Kg-dry 1		01/23/06 16:34
Magnesium	8000	110		0.79	mg/Kg-dry 1		01/23/06 16:34
Manganese	560	5.7		0.038	mg/Kg-dry 1		01/23/06 16:34
Nickel	26	5.7		0.15	mg/Kg-dry 1		01/23/06 16:34
Potassium	810	570		9.2	mg/Kg-dry 1		01/23/06 16:34
Selenium	1.1	0.57		0.28	mg/Kg-dry 1		01/23/06 16:34
Silver	0.23 J	1.1		0.092	mg/Kg-dry 1		01/23/06 16:34
Sodium	140	110		0.72	mg/Kg-dry 1		01/23/06 16:34
Thallium	0.40 J	1.1		0.24	mg/Kg-dry 1		01/23/06 16:34
Vanadium	25	5.7		0.091	mg/Kg-dry 1		01/23/06 16:34
Zinc	160	1.1		0.25	mg/Kg-dry 1		01/23/06 16:34

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:51

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 19.6

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601049-016B

Client Sample ID: BH-28-D

Collection Date: 01/11/06 15:20

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10974

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	10000		12	1.9	mg/Kg-dry	1	01/23/06 16:37
Antimony	0.29	J	7.5	0.24	mg/Kg-dry	1	01/23/06 16:37
Barium	74		12	0.042	mg/Kg-dry	1	01/23/06 16:37
Beryllium	0.50	J	1.2	0.0060	mg/Kg-dry	1	01/23/06 16:37
Cadmium	0.25	J	1.2	0.029	mg/Kg-dry	1	01/23/06 16:37
Calcium	10000		120	1.7	mg/Kg-dry	1	01/23/06 16:37
Chromium	15		1.2	0.16	mg/Kg-dry	1	01/23/06 16:37
Cobalt	6.8		6.2	0.13	mg/Kg-dry	1	01/23/06 16:37
Copper	62		1.2	0.20	mg/Kg-dry	1	01/23/06 16:37
Iron	19000		6.2	0.49	mg/Kg-dry	1	01/23/06 16:37
Lead	98		0.62	0.074	mg/Kg-dry	1	01/23/06 16:37
Magnesium	3200		120	0.87	mg/Kg-dry	1	01/23/06 16:37
Manganese	670		6.2	0.042	mg/Kg-dry	1	01/23/06 16:37
Nickel	14		6.2	0.16	mg/Kg-dry	1	01/23/06 16:37
Potassium	1100		620	10	mg/Kg-dry	1	01/23/06 16:37
Selenium	0.63		0.62	0.30	mg/Kg-dry	1	01/23/06 16:37
Silver	ND		1.2	0.10	mg/Kg-dry	1	01/23/06 16:37
Sodium	80	J	120	0.78	mg/Kg-dry	1	01/23/06 16:37
Thallium	0.68	J	1.2	0.26	mg/Kg-dry	1	01/23/06 16:37
Vanadium	24		6.2	0.099	mg/Kg-dry	1	01/23/06 16:37
Zinc	110		1.2	0.27	mg/Kg-dry	1	01/23/06 16:37

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 12.3

TestCode: 6010S

Lab ID: 0601049-017B

Client Sample ID: BH-29-S

Collection Date: 01/11/06 16:05

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10975

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3050B)	
Aluminum	5000		11	1.7	mg/Kg-dry	1	01/23/06 16:41
Antimony	ND		6.8	0.22	mg/Kg-dry	1	01/23/06 16:41
Arsenic	3.4		0.57	0.25	mg/Kg-dry	1	01/23/06 16:41
Barium	39		11	0.038	mg/Kg-dry	1	01/23/06 16:41
Beryllium	0.24 J		1.1	0.0055	mg/Kg-dry	1	01/23/06 16:41
Cadmium	0.029 J		1.1	0.027	mg/Kg-dry	1	01/23/06 16:41
Calcium	36000		110	1.5	mg/Kg-dry	1	01/23/06 16:41
Chromium	9.4		1.1	0.14	mg/Kg-dry	1	01/23/06 16:41
Cobalt	2.3 J		5.7	0.12	mg/Kg-dry	1	01/23/06 16:41
Copper	14		1.1	0.19	mg/Kg-dry	1	01/23/06 16:41
Iron	14000		5.7	0.45	mg/Kg-dry	1	01/23/06 16:41
Lead	25		0.57	0.068	mg/Kg-dry	1	01/23/06 16:41
Magnesium	9100		110	0.79	mg/Kg-dry	1	01/23/06 16:41
Manganese	310		5.7	0.038	mg/Kg-dry	1	01/23/06 16:41
Nickel	7.8		5.7	0.15	mg/Kg-dry	1	01/23/06 16:41
Potassium	830		570	9.2	mg/Kg-dry	1	01/23/06 16:41
Selenium	ND		0.57	0.28	mg/Kg-dry	1	01/23/06 16:41
Silver	ND		1.1	0.092	mg/Kg-dry	1	01/23/06 16:41
Sodium	90 J		110	0.72	mg/Kg-dry	1	01/23/06 16:41
Thallium	ND		1.1	0.24	mg/Kg-dry	1	01/23/06 16:41
Vanadium	14		5.7	0.091	mg/Kg-dry	1	01/23/06 16:41
Zinc	45		1.1	0.25	mg/Kg-dry	1	01/23/06 16:41

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:51

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 20.4

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601049-018B

Client Sample ID: BH-29-D

Collection Date: 01/11/06 16:20

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10976

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3050B)	
Aluminum	12000	13		1.9	mg/Kg-dry 1		01/23/06 16:44
Antimony	ND	7.5		0.24	mg/Kg-dry 1		01/23/06 16:44
Arsenic	5.0	0.63		0.27	mg/Kg-dry 1		01/23/06 16:44
Barium	86	13		0.042	mg/Kg-dry 1		01/23/06 16:44
Beryllium	0.71 J	1.3		0.0060	mg/Kg-dry 1		01/23/06 16:44
Cadmium	0.13 J	1.3		0.029	mg/Kg-dry 1		01/23/06 16:44
Calcium	11000	130		1.7	mg/Kg-dry 1		01/23/06 16:44
Chromium	17	1.3		0.16	mg/Kg-dry 1		01/23/06 16:44
Cobalt	9.7	6.3		0.14	mg/Kg-dry 1		01/23/06 16:44
Copper	16	1.3		0.20	mg/Kg-dry 1		01/23/06 16:44
Iron	22000	6.3		0.50	mg/Kg-dry 1		01/23/06 16:44
Lead	33	0.63		0.075	mg/Kg-dry 1		01/23/06 16:44
Magnesium	5100	130		0.88	mg/Kg-dry 1		01/23/06 16:44
Manganese	810	6.3		0.042	mg/Kg-dry 1		01/23/06 16:44
Nickel	16	6.3		0.16	mg/Kg-dry 1		01/23/06 16:44
Potassium	1200	630		10	mg/Kg-dry 1		01/23/06 16:44
Selenium	0.83	0.63		0.30	mg/Kg-dry 1		01/23/06 16:44
Silver	0.18 J	1.3		0.10	mg/Kg-dry 1		01/23/06 16:44
Sodium	140	130		0.79	mg/Kg-dry 1		01/23/06 16:44
Thallium	1.0 J	1.3		0.27	mg/Kg-dry 1		01/23/06 16:44
Vanadium	27	6.3		0.10	mg/Kg-dry 1		01/23/06 16:44
Zinc	59	1.3		0.28	mg/Kg-dry 1		01/23/06 16:44

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 18.6

TestCode: 6010S

Lab ID: 0601049-019B

Client Sample ID: BH-34-S

Collection Date: 01/11/06 14:30

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10977

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	3500		12	1.9	mg/Kg-dry	1	01/23/06 16:47
Antimony	0.34 J		7.4	0.23	mg/Kg-dry	1	01/23/06 16:47
Arsenic	5.5		0.61	0.27	mg/Kg-dry	1	01/23/06 16:47
Barium	120		12	0.041	mg/Kg-dry	1	01/23/06 16:47
Beryllium	0.27 J		1.2	0.0059	mg/Kg-dry	1	01/23/06 16:47
Cadmium	1.5		1.2	0.029	mg/Kg-dry	1	01/23/06 16:47
Calcium	6800		120	1.7	mg/Kg-dry	1	01/23/06 16:47
Chromium	48		1.2	0.15	mg/Kg-dry	1	01/23/06 16:47
Cobalt	3.0 J		6.1	0.13	mg/Kg-dry	1	01/23/06 16:47
Copper	64		1.2	0.20	mg/Kg-dry	1	01/23/06 16:47
Iron	35000		6.1	0.48	mg/Kg-dry	1	01/23/06 16:47
Lead	110		0.61	0.073	mg/Kg-dry	1	01/23/06 16:47
Magnesium	1800		120	0.86	mg/Kg-dry	1	01/23/06 16:47
Manganese	380		6.1	0.041	mg/Kg-dry	1	01/23/06 16:47
Nickel	40		6.1	0.16	mg/Kg-dry	1	01/23/06 16:47
Potassium	420 J		610	9.9	mg/Kg-dry	1	01/23/06 16:47
Selenium	0.97		0.61	0.30	mg/Kg-dry	1	01/23/06 16:47
Silver	0.31 J		1.2	0.099	mg/Kg-dry	1	01/23/06 16:47
Sodium	260		120	0.77	mg/Kg-dry	1	01/23/06 16:47
Thallium	0.70 J		1.2	0.26	mg/Kg-dry	1	01/23/06 16:47
Vanadium	9.0		6.1	0.098	mg/Kg-dry	1	01/23/06 16:47
Zinc	300		1.2	0.27	mg/Kg-dry	1	01/23/06 16:47

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:51

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 8.0

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601049-020B

Client Sample ID: BH-34-D

Collection Date: 01/11/06 14:40

Date Received: 01/12/06 7:50

PrepDate: 01/19/06 12:00 A

BatchNo: 2422/R4293

FileID: 1-SAMP-10978

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3050B)	
Aluminum	680	11		1.6	mg/Kg-dry 1		01/23/06 16:51
Antimony	ND	6.5		0.21	mg/Kg-dry 1		01/23/06 16:51
Arsenic	0.78	0.54		0.24	mg/Kg-dry 1		01/23/06 16:51
Barium	5.8 J	11		0.037	mg/Kg-dry 1		01/23/06 16:51
Beryllium	0.052 J	1.1		0.0052	mg/Kg-dry 1		01/23/06 16:51
Cadmium	0.049 J	1.1		0.025	mg/Kg-dry 1		01/23/06 16:51
Calcium	480	110		1.5	mg/Kg-dry 1		01/23/06 16:51
Chromium	2.1	1.1		0.14	mg/Kg-dry 1		01/23/06 16:51
Cobalt	0.50 J	5.4		0.12	mg/Kg-dry 1		01/23/06 16:51
Copper	2.8	1.1		0.18	mg/Kg-dry 1		01/23/06 16:51
Iron	4400	5.4		0.43	mg/Kg-dry 1		01/23/06 16:51
Lead	3.3	0.54		0.065	mg/Kg-dry 1		01/23/06 16:51
Magnesium	290	110		0.76	mg/Kg-dry 1		01/23/06 16:51
Manganese	41	5.4		0.036	mg/Kg-dry 1		01/23/06 16:51
Nickel	1.7 J	5.4		0.14	mg/Kg-dry 1		01/23/06 16:51
Potassium	94 J	540		8.7	mg/Kg-dry 1		01/23/06 16:51
Selenium	ND	0.54		0.26	mg/Kg-dry 1		01/23/06 16:51
Silver	ND	1.1		0.087	mg/Kg-dry 1		01/23/06 16:51
Sodium	65 J	110		0.68	mg/Kg-dry 1		01/23/06 16:51
Thallium	ND	1.1		0.23	mg/Kg-dry 1		01/23/06 16:51
Vanadium	1.8 J	5.4		0.087	mg/Kg-dry 1		01/23/06 16:51
Zinc	12	1.1		0.24	mg/Kg-dry 1		01/23/06 16:51

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

**Life Science Laboratories, Inc.**

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.**Project:** Geneva Foundry**W Order:** 0601050**Matrix:** SOIL**Inst. ID:** ICAP 61E**Sample Size:** 0.5 g**ColumnID:****%Moisture:** 16.0**Revision:** 01/25/06 8:22:44 A**TestCode:** 6010S**Lab ID:** 0601050-001B**Client Sample ID:** BH-37**Collection Date:** 01/11/06 8:30**Date Received:** 01/12/06 0:00**PrepDate:** 01/19/06 12:00 A**BatchNo:** 2421/R4293**FileID:** 1-SAMP-10988

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3050B)	
Aluminum	2200		60	9.0	mg/Kg-dry	5	01/23/06 17:39
Antimony	1.8 J		36	1.1	mg/Kg-dry	5	01/23/06 17:39
Arsenic	6.1		3.0	1.3	mg/Kg-dry	5	01/23/06 17:39
Barium	31 J		60	0.20	mg/Kg-dry	5	01/23/06 17:39
Beryllium	0.18 J		6.0	0.029	mg/Kg-dry	5	01/23/06 17:39
Cadmium	1.1 J		6.0	0.14	mg/Kg-dry	5	01/23/06 17:39
Calcium	23000		600	6.1	mg/Kg-dry	5	01/23/06 17:39
Chromium	95		6.0	0.74	mg/Kg-dry	5	01/23/06 17:39
Cobalt	6.3 J		30	0.64	mg/Kg-dry	5	01/23/06 17:39
Copper	95		6.0	0.97	mg/Kg-dry	5	01/23/06 17:39
Iron	63000		30	2.3	mg/Kg-dry	5	01/23/06 17:39
Lead	200		3.0	0.35	mg/Kg-dry	5	01/23/06 17:39
Magnesium	4700		600	4.1	mg/Kg-dry	5	01/23/06 17:39
Manganese	550		30	0.20	mg/Kg-dry	5	01/23/06 17:39
Nickel	78		30	0.77	mg/Kg-dry	5	01/23/06 17:39
Potassium	430 J		3000	48	mg/Kg-dry	5	01/23/06 17:39
Selenium	ND		3.0	1.4	mg/Kg-dry	5	01/23/06 17:39
Silver	ND		6.0	0.48	mg/Kg-dry	5	01/23/06 17:39
Sodium	51 J		600	3.7	mg/Kg-dry	5	01/23/06 17:39
Thallium	2.2 J		6.0	1.3	mg/Kg-dry	5	01/23/06 17:39
Vanadium	7.6 J		30	0.48	mg/Kg-dry	5	01/23/06 17:39
Zinc	140		6.0	1.3	mg/Kg-dry	5	01/23/06 17:39

NOTES:

* The reporting limits were raised due to sample matrix interference.

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 18.3

TestCode: 6010S

Lab ID: 0601050-002B

Client Sample ID: BH-35-S

Collection Date: 01/11/06 8:55

Date Received: 01/12/06 0:00

PrepDate: 01/19/06 12:00 A

BatchNo: 2421/R4293

FileID: 1-SAMP-10930

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3050B)	
Aluminum	17000	12		1.9	mg/Kg-dry 1		01/23/06 13:54
Antimony	0.23 J	7.3		0.23	mg/Kg-dry 1		01/23/06 13:54
Arsenic	6.8	0.61		0.27	mg/Kg-dry 1		01/23/06 13:54
Barium	110	12		0.041	mg/Kg-dry 1		01/23/06 13:54
Beryllium	0.96 J	1.2		0.0059	mg/Kg-dry 1		01/23/06 13:54
Cadmium	0.071 J	1.2		0.029	mg/Kg-dry 1		01/23/06 13:54
Calcium	59000	120		1.7	mg/Kg-dry 1		01/23/06 13:54
Chromium	23	1.2		0.15	mg/Kg-dry 1		01/23/06 13:54
Cobalt	14	6.1		0.13	mg/Kg-dry 1		01/23/06 13:54
Copper	27	1.2		0.20	mg/Kg-dry 1		01/23/06 13:54
Iron	29000	6.1		0.48	mg/Kg-dry 1		01/23/06 13:54
Lead	16	0.61		0.073	mg/Kg-dry 1		01/23/06 13:54
Magnesium	9500	120		0.85	mg/Kg-dry 1		01/23/06 13:54
Manganese	500	6.1		0.041	mg/Kg-dry 1		01/23/06 13:54
Nickel	37	6.1		0.18	mg/Kg-dry 1		01/23/06 13:54
Potassium	2900	610		9.8	mg/Kg-dry 1		01/23/06 13:54
Selenium	0.88	0.61		0.30	mg/Kg-dry 1		01/23/06 13:54
Silver	ND	1.2		0.098	mg/Kg-dry 1		01/23/06 13:54
Sodium	65 J	120		0.77	mg/Kg-dry 1		01/23/06 13:54
Thallium	0.26 J	1.2		0.26	mg/Kg-dry 1		01/23/06 13:54
Vanadium	31	6.1		0.098	mg/Kg-dry 1		01/23/06 13:54
Zinc	68	1.2		0.27	mg/Kg-dry 1		01/23/06 13:54

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:05

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 20.9

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601050-003B

Client Sample ID: BH-35-D

Collection Date: 01/11/06 9:05

Date Received: 01/12/06 0:00

PrepDate: 01/19/06 12:00 A

BatchNo: 2421/R4293

FileID: 1-SAMP-10931

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3050B)	
Aluminum	19000	13		1.9	mg/Kg-dry 1		01/23/06 13:58
Antimony	ND	7.6		0.24	mg/Kg-dry 1		01/23/06 13:58
Arsenic	6.4	0.63		0.28	mg/Kg-dry 1		01/23/06 13:58
Barium	130	13		0.042	mg/Kg-dry 1		01/23/06 13:58
Beryllium	0.93 J	1.3		0.0061	mg/Kg-dry 1		01/23/06 13:58
Cadmium	0.21 J	1.3		0.030	mg/Kg-dry 1		01/23/06 13:58
Calcium	4300	130		1.7	mg/Kg-dry 1		01/23/06 13:58
Chromium	25	1.3		0.16	mg/Kg-dry 1		01/23/06 13:58
Cobalt	11	6.3		0.14	mg/Kg-dry 1		01/23/06 13:58
Copper	21	1.3		0.21	mg/Kg-dry 1		01/23/06 13:58
Iron	30000	6.3		0.50	mg/Kg-dry 1		01/23/06 13:58
Lead	53	0.63		0.075	mg/Kg-dry 1		01/23/06 13:58
Magnesium	5400	130		0.88	mg/Kg-dry 1		01/23/06 13:58
Manganese	540	6.3		0.042	mg/Kg-dry 1		01/23/06 13:58
Nickel	28	6.3		0.16	mg/Kg-dry 1		01/23/06 13:58
Potassium	2000	630		10	mg/Kg-dry 1		01/23/06 13:58
Selenium	0.90	0.63		0.31	mg/Kg-dry 1		01/23/06 13:58
Silver	ND	1.3		0.10	mg/Kg-dry 1		01/23/06 13:58
Sodium	39 J	130		0.80	mg/Kg-dry 1		01/23/06 13:58
Thallium	2.0	1.3		0.27	mg/Kg-dry 1		01/23/06 13:58
Vanadium	34	6.3		0.10	mg/Kg-dry 1		01/23/06 13:58
Zinc	62	1.3		0.28	mg/Kg-dry 1		01/23/06 13:58

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 3.9

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601050-004B

Client Sample ID: BH-36-S

Collection Date: 01/10/06 14:20

Date Received: 01/12/06 0:00

PrepDate: 01/19/06 12:00 A

BatchNo: 2421/R4293

FileID: 1-SAMP-10932

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3050B)	
Aluminum	2300	10		1.6	mg/Kg-dry	1	01/23/06 14:01
Antimony	ND	6.2		0.20	mg/Kg-dry	1	01/23/06 14:01
Arsenic	3.8	0.52		0.23	mg/Kg-dry	1	01/23/06 14:01
Barium	6.0 J	10		0.035	mg/Kg-dry	1	01/23/06 14:01
Beryllium	0.29 J	1.0		0.0050	mg/Kg-dry	1	01/23/06 14:01
Cadmium	ND	1.0		0.024	mg/Kg-dry	1	01/23/06 14:01
Calcium	290000 E	100		1.4	mg/Kg-dry	1	01/23/06 14:01
Chromium	5.1	1.0		0.13	mg/Kg-dry	1	01/23/06 14:01
Cobalt	9.0	5.2		0.11	mg/Kg-dry	1	01/23/06 14:01
Copper	9.3	1.0		0.17	mg/Kg-dry	1	01/23/06 14:01
Iron	6200	5.2		0.41	mg/Kg-dry	1	01/23/06 14:01
Lead	3.2	0.52		0.062	mg/Kg-dry	1	01/23/06 14:01
Magnesium	14000	100		0.72	mg/Kg-dry	1	01/23/06 14:01
Manganese	460	5.2		0.035	mg/Kg-dry	1	01/23/06 14:01
Nickel	21	5.2		0.13	mg/Kg-dry	1	01/23/06 14:01
Selenium	ND	0.52		0.25	mg/Kg-dry	1	01/23/06 14:01
Silver	ND	1.0		0.084	mg/Kg-dry	1	01/23/06 14:01
Sodium	160	100		0.66	mg/Kg-dry	1	01/23/06 14:01
Vanadium	8.0	5.2		0.083	mg/Kg-dry	1	01/23/06 14:01
Zinc	27	1.0		0.23	mg/Kg-dry	1	01/23/06 14:01

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:05

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 3.9

TestCode: 6010S

Lab ID: 0601050-004B

Client Sample ID: BH-36-S

Collection Date: 01/10/06 14:20

Date Received: 01/12/06 0:00

PrepDate: 01/19/06 12:00 A

BatchNo: 2421/R4293

FileID: 1-DL-10995

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3050B)	
Calcium	280000		520	7.1	mg/Kg-dry	5	01/23/06 18:09
Potassium	1500	J	2600	42	mg/Kg-dry	5	01/23/06 18:09
Thallium	ND		5.2	1.1	mg/Kg-dry	5	01/23/06 18:09

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:05

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 12.9

TestCode: 6010S

Lab ID: 0601050-005B

Client Sample ID: BH-36-D

Collection Date: 01/10/06 14:30

Date Received: 01/12/06 0:00

PrepDate: 01/19/06 12:00 A

BatchNo: 2421/R4293

FileID: 1-SAMP-10933

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	5300		11	1.7	mg/Kg-dry	1	01/23/06 14:04
Antimony	0.53	J	6.9	0.22	mg/Kg-dry	1	01/23/06 14:04
Arsenic	4.2		0.57	0.25	mg/Kg-dry	1	01/23/06 14:04
Barium	48		11	0.039	mg/Kg-dry	1	01/23/06 14:04
Beryllium	0.44	J	1.1	0.0055	mg/Kg-dry	1	01/23/06 14:04
Cadmium	0.093	J	1.1	0.027	mg/Kg-dry	1	01/23/06 14:04
Calcium	23000		110	1.6	mg/Kg-dry	1	01/23/06 14:04
Chromium	19		1.1	0.14	mg/Kg-dry	1	01/23/06 14:04
Cobalt	3.8	J	5.7	0.12	mg/Kg-dry	1	01/23/06 14:04
Copper	40		1.1	0.19	mg/Kg-dry	1	01/23/06 14:04
Iron	29000		5.7	0.45	mg/Kg-dry	1	01/23/06 14:04
Lead	14		0.57	0.068	mg/Kg-dry	1	01/23/06 14:04
Magnesium	2400		110	0.80	mg/Kg-dry	1	01/23/06 14:04
Manganese	870		5.7	0.038	mg/Kg-dry	1	01/23/06 14:04
Nickel	12		5.7	0.15	mg/Kg-dry	1	01/23/06 14:04
Potassium	670		570	9.2	mg/Kg-dry	1	01/23/06 14:04
Selenium	0.54	J	0.57	0.28	mg/Kg-dry	1	01/23/06 14:04
Silver	0.12	J	1.1	0.092	mg/Kg-dry	1	01/23/06 14:04
Sodium	150		110	0.72	mg/Kg-dry	1	01/23/06 14:04
Thallium	0.92	J	1.1	0.24	mg/Kg-dry	1	01/23/06 14:04
Vanadium	18		5.7	0.092	mg/Kg-dry	1	01/23/06 14:04
Zinc	27		1.1	0.25	mg/Kg-dry	1	01/23/06 14:04

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/26/06 16:05

Project Supervisor: Thomas A. Alexander

295



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 50 mL

%Moisture:

TestCode: 6010W05

Lab ID: 0601050-006C

Client Sample ID: 1/10 EQUIP BLANK

Collection Date: 01/10/06 16:00

Date Received: 01/12/06 0:00

PrepDate: 01/13/06 12:00 A

BatchNo: 2388/R4293

FileID: 1-SAMP-10912

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3005A)	
Aluminum	0.036	J	0.10	0.013	mg/L	1	01/23/06 12:51
Antimony	ND		0.060	0.0023	mg/L	1	01/23/06 12:51
Arsenic	ND		0.0050	0.0019	mg/L	1	01/23/06 12:51
Barium	0.00043	J	0.10	0.00031	mg/L	1	01/23/06 12:51
Beryllium	ND		0.010	0.00014	mg/L	1	01/23/06 12:51
Cadmium	0.00030	J	0.010	0.00027	mg/L	1	01/23/06 12:51
Calcium	0.045	J	1.0	0.014	mg/L	1	01/23/06 12:51
Chromium	ND		0.010	0.0013	mg/L	1	01/23/06 12:51
Cobalt	ND		0.050	0.0012	mg/L	1	01/23/06 12:51
Copper	ND		0.010	0.0016	mg/L	1	01/23/06 12:51
Iron	ND		0.050	0.0053	mg/L	1	01/23/06 12:51
Lead	ND		0.0050	0.00084	mg/L	1	01/23/06 12:51
Magnesium	ND		1.0	0.011	mg/L	1	01/23/06 12:51
Manganese	ND		0.050	0.00018	mg/L	1	01/23/06 12:51
Nickel	0.0013	J	0.050	0.0012	mg/L	1	01/23/06 12:51
Potassium	ND		5.0	0.089	mg/L	1	01/23/06 12:51
Selenium	ND		0.0050	0.0022	mg/L	1	01/23/06 12:51
Silver	0.0015	J	0.010	0.00095	mg/L	1	01/23/06 12:51
Sodium	0.025	J	1.0	0.0050	mg/L	1	01/23/06 12:51
Thallium	ND		0.010	0.0046	mg/L	1	01/23/06 12:51
Vanadium	ND		0.050	0.0014	mg/L	1	01/23/06 12:51
Zinc	ND		0.010	0.0017	mg/L	1	01/23/06 12:51

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:05

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 50 mL

%Moisture:

TestCode: 6010W05

Lab ID: 0601050-007C

Client Sample ID: 1/11 EQUIP BLANK

Collection Date: 01/11/06 16:00

Date Received: 01/12/06 0:00

PrepDate: 01/13/06 12:00 A

BatchNo: 2388/R4293

FileID: 1-SAMP-10913

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3005A)	
Aluminum	0.034	J	0.10	0.013	mg/L	1	01/23/06 12:54
Antimony	ND		0.060	0.0023	mg/L	1	01/23/06 12:54
Arsenic	ND		0.0050	0.0019	mg/L	1	01/23/06 12:54
Barium	ND		0.10	0.00031	mg/L	1	01/23/06 12:54
Beryllium	ND		0.010	0.00014	mg/L	1	01/23/06 12:54
Cadmium	ND		0.010	0.00027	mg/L	1	01/23/06 12:54
Calcium	0.026	J	1.0	0.014	mg/L	1	01/23/06 12:54
Chromium	ND		0.010	0.0013	mg/L	1	01/23/06 12:54
Cobalt	ND		0.050	0.0012	mg/L	1	01/23/06 12:54
Copper	ND		0.010	0.0016	mg/L	1	01/23/06 12:54
Iron	ND		0.050	0.0053	mg/L	1	01/23/06 12:54
Lead	ND		0.0050	0.00084	mg/L	1	01/23/06 12:54
Magnesium	ND		1.0	0.011	mg/L	1	01/23/06 12:54
Manganese	ND		0.050	0.00018	mg/L	1	01/23/06 12:54
Nickel	ND		0.050	0.0012	mg/L	1	01/23/06 12:54
Potassium	ND		5.0	0.089	mg/L	1	01/23/06 12:54
Selenium	ND		0.0050	0.0022	mg/L	1	01/23/06 12:54
Silver	ND		0.010	0.00095	mg/L	1	01/23/06 12:54
Sodium	0.0059	J	1.0	0.0050	mg/L	1	01/23/06 12:54
Thallium	ND		0.010	0.0046	mg/L	1	01/23/06 12:54
Vanadium	ND		0.050	0.0014	mg/L	1	01/23/06 12:54
Zinc	ND		0.010	0.0017	mg/L	1	01/23/06 12:54

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 20.8

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601060-001B

Client Sample ID: BH-30-S

Collection Date: 01/11/06 16:35

Date Received: 01/12/06 15:35

PrepDate: 01/19/06 12:00 A

BatchNo: 2421/R4293

FileID: 1-SAMP-10996

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	4900		63	9.6	mg/Kg-dry	5	01/23/06 18:13
Antimony	3.3 J		38	1.2	mg/Kg-dry	5	01/23/06 18:13
Arsenic	13		3.2	1.4	mg/Kg-dry	5	01/23/06 18:13
Barium	260		63	0.21	mg/Kg-dry	5	01/23/06 18:13
Beryllium	0.28 J		6.3	0.030	mg/Kg-dry	5	01/23/06 18:13
Cadmium	2.6 J		6.3	0.15	mg/Kg-dry	5	01/23/06 18:13
Calcium	47000		630	8.6	mg/Kg-dry	5	01/23/06 18:13
Chromium	70		6.3	0.79	mg/Kg-dry	5	01/23/06 18:13
Cobalt	6.2 J		32	0.68	mg/Kg-dry	5	01/23/06 18:13
Copper	150		6.3	1.0	mg/Kg-dry	5	01/23/06 18:13
Iron	67000		32	2.5	mg/Kg-dry	5	01/23/06 18:13
Lead	590		3.2	0.38	mg/Kg-dry	5	01/23/06 18:13
Magnesium	6300		630	4.4	mg/Kg-dry	5	01/23/06 18:13
Manganese	550		32	0.21	mg/Kg-dry	5	01/23/06 18:13
Nickel	50		32	0.82	mg/Kg-dry	5	01/23/06 18:13
Potassium	850 J		3200	51	mg/Kg-dry	5	01/23/06 18:13
Selenium	ND		3.2	1.5	mg/Kg-dry	5	01/23/06 18:13
Silver	0.71 J		6.3	0.51	mg/Kg-dry	5	01/23/06 18:13
Sodium	220 J		630	4.0	mg/Kg-dry	5	01/23/06 18:13
Thallium	ND		6.3	1.3	mg/Kg-dry	5	01/23/06 18:13
Vanadium	28 J		32	0.50	mg/Kg-dry	5	01/23/06 18:13
Zinc	610		6.3	1.4	mg/Kg-dry	5	01/23/06 18:13

NOTES:

* The reporting limits were raised due to sample matrix interference.

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/26/06 16:19

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: ICAP 61E

Sample Size: 0.5 g

ColumnID:

%Moisture: 19.5

Revision: 01/25/06 8:22:44 A

TestCode: 6010S

Lab ID: 0601060-002B

Client Sample ID: BH-32-S

Collection Date: 01/12/06 10:15

Date Received: 01/12/06 15:35

PrepDate: 01/19/06 12:00 A

BatchNo: 2421/R4293

FileID: I-SAMP-10935

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	12000		12	1.9	mg/Kg-dry	1	01/23/06 14:11
Antimony	0.89 J		7.5	0.24	mg/Kg-dry	1	01/23/06 14:11
Arsenic	11		0.62	0.27	mg/Kg-dry	1	01/23/06 14:11
Barium	110		12	0.042	mg/Kg-dry	1	01/23/06 14:11
Beryllium	0.59 J		1.2	0.0060	mg/Kg-dry	1	01/23/06 14:11
Cadmium	0.32 J		1.2	0.029	mg/Kg-dry	1	01/23/06 14:11
Calcium	35000		120	1.7	mg/Kg-dry	1	01/23/06 14:11
Chromium	23		1.2	0.16	mg/Kg-dry	1	01/23/06 14:11
Cobalt	8.4		6.2	0.13	mg/Kg-dry	1	01/23/06 14:11
Copper	61		1.2	0.20	mg/Kg-dry	1	01/23/06 14:11
Iron	59000		6.2	0.49	mg/Kg-dry	1	01/23/06 14:11
Lead	150		0.62	0.074	mg/Kg-dry	1	01/23/06 14:11
Magnesium	6600		120	0.87	mg/Kg-dry	1	01/23/06 14:11
Manganese	580		6.2	0.042	mg/Kg-dry	1	01/23/06 14:11
Nickel	22		6.2	0.16	mg/Kg-dry	1	01/23/06 14:11
Potassium	1800		620	10	mg/Kg-dry	1	01/23/06 14:11
Selenium	2.3		0.62	0.30	mg/Kg-dry	1	01/23/06 14:11
Silver	0.12 J		1.2	0.10	mg/Kg-dry	1	01/23/06 14:11
Sodium	150		120	0.78	mg/Kg-dry	1	01/23/06 14:11
Thallium	1.2		1.2	0.26	mg/Kg-dry	1	01/23/06 14:11
Vanadium	38		6.2	0.099	mg/Kg-dry	1	01/23/06 14:11
Zinc	1100 E		1.2	0.27	mg/Kg-dry	1	01/23/06 14:11

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:19

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 19.5

TestCode: 6010S

Lab ID: 0601060-002B

Client Sample ID: BH-32-S

Collection Date: 01/12/06 10:15

Date Received: 01/12/06 15:35

PrepDate: 01/19/06 12:00 A

BatchNo: 2421/R4293

FileID: 1-DL-10997

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3050B)	
Zinc	1200	6.2		1.4	mg/Kg-dry	5	01/23/06 18:17

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:19

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 15.1

TestCode: 6010S

Lab ID: 0601060-003B

Client Sample ID: BH-32-D

Collection Date: 01/12/06 10:30

Date Received: 01/12/06 15:35

PrepDate: 01/19/06 12:00 A

BatchNo: 2421/R4293

FileID: 1-SAMP-10936

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	6100		12	1.8	mg/Kg-dry	1	01/23/06 14:15
Antimony	0.25 J		7.1	0.22	mg/Kg-dry	1	01/23/06 14:15
Arsenic	5.9		0.59	0.26	mg/Kg-dry	1	01/23/06 14:15
Barium	64		12	0.040	mg/Kg-dry	1	01/23/06 14:15
Beryllium	0.36 J		1.2	0.0057	mg/Kg-dry	1	01/23/06 14:15
Cadmium	0.25 J		1.2	0.028	mg/Kg-dry	1	01/23/06 14:15
Calcium	6900		120	1.6	mg/Kg-dry	1	01/23/06 14:15
Chromium	9.3		1.2	0.15	mg/Kg-dry	1	01/23/06 14:15
Cobalt	4.1 J		5.9	0.13	mg/Kg-dry	1	01/23/06 14:15
Copper	43		1.2	0.19	mg/Kg-dry	1	01/23/06 14:15
Iron	18000		5.9	0.46	mg/Kg-dry	1	01/23/06 14:15
Lead	40		0.59	0.070	mg/Kg-dry	1	01/23/06 14:15
Magnesium	2700		120	0.82	mg/Kg-dry	1	01/23/06 14:15
Manganese	260		5.9	0.039	mg/Kg-dry	1	01/23/06 14:15
Nickel	8.7		5.9	0.15	mg/Kg-dry	1	01/23/06 14:15
Potassium	820		590	9.5	mg/Kg-dry	1	01/23/06 14:15
Selenium	0.58 J		0.59	0.28	mg/Kg-dry	1	01/23/06 14:15
Silver	0.20 J		1.2	0.095	mg/Kg-dry	1	01/23/06 14:15
Sodium	100 J		120	0.74	mg/Kg-dry	1	01/23/06 14:15
Thallium	0.67 J		1.2	0.25	mg/Kg-dry	1	01/23/06 14:15
Vanadium	18		5.9	0.094	mg/Kg-dry	1	01/23/06 14:15
Zinc	89		1.2	0.26	mg/Kg-dry	1	01/23/06 14:15

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:19

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: ICAP 61E

ColumnID:

Revision: 01/25/06 8:22:44 A

Sample Size: 0.5 g

%Moisture: 14.6

TestCode: 6010S

Lab ID: 0601060-004B

Client Sample ID: BH-33-S

Collection Date: 01/12/06 10:45

Date Received: 01/12/06 15:35

PrepDate: 01/19/06 12:00 A

BatchNo: 2421/R4293

FileID: 1-SAMP-10937

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3050B)		
Aluminum	6500	12		1.8	mg/Kg-dry	1	01/23/06 14:18
Antimony	3.4 J	7.0		0.22	mg/Kg-dry	1	01/23/06 14:18
Arsenic	10	0.59		0.26	mg/Kg-dry	1	01/23/06 14:18
Barium	77	12		0.039	mg/Kg-dry	1	01/23/06 14:18
Beryllium	0.33 J	1.2		0.0056	mg/Kg-dry	1	01/23/06 14:18
Cadmium	0.43 J	1.2		0.027	mg/Kg-dry	1	01/23/06 14:18
Calcium	48000	120		1.6	mg/Kg-dry	1	01/23/06 14:18
Chromium	18	1.2		0.15	mg/Kg-dry	1	01/23/06 14:18
Cobalt	3.8 J	5.9		0.13	mg/Kg-dry	1	01/23/06 14:18
Copper	41	1.2		0.19	mg/Kg-dry	1	01/23/06 14:18
Iron	48000	5.9		0.46	mg/Kg-dry	1	01/23/06 14:18
Lead	170	0.59		0.070	mg/Kg-dry	1	01/23/06 14:18
Magnesium	5900	120		0.82	mg/Kg-dry	1	01/23/06 14:18
Manganese	460	5.9		0.039	mg/Kg-dry	1	01/23/06 14:18
Nickel	12	5.9		0.15	mg/Kg-dry	1	01/23/06 14:18
Potassium	1200	590		9.4	mg/Kg-dry	1	01/23/06 14:18
Selenium	1.7	0.59		0.28	mg/Kg-dry	1	01/23/06 14:18
Silver	0.15 J	1.2		0.094	mg/Kg-dry	1	01/23/06 14:18
Sodium	120	120		0.74	mg/Kg-dry	1	01/23/06 14:18
Thallium	0.49 J	1.2		0.25	mg/Kg-dry	1	01/23/06 14:18
Vanadium	18	5.9		0.094	mg/Kg-dry	1	01/23/06 14:18
Zinc	240	1.2		0.26	mg/Kg-dry	1	01/23/06 14:18

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:19

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 12.7

TestCode: HG7471S

Lab ID: 0601049-001B

Client Sample ID: BH-20-S

Collection Date: 01/11/06 7:55

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.43	0.11		0.0026	mg/Kg-dry 1		01/16/06 18:07

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 13.2

TestCode: HG7471S

Lab ID: 0601049-002B

Client Sample ID: BH-20-D

Collection Date: 01/11/06 8:05

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.086	J	0.12	0.0026	mg/Kg-dry 1		01/16/06 18:09

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 12:03:45 P

Sample Size: 0.3 g

%Moisture: 13.2

TestCode: HG7471S

Lab ID: 0601049-002B

Client Sample ID: **BH-20-D**

Collection Date: 01/11/06 8:05

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4231

FileID: 1-RA-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.082	J	0.12	0.0026	mg/Kg-dry 1		01/17/06 13:24

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 13.5

TestCode: HG7471S

Lab ID: 0601049-003B

Client Sample ID: BH-21-S

Collection Date: 01/10/06 15:15

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.11	J	0.12	0.0027	mg/Kg-dry 1		01/16/06 18:21

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 15.0

TestCode: HG7471S

Lab ID: 0601049-004B

Client Sample ID: BH-21-D

Collection Date: 01/10/06 15:25

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.060	J	0.12	0.0027	mg/Kg-dry 1		01/16/06 18:23

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 14.8

TestCode: HG7471S

Lab ID: 0601049-005B

Client Sample ID: BH-22-S

Collection Date: 01/10/06 13:00

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.39	0.12		0.0027	mg/Kg-dry 1		01/16/06 18:25

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 14.3

TestCode: HG7471S

Lab ID: 0601049-006B

Client Sample ID: BH-22-D

Collection Date: 01/10/06 13:20

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	1.0	0.12		0.0027	mg/Kg-dry 1		01/16/06 18:27

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 6.2

TestCode: HG7471S

Lab ID: 0601049-007B

Client Sample ID: BH-23-S

Collection Date: 01/10/06 14:00

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.11	0.11		0.0025	mg/Kg-dry 1		01/16/06 18:29

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	Lab ID:	0601049-008B
Project:	Geneva Foundry	Client Sample ID:	BH-24-S
W Order:	0601049	Collection Date:	01/11/06 9:40
Matrix:	SOIL	Date Received:	01/12/06 7:50
Inst. ID:	FIMS 100	PrepDate:	01/16/06 2:45 P
ColumnID:		BatchNo:	2396/R4230
Revision:	01/18/06 11:49:01 A	FileID:	1-SAMP-
	Sample Size: 0.3 g		
	%Moisture: 19.7		
	TestCode: HG7471S		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.46	0.12		0.0029	mg/Kg-dry 1		01/16/06 18:31

Qualifiers:	B Analyte detected in the associated Method Blank	E Value exceeds the instrument calibration range
	H Holding times for preparation or analysis exceeded	J Analyte detected below the PQL
	ND Not Detected at the Practical Quantitation Limit (PQL)	P Prim./Conf. column %D or RPD exceeds limit
	S Spike Recovery outside accepted recovery limits	

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	Lab ID:	0601049-009B
Project:	Geneva Foundry	Client Sample ID:	BH-24-D
W Order:	0601049	Collection Date:	01/11/06 9:50
Matrix:	SOIL	Date Received:	01/12/06 7:50
Inst. ID:	FIMS 100	Sample Size:	0.3 g
ColumnID:		%Moisture:	28.5
Revision:	01/18/06 11:49:01 A	TestCode:	HG7471S
		PrepDate:	01/16/06 2:45 P
		BatchNo:	2396/R4230
		FileID:	1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.12	J	0.14	0.0032	mg/Kg-dry 1		01/16/06 18:33

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 19.1

TestCode: HG7471S

Lab ID: 0601049-010B

Client Sample ID: BH-25-S

Collection Date: 01/11/06 12:10

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	1.2	0.12		0.0028	mg/Kg-dry 1		01/16/06 18:35

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 19.8

TestCode: HG7471S

Lab ID: 0601049-011B

Client Sample ID: BH-25-D

Collection Date: 01/11/06 12:20

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.52	0.12		0.0029	mg/Kg-dry 1		01/16/06 18:37

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 12.7

TestCode: HG7471S

Lab ID: 0601049-012B

Client Sample ID: BH-26-S

Collection Date: 01/11/06 12:35

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.039	J	0.11	0.0026	mg/Kg-dry	1	01/16/06 18:43

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	Lab ID:	0601049-013B
Project:	Geneva Foundry	Client Sample ID:	BH-27-S
W Order:	0601049	Collection Date:	01/11/06 13:40
Matrix:	SOIL	Date Received:	01/12/06 7:50
Inst. ID:	FIMS 100	Sample Size:	0.3 g
ColumnID:		%Moisture:	24.3
Revision:	01/18/06 11:49:01 A	TestCode:	HG7471S
		PrepDate:	01/16/06 2:45 P
		BatchNo:	2396/R4230
		FileID:	1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.057	J	0.13	0.0030	mg/Kg-dry 1		01/16/06 18:45

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
S	Spike Recovery outside accepted recovery limits		

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 20.7

TestCode: HG7471S

Lab ID: 0601049-014B

Client Sample ID: BH-27-D

Collection Date: 01/11/06 13:55

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.39	0.13		0.0029	mg/Kg-dry 1		01/16/06 18:47

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 12.3

TestCode: HG7471S

Lab ID: 0601049-015B

Client Sample ID: BH-28-S

Collection Date: 01/11/06 15:10

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.16	0.11		0.0026	mg/Kg-dry 1		01/16/06 18:49

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 19.6

TestCode: HG7471S

Lab ID: 0601049-016B

Client Sample ID: BH-28-D

Collection Date: 01/11/06 15:20

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.29	0.12		0.0029	mg/Kg-dry 1		01/16/06 18:51

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 12.3

TestCode: HG7471S

Lab ID: 0601049-017B

Client Sample ID: BH-29-S

Collection Date: 01/11/06 16:05

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.042	J	0.11	0.0026	mg/Kg-dry 1		01/16/06 18:53

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 20.4

TestCode: HG7471S

Lab ID: 0601049-018B

Client Sample ID: BH-29-D

Collection Date: 01/11/06 16:20

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.24	0.13		0.0029	mg/Kg-dry 1		01/16/06 18:55

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Practical Quantitation Limit (PQL)
S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range
J Analyte detected below the PQL
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 18.6

TestCode: HG7471S

Lab ID: 0601049-019B

Client Sample ID: BH-34-S

Collection Date: 01/11/06 14:30

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.12	J	0.12	0.0028	mg/Kg-dry 1		01/16/06 18:57

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601049

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 8.0

TestCode: HG7471S

Lab ID: 0601049-020B

Client Sample ID: BH-34-D

Collection Date: 01/11/06 14:40

Date Received: 01/12/06 7:50

PrepDate: 01/16/06 2:45 P

BatchNo: 2396/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.018	J	0.11	0.0025	mg/Kg-dry 1		01/16/06 18:59

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 15:59

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 16.0

TestCode: HG7471S

Lab ID: 0601050-001B

Client Sample ID: BH-37

Collection Date: 01/11/06 8:30

Date Received: 01/12/06 0:00

PrepDate: 01/16/06 2:45 P

BatchNo: 2395/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.14	0.12		0.0027	mg/Kg-dry 1		01/16/06 17:34

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:05

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 18.3

TestCode: HG7471S

Lab ID: 0601050-002B

Client Sample ID: BH-35-S

Collection Date: 01/11/06 8:55

Date Received: 01/12/06 0:00

PrepDate: 01/16/06 2:45 P

BatchNo: 2395/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.037	J	0.12	0.0028	mg/Kg-dry 1		01/18/06 17:42

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:05

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 20.9

TestCode: HG7471S

Lab ID: 0601050-003B

Client Sample ID: BH-35-D

Collection Date: 01/11/06 9:05

Date Received: 01/12/06 0:00

PrepDate: 01/16/06 2:45 P

BatchNo: 2395/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.060	J	0.13	0.0029	mg/Kg-dry 1		01/16/06 17:44

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/26/06 16:05

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	Lab ID:	0601050-004B
Project:	Geneva Foundry	Client Sample ID:	BH-36-S
W Order:	0601050	Collection Date:	01/10/06 14:20
Matrix:	SOIL	Date Received:	01/12/06 0:00
Inst. ID:	FIMS 100	Sample Size:	0.3 g
ColumnID:		%Moisture:	3.9
Revision:	01/18/06 11:49:01 A	TestCode:	HG7471S
		PrepDate:	01/16/06 2:45 P
		BatchNo:	2395/R4230
		FileID:	1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.018	J	0.10	0.0024	mg/Kg-dry 1		01/16/06 17:47

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/26/06 16:05

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 12.9

TestCode: HG7471S

Lab ID: 0601050-005B

Client Sample ID: BH-36-D

Collection Date: 01/10/06 14:30

Date Received: 01/12/06 0:00

PrepDate: 01/16/06 2:45 P

BatchNo: 2395/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.075	J	0.11	0.0026	mg/Kg-dry 1		01/16/06 17:49

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:05

Project Supervisor: Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	Lab ID:	0601050-006C
Project:	Geneva Foundry	Client Sample ID:	1/10 EQUIP BLANK
W Order:	0601050	Collection Date:	01/10/06 16:00
Matrix:	WATER	Date Received:	01/12/06 0:00
Inst. ID:	FIMS 100	Sample Size:	50 mL
ColumnID:		%Moisture:	
Revision:	02/01/06 8:55:47 A	TestCode:	HG7470W
		PrepDate:	01/17/06 12:00 A
		BatchNo:	2405/R4225
		FileID:	1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7470A		(SW7470A)	
Mercury	ND		0.00020	0.000026	mg/L	1	01/17/06 15:25

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 02/01/06 8:56

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601050

Matrix: WATER

Inst. ID: FIMS 100

Sample Size: 50 mL

ColumnID:

%Moisture:

Revision: 02/01/06 8:55:47 A

TestCode: HG7470W

Lab ID: 0601050-007C

Client Sample ID: 1/11 EQUIP BLANK

Collection Date: 01/11/06 16:00

Date Received: 01/12/06 0:00

PrepDate: 01/17/06 12:00 A

BatchNo: 2405/R4225

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7470A		(SW7470A)	
Mercury	ND		0.00020	0.000026	mg/L	1	01/17/06 15:27

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 02/01/06 8:56

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 20.8

TestCode: HG7471S

Lab ID: 0601060-001B

Client Sample ID: BH-30-S

Collection Date: 01/11/06 16:35

Date Received: 01/12/06 15:35

PrepDate: 01/16/06 2:45 P

BatchNo: 2395/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.59	0.13		0.0029	mg/Kg-dry 1		01/16/06 17:55

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:19

Project Supervisor: Thomas A. Alexander



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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 19.5

TestCode: HG7471S

Lab ID: 0601060-002B

Client Sample ID: BH-32-S

Collection Date: 01/12/06 10:15

Date Received: 01/12/06 15:35

PrepDate: 01/16/06 2:45 P

BatchNo: 2395/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.16	0.12		0.0029	mg/Kg-dry 1		01/16/06 17:56

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:19

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 15.1

TestCode: HG7471S

Lab ID: 0601060-003B

Client Sample ID: BH-32-D

Collection Date: 01/12/06 10:30

Date Received: 01/12/06 15:35

PrepDate: 01/16/06 2:45 P

BatchNo: 2395/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.093	J	0.12	0.0027	mg/Kg-dry 1		01/18/06 17:59

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:19

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601060

Matrix: SOIL

Inst. ID: FIMS 100

ColumnID:

Revision: 01/18/06 11:49:01 A

Sample Size: 0.3 g

%Moisture: 14.6

TestCode: HG7471S

Lab ID: 0601060-004B

Client Sample ID: BH-33-S

Collection Date: 01/12/06 10:45

Date Received: 01/12/06 15:35

PrepDate: 01/16/06 2:45 P

BatchNo: 2395/R4230

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7471A		(SW7471A)	
Mercury	0.15	0.12		0.0027	mg/Kg-dry 1		01/16/06 18:01

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 01/26/06 16:19

Project Supervisor: Thomas A. Alexander



Life Science Laboratories, Inc.

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East Syracuse, NY 13057

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Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: Geneva Foundry

W Order: 0601149

Matrix: WATER

Inst. ID: FIMS 100

ColumnID:

Revision: 01/30/06 9:28:33 A

Sample Size: 50 mL

%Moisture:

TestCode: HG7470W

Lab ID: 0601149-002A

Client Sample ID: MW-01

Collection Date: 01/26/06 13:00

Date Received: 01/27/06 8:30

PrepDate: 01/27/06 12:00 A

BatchNo: 2501/R4364

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7470A		(SW7470A)	
Mercury	0.00022		0.00020	0.000026	mg/L	1	01/27/06 17:50

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 01/31/06 10:58

Project Supervisor: Thomas A. Alexander



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Analytical Results

StateCertNo: 10155

CLIENT	O'Brien & Gere Engineers, Inc.	Lab ID:	0601149-001A
Project:	Geneva Foundry	Client Sample ID:	MW-01 Lab Filtered
W Order:	0601149	Collection Date:	01/26/06 12:50
Matrix:	WATER	Date Received:	01/27/06 8:30
Inst. ID:	FIMS 100	Sample Size:	50 mL
ColumnID:		%Moisture:	
Revision:	02/06/06 9:02:42 A	TestCode:	HG7470W
		PrepDate:	01/27/06 12:00 A
		BatchNo:	2501/R4364
		FileID:	1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				SW7470A		(SW7470A)	
Mercury	ND		0.00020	0.000026	mg/L	1	01/27/06 17:48

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	P	Prim./Conf. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 02/16/06 7:03

Project Supervisor: Thomas A. Alexander

Technical Report for

Plumley Environmental Engineers

Former Geneva Foundry Regrading, Jackson Street, Geneva, NY

2015003.011

SGS Accutest Job Number: JC51244

Sampling Date: 09/14/17

Report to:

Plumley Environmental Engineers

dhudson@plumleyeng.com

ATTN: Derk Hudson

Total number of pages in report: 37



Test results contained within this data package meet the requirements
of the National Environmental Laboratory Accreditation Program
and/or state specific certification programs as applicable.

Nancy F. Cole

Nancy Cole
Laboratory Director

Client Service contact: Kelly Patterson 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC,
OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

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Test results relate only to samples analyzed.

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Sample Summary

Plumley Environmental Engineers

Job No: JC51244

Former Geneva Foundry Regrading, Jackson Street, Geneva, NY
Project No: 2015003.011

Sample Number	Collected		Matrix Code	Type	Client Sample ID
	Date	Time By			
JC51244-1	09/14/17	14:00 DTH	09/20/17	SO Soil	OU1-1
JC51244-2	09/14/17	14:20 DTH	09/20/17	SO Soil	OU1-2
JC51244-3	09/14/17	14:30 DTH	09/20/17	SO Soil	OU1-3
JC51244-4	09/14/17	14:45 DTH	09/20/17	SO Soil	OU2-1

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Page 1 of 1

Job Number: JC51244

Account: Plumley Environmental Engineers

Project: Former Geneva Foundry Regrading, Jackson Street, Geneva, NY

Collected: 09/14/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

JC51244-1 OU1-1

Aroclor 1260	42.5	37	12	ug/kg	SW846 8082A
Corrosivity as pH	8.03 NC			su	SW846 9045D
Ignitability (Flashpoint)	> 200			Deg. F	SW846 1010A/ASTM D93
Barium	0.078 B	1.0	0.0063	mg/l	SW846 6010C
Lead	0.021 B	0.50	0.013	mg/l	SW846 6010C

JC51244-2 OU1-2

Corrosivity as pH	11.07 NC			su	SW846 9045D
Ignitability (Flashpoint)	> 200			Deg. F	SW846 1010A/ASTM D93
Barium	0.20 B	1.0	0.0063	mg/l	SW846 6010C
Lead	0.014 B	0.50	0.013	mg/l	SW846 6010C

JC51244-3 OU1-3

Aroclor 1262	26.9 J	37	2.8	ug/kg	SW846 8082A
Corrosivity as pH	8.91 NC			su	SW846 9045D
Ignitability (Flashpoint)	> 200			Deg. F	SW846 1010A/ASTM D93
Tetrachloroethene	0.0254	0.0050	0.0012	mg/l	SW846 8260C
Barium	0.44 B	1.0	0.0063	mg/l	SW846 6010C
Lead	0.016 B	0.50	0.013	mg/l	SW846 6010C

JC51244-4 OU2-1

Corrosivity as pH	8.02 NC			su	SW846 9045D
Ignitability (Flashpoint)	> 200			Deg. F	SW846 1010A/ASTM D93
Barium	0.73 B	1.0	0.0063	mg/l	SW846 6010C
Lead	0.26 B	0.50	0.013	mg/l	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

Client Sample ID:	OU1-1	Date Sampled:	09/14/17
Lab Sample ID:	JC51244-1	Date Received:	09/20/17
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8260C SW846 1311		
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V44892.D	5	09/23/17 00:04	EH	09/21/17	GP7948	V2V1778
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0025	0.00070	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.0095	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0027	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.00087	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.0011	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0011	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0020	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0010	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0012	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0013	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.0050	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		76-120%
17060-07-0	1,2-Dichloroethane-D4	115%		64-135%
2037-26-5	Toluene-D8	99%		76-117%
460-00-4	4-Bromofluorobenzene	102%		72-122%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	OU1-1	Date Sampled:	09/14/17
Lab Sample ID:	JC51244-1	Date Received:	09/20/17
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8270D SW846 3510C		
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P43033.D	1	09/25/17 04:47	CS	09/23/17 09:45	OP6357	E5P2102
Run #2							

Run #	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.0089	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		14-88%
4165-62-2	Phenol-d5	35%		10-110%
118-79-6	2,4,6-Tribromophenol	94%		39-149%
4165-60-0	Nitrobenzene-d5	94%		32-128%
321-60-8	2-Fluorobiphenyl	82%		35-119%
1718-51-0	Terphenyl-d14	101%		10-126%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	OU1-1		
Lab Sample ID:	JC51244-1	Date Sampled:	09/14/17
Matrix:	SO - Soil	Date Received:	09/20/17
Method:	SW846 8151 SW846 8151/3510C	Percent Solids:	84.1
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G111670.D	1	09/27/17 10:07	VDT	09/26/17 15:10	OP6356	G3G3883
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.5 ml
Run #2		

Herbicide TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0042	0.0033	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0012	0.00039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	110%		50-142%
19719-28-9	2,4-DCAA	91%		50-142%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	OU1-1		
Lab Sample ID:	JC51244-1	Date Sampled:	09/14/17
Matrix:	SO - Soil	Date Received:	09/20/17
Method:	SW846 8081B SW846 3510C	Percent Solids:	84.1
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G50926.D	1	09/25/17 05:14	CP	09/23/17 09:45	OP6355	G6G1488
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	54%		30-137%
877-09-8	Tetrachloro-m-xylene	53%		30-137%
2051-24-3	Decachlorobiphenyl	61%		10-137%
2051-24-3	Decachlorobiphenyl	67%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	OU1-1		
Lab Sample ID:	JC51244-1	Date Sampled:	09/14/17
Matrix:	SO - Soil	Date Received:	09/20/17
Method:	SW846 8082A SW846 3546	Percent Solids:	84.1
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX216506.D	1	09/25/17 14:12	RK	09/22/17 11:20	OP6317	GXX6132
Run #2							

Run #	Initial Weight	Final Volume
Run #1	16.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	15	ug/kg	
11104-28-2	Aroclor 1221	ND	37	15	ug/kg	
11141-16-5	Aroclor 1232	ND	37	10	ug/kg	
53469-21-9	Aroclor 1242	ND	37	6.0	ug/kg	
12672-29-6	Aroclor 1248	ND	37	22	ug/kg	
11097-69-1	Aroclor 1254	ND	37	9.2	ug/kg	
11096-82-5	Aroclor 1260	42.5	37	12	ug/kg	
11100-14-4	Aroclor 1268	ND	37	5.6	ug/kg	
37324-23-5	Aroclor 1262	ND	37	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		24-152%
877-09-8	Tetrachloro-m-xylene	64%		24-152%
2051-24-3	Decachlorobiphenyl	72%		10-166%
2051-24-3	Decachlorobiphenyl	72%		10-166%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: OU1-1

Lab Sample ID: JC51244-1

Matrix: SO - Soil

Date Sampled: 09/14/17

Date Received: 09/20/17

Percent Solids: 84.1

Project: Former Geneva Foundry Regrading, Jackson Street, Geneva, NY

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.014 U	D004	5.0	0.50	0.014	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Barium	0.078 B	D005	100	1.0	0.0063	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Cadmium	0.0035 U	D006	1.0	0.025	0.0035	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Chromium	0.0043 U	D007	5.0	0.050	0.0043	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Lead	0.021 B	D008	5.0	0.50	0.013	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Mercury	0.000083 U	D009	0.20	0.00020	0.000083	mg/l	1	09/22/17	09/22/17	JPM SW846 7470A ¹
Selenium	0.033 U	D010	1.0	0.50	0.033	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Silver	0.016 U	D011	5.0	0.050	0.016	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²

(1) Instrument QC Batch: MA42851

(2) Instrument QC Batch: MA42856

(3) Prep QC Batch: MP3089

(4) Prep QC Batch: MP3096

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: OU1-1	Date Sampled: 09/14/17
Lab Sample ID: JC51244-1	Date Received: 09/20/17
Matrix: SO - Soil	Percent Solids: 84.1
Project: Former Geneva Foundry Regrading, Jackson Street, Geneva, NY	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Corrosivity as pH	8.03 NC			su	1	09/25/17 13:05 RI	SW846	9045D
Cyanide Reactivity	2.7 U	12	2.7	mg/kg	1	09/22/17 11:45 BM	SW846	CHAP7/9012 B
Ignitability (Flashpoint)	> 200			Deg. F	1	09/25/17 15:34 RI	SW846	1010A/ASTM D93
Paint Filter Test ^a	0.0 B	0.50		ml/100g	1	09/25/17 11:00 RI	SW846	9095/9095B
Solids, Percent	84.1			%	1	09/21/17 16:30 LV	SM2540	G-97
Sulfide Reactivity	59 U	120	59	mg/kg	1	09/22/17 12:16 CD	SW846	CHAP7/9034

(a) No free liquids.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	OU1-2	Date Sampled:	09/14/17
Lab Sample ID:	JC51244-2	Date Received:	09/20/17
Matrix:	SO - Soil	Percent Solids:	88.6
Method:	SW846 8260C SW846 1311		
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V44893.D	5	09/23/17 00:31	EH	09/21/17	GP7948	V2V1778
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0025	0.00070	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.0095	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0027	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.00087	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.0011	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0011	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0020	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0010	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0012	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0013	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.0050	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		76-120%
17060-07-0	1,2-Dichloroethane-D4	113%		64-135%
2037-26-5	Toluene-D8	99%		76-117%
460-00-4	4-Bromofluorobenzene	100%		72-122%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	OU1-2	Date Sampled:	09/14/17
Lab Sample ID:	JC51244-2	Date Received:	09/20/17
Matrix:	SO - Soil	Percent Solids:	88.6
Method:	SW846 8270D SW846 3510C		
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P43043.D	1	09/25/17 08:49	CS	09/23/17 09:45	OP6357	E5P2102
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.0089	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		14-88%
4165-62-2	Phenol-d5	27%		10-110%
118-79-6	2,4,6-Tribromophenol	75%		39-149%
4165-60-0	Nitrobenzene-d5	80%		32-128%
321-60-8	2-Fluorobiphenyl	71%		35-119%
1718-51-0	Terphenyl-d14	85%		10-126%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	OU1-2						
Lab Sample ID:	JC51244-2					Date Sampled:	09/14/17
Matrix:	SO - Soil					Date Received:	09/20/17
Method:	SW846 8151 SW846 8151/3510C					Percent Solids:	88.6
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA128830.D	1	09/27/17 13:26	VDT	09/26/17 15:10	OP6356	GOA4407
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.5 ml
Run #2		

Herbicide TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0042	0.0033	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0012	0.00039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	108%		50-142%
19719-28-9	2,4-DCAA	100%		50-142%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	OU1-2	Date Sampled:	09/14/17
Lab Sample ID:	JC51244-2	Date Received:	09/20/17
Matrix:	SO - Soil	Percent Solids:	88.6
Method:	SW846 8081B SW846 3510C		
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G50927.D	1	09/25/17 05:31	CP	09/23/17 09:45	OP6355	G6G1488
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	47%		30-137%
877-09-8	Tetrachloro-m-xylene	46%		30-137%
2051-24-3	Decachlorobiphenyl	85%		10-137%
2051-24-3	Decachlorobiphenyl	90%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	OU1-2						
Lab Sample ID:	JC51244-2					Date Sampled:	09/14/17
Matrix:	SO - Soil					Date Received:	09/20/17
Method:	SW846 8082A SW846 3546					Percent Solids:	88.6
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX216503.D	1	09/25/17 13:22	RK	09/22/17 11:20	OP6317	GXX6132
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	15	ug/kg	
11104-28-2	Aroclor 1221	ND	38	15	ug/kg	
11141-16-5	Aroclor 1232	ND	38	10	ug/kg	
53469-21-9	Aroclor 1242	ND	38	6.0	ug/kg	
12672-29-6	Aroclor 1248	ND	38	22	ug/kg	
11097-69-1	Aroclor 1254	ND	38	9.3	ug/kg	
11096-82-5	Aroclor 1260	ND	38	12	ug/kg	
11100-14-4	Aroclor 1268	ND	38	5.6	ug/kg	
37324-23-5	Aroclor 1262	ND	38	2.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		24-152%
877-09-8	Tetrachloro-m-xylene	75%		24-152%
2051-24-3	Decachlorobiphenyl	74%		10-166%
2051-24-3	Decachlorobiphenyl	70%		10-166%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: OU1-2

Lab Sample ID: JC51244-2

Matrix: SO - Soil

Date Sampled: 09/14/17

Date Received: 09/20/17

Percent Solids: 88.6

Project: Former Geneva Foundry Regrading, Jackson Street, Geneva, NY

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.014 U	D004	5.0	0.50	0.014	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Barium	0.20 B	D005	100	1.0	0.0063	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Cadmium	0.0035 U	D006	1.0	0.025	0.0035	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Chromium	0.0043 U	D007	5.0	0.050	0.0043	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Lead	0.014 B	D008	5.0	0.50	0.013	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Mercury	0.000083 U	D009	0.20	0.00020	0.000083	mg/l	1	09/22/17	09/22/17	JPM SW846 7470A ¹
Selenium	0.033 U	D010	1.0	0.50	0.033	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Silver	0.016 U	D011	5.0	0.050	0.016	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²

(1) Instrument QC Batch: MA42851

(2) Instrument QC Batch: MA42856

(3) Prep QC Batch: MP3089

(4) Prep QC Batch: MP3096

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	OU1-2	Date Sampled:	09/14/17
Lab Sample ID:	JC51244-2	Date Received:	09/20/17
Matrix:	SO - Soil	Percent Solids:	88.6
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Corrosivity as pH	11.07 NC			su	1	09/25/17 13:07 RI	SW846	9045D
Cyanide Reactivity	2.5 U	11	2.5	mg/kg	1	09/22/17 11:46 BM	SW846	CHAP7/9012 B
Ignitability (Flashpoint)	> 200			Deg. F	1	09/25/17 15:34 RI	SW846	1010A/ASTM D93
Paint Filter Test ^a	0.0 B	0.50		ml/100g	1	09/25/17 11:10 RI	SW846	9095/9095B
Solids, Percent	88.6			%	1	09/21/17 16:30 LV	SM2540	G-97
Sulfide Reactivity	56 U	110	56	mg/kg	1	09/22/17 12:16 CD	SW846	CHAP7/9034

(a) No free liquids.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	OU1-3	Date Sampled:	09/14/17
Lab Sample ID:	JC51244-3	Date Received:	09/20/17
Matrix:	SO - Soil	Percent Solids:	88.6
Method:	SW846 8260C SW846 1311		
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V44894.D	5	09/23/17 00:58	EH	09/21/17	GP7948	V2V1778
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0025	0.00070	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.0095	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0027	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.00087	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.0011	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0011	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0020	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0010	mg/l	
127-18-4	Tetrachloroethene	0.0254	D039	0.70	0.0050	0.0012	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0013	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.0050	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		76-120%
17060-07-0	1,2-Dichloroethane-D4	114%		64-135%
2037-26-5	Toluene-D8	100%		76-117%
460-00-4	4-Bromofluorobenzene	102%		72-122%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	OU1-3	Date Sampled:	09/14/17
Lab Sample ID:	JC51244-3	Date Received:	09/20/17
Matrix:	SO - Soil	Percent Solids:	88.6
Method:	SW846 8270D SW846 3510C		
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P43044.D	1	09/25/17 09:13	CS	09/23/17 09:45	OP6357	E5P2102
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.0089	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		14-88%
4165-62-2	Phenol-d5	30%		10-110%
118-79-6	2,4,6-Tribromophenol	78%		39-149%
4165-60-0	Nitrobenzene-d5	79%		32-128%
321-60-8	2-Fluorobiphenyl	69%		35-119%
1718-51-0	Terphenyl-d14	79%		10-126%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	OU1-3		
Lab Sample ID:	JC51244-3	Date Sampled:	09/14/17
Matrix:	SO - Soil	Date Received:	09/20/17
Method:	SW846 8151 SW846 8151/3510C	Percent Solids:	88.6
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G111672.D	1	09/27/17 11:04	VDT	09/26/17 15:10	OP6356	G3G3883
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.5 ml
Run #2		

Herbicide TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0042	0.0033	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0012	0.00039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	124%		50-142%
19719-28-9	2,4-DCAA	89%		50-142%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	OU1-3		
Lab Sample ID:	JC51244-3	Date Sampled:	09/14/17
Matrix:	SO - Soil	Date Received:	09/20/17
Method:	SW846 8081B SW846 3510C	Percent Solids:	88.6
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G50928.D	1	09/25/17 05:47	CP	09/23/17 09:45	OP6355	G6G1488
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	57%		30-137%
877-09-8	Tetrachloro-m-xylene	56%		30-137%
2051-24-3	Decachlorobiphenyl	66%		10-137%
2051-24-3	Decachlorobiphenyl	72%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	OU1-3	
Lab Sample ID:	JC51244-3	Date Sampled: 09/14/17
Matrix:	SO - Soil	Date Received: 09/20/17
Method:	SW846 8082A SW846 3546	Percent Solids: 88.6
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX216509.D	1	09/25/17 15:39	RK	09/22/17 11:20	OP6317	GXX6132
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	15	ug/kg	
11104-28-2	Aroclor 1221	ND	37	15	ug/kg	
11141-16-5	Aroclor 1232	ND	37	10	ug/kg	
53469-21-9	Aroclor 1242	ND	37	5.9	ug/kg	
12672-29-6	Aroclor 1248	ND	37	22	ug/kg	
11097-69-1	Aroclor 1254	ND	37	9.2	ug/kg	
11096-82-5	Aroclor 1260	ND	37	12	ug/kg	
11100-14-4	Aroclor 1268	ND	37	5.6	ug/kg	
37324-23-5	Aroclor 1262	26.9	37	2.8	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		24-152%
877-09-8	Tetrachloro-m-xylene	77%		24-152%
2051-24-3	Decachlorobiphenyl	83%		10-166%
2051-24-3	Decachlorobiphenyl	92%		10-166%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: OU1-3

Lab Sample ID: JC51244-3

Matrix: SO - Soil

Date Sampled: 09/14/17

Date Received: 09/20/17

Percent Solids: 88.6

Project: Former Geneva Foundry Regrading, Jackson Street, Geneva, NY

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.014 U	D004	5.0	0.50	0.014	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Barium	0.44 B	D005	100	1.0	0.0063	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Cadmium	0.0035 U	D006	1.0	0.025	0.0035	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Chromium	0.0043 U	D007	5.0	0.050	0.0043	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Lead	0.016 B	D008	5.0	0.50	0.013	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Mercury	0.000083 U	D009	0.20	0.00020	0.000083	mg/l	1	09/22/17	09/22/17	JPM SW846 7470A ¹
Selenium	0.033 U	D010	1.0	0.50	0.033	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Silver	0.016 U	D011	5.0	0.050	0.016	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²

(1) Instrument QC Batch: MA42851

(2) Instrument QC Batch: MA42856

(3) Prep QC Batch: MP3089

(4) Prep QC Batch: MP3096

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: OU1-3	Date Sampled: 09/14/17
Lab Sample ID: JC51244-3	Date Received: 09/20/17
Matrix: SO - Soil	Percent Solids: 88.6
Project: Former Geneva Foundry Regrading, Jackson Street, Geneva, NY	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Corrosivity as pH	8.91 NC			su	1	09/25/17 13:09 RI	SW846	9045D
Cyanide Reactivity	2.6 U	11	2.6	mg/kg	1	09/22/17 11:48 BM	SW846	CHAP7/9012 B
Ignitability (Flashpoint)	> 200			Deg. F	1	09/25/17 15:34 RI	SW846	1010A/ASTM D93
Paint Filter Test ^a	0.0 B	0.50		ml/100g	1	09/25/17 11:20 RI	SW846	9095/9095B
Solids, Percent	88.6			%	1	09/21/17 16:30 LV	SM2540	G-97
Sulfide Reactivity	56 U	110	56	mg/kg	1	09/22/17 12:16 CD	SW846	CHAP7/9034

(a) No free liquids.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	OU2-1	Date Sampled:	09/14/17
Lab Sample ID:	JC51244-4	Date Received:	09/20/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8260C SW846 1311		
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2V44895.D	5	09/23/17 01:25	EH	09/21/17	GP7948	V2V1778
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0025	0.00070	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.0095	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0027	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.00087	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.0011	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0011	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0020	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0010	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0012	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0013	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.0050	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		76-120%
17060-07-0	1,2-Dichloroethane-D4	115%		64-135%
2037-26-5	Toluene-D8	97%		76-117%
460-00-4	4-Bromofluorobenzene	101%		72-122%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	OU2-1	Date Sampled:	09/14/17
Lab Sample ID:	JC51244-4	Date Received:	09/20/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8270D SW846 3510C		
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P43045.D	1	09/25/17 09:37	CS	09/23/17 09:45	OP6357	E5P2102
Run #2							

Run #	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.0089	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0088	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.0092	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0017	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0055	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0033	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0049	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0039	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0064	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		14-88%
4165-62-2	Phenol-d5	34%		10-110%
118-79-6	2,4,6-Tribromophenol	84%		39-149%
4165-60-0	Nitrobenzene-d5	93%		32-128%
321-60-8	2-Fluorobiphenyl	80%		35-119%
1718-51-0	Terphenyl-d14	82%		10-126%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	OU2-1	Date Sampled:	09/14/17
Lab Sample ID:	JC51244-4	Date Received:	09/20/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8151 SW846 8151/3510C		
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G111673.D	1	09/27/17 11:33	VDT	09/26/17 15:10	OP6356	G3G3883
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.5 ml
Run #2		

Herbicide TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0042	0.0033	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0012	0.00039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	106%		50-142%
19719-28-9	2,4-DCAA	93%		50-142%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	OU2-1	Date Sampled:	09/14/17
Lab Sample ID:	JC51244-4	Date Received:	09/20/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8081B SW846 3510C		
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G50929.D	1	09/25/17 06:04	CP	09/23/17 09:45	OP6355	G6G1488
Run #2							

	Initial Volume	Final Volume
Run #1	30.0 ml	2.0 ml
Run #2		

Pesticide TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.000067	0.000040	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0033	0.0014	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.000067	0.000040	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.000067	0.000030	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.000067	0.000040	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00013	0.000045	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0017	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	53%		30-137%
877-09-8	Tetrachloro-m-xylene	54%		30-137%
2051-24-3	Decachlorobiphenyl	56%		10-137%
2051-24-3	Decachlorobiphenyl	59%		10-137%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	OU2-1	Date Sampled:	09/14/17
Lab Sample ID:	JC51244-4	Date Received:	09/20/17
Matrix:	SO - Soil	Percent Solids:	84.9
Method:	SW846 8082A SW846 3546		
Project:	Former Geneva Foundry Regrading, Jackson Street, Geneva, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX216510.D	1	09/25/17 15:55	RK	09/22/17 11:20	OP6317	GXX6132
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	39	16	ug/kg	
11104-28-2	Aroclor 1221	ND	39	16	ug/kg	
11141-16-5	Aroclor 1232	ND	39	10	ug/kg	
53469-21-9	Aroclor 1242	ND	39	6.2	ug/kg	
12672-29-6	Aroclor 1248	ND	39	23	ug/kg	
11097-69-1	Aroclor 1254	ND	39	9.5	ug/kg	
11096-82-5	Aroclor 1260	ND	39	12	ug/kg	
11100-14-4	Aroclor 1268	ND	39	5.8	ug/kg	
37324-23-5	Aroclor 1262	ND	39	3.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		24-152%
877-09-8	Tetrachloro-m-xylene	85%		24-152%
2051-24-3	Decachlorobiphenyl	90%		10-166%
2051-24-3	Decachlorobiphenyl	86%		10-166%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: OU2-1

Lab Sample ID: JC51244-4

Matrix: SO - Soil

Date Sampled: 09/14/17

Date Received: 09/20/17

Percent Solids: 84.9

Project: Former Geneva Foundry Regrading, Jackson Street, Geneva, NY

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.014 U	D004	5.0	0.50	0.014	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Barium	0.73 B	D005	100	1.0	0.0063	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Cadmium	0.0035 U	D006	1.0	0.025	0.0035	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Chromium	0.0043 U	D007	5.0	0.050	0.0043	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Lead	0.26 B	D008	5.0	0.50	0.013	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Mercury	0.000083 U	D009	0.20	0.00020	0.000083	mg/l	1	09/22/17	09/22/17	JPM SW846 7470A ¹
Selenium	0.033 U	D010	1.0	0.50	0.033	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²
Silver	0.016 U	D011	5.0	0.050	0.016	mg/l	5	09/22/17	09/23/17	ND SW846 6010C ²

(1) Instrument QC Batch: MA42851

(2) Instrument QC Batch: MA42856

(3) Prep QC Batch: MP3089

(4) Prep QC Batch: MP3096

RL = Reporting Limit

MDL = Method Detection Limit

U = Indicates a result < MDL

MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: OU2-1
Lab Sample ID: JC51244-4
Matrix: SO - Soil

Date Sampled: 09/14/17
Date Received: 09/20/17
Percent Solids: 84.9

Project: Former Geneva Foundry Regrading, Jackson Street, Geneva, NY

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Corrosivity as pH	8.02 NC			su	1	09/25/17 13:11 RI	SW846	9045D
Cyanide Reactivity	2.6 U	11	2.6	mg/kg	1	09/22/17 11:49 BM	SW846	CHAP7/9012 B
Ignitability (Flashpoint)	> 200			Deg. F	1	09/25/17 15:34 RI	SW846	1010A/ASTM D93
Paint Filter Test ^a	0.0 B	0.50		ml/100g	1	09/25/17 11:30 RI	SW846	9095/9095B
Solids, Percent	84.9			%	1	09/21/17 16:30 LV	SM2540	G-97
Sulfide Reactivity	56 U	110	56	mg/kg	1	09/22/17 12:16 CD	SW846	CHAP7/9034

(a) No free liquids.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: JC51244
Account: PLUMNYB Plumley Environmental Engineers
Project: Former Geneva Foundry Regrading, Jackson Street, Geneva, NY

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Cyanide Reactivity		SW846 CHAP7/9012 B	SO	Accutest is not certified for this parameter. ^a
Sulfide Reactivity		SW846 CHAP7/9034	SO	Accutest is not certified for this parameter. ^a

(a) Reactivity analyzed following SW846 Chapter 7 is no longer recognized by regulatory agencies. Use of results should be verified through the program to which the data is being submitted.

Certification exceptions shown are based on the New Jersey DEP certifications. Applicability in other states may vary. Please contact your laboratory representative if additional information is required for a specific regulatory program.



1315 329-4733
ACCUTEST

CHAIN OF CUSTODY

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TEL: 508-881-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 1

Client / Reporting Information		Project Information		Requested Analysis (See TEST CODE sheet)		Matrix Codes	
Company Name Purkey Engineering, PC		Project Name		Full ICLP		Matrix Codes	
Project Address 5232 Loop Road		Billing Information (If different from Report top)		Reactivity		D1 - Drinking Water	
City, State, Zip Baldwinsville, NY 13027		Company Name		Elutriate		D2 - Wastewater	
Project Contact Dick		Project Address		pH		D3 - Surface Water	
Phone 315-434-1557		City, State, Zip		Paint Filter		D4 - Sediment	
Sample Name		Project Manager				D5 - Soil	
Project		Accepted				D6 - Sludge	
Date		Date				D7 - Air	
Time		Time				D8 - Other	
Frequency		Frequency				D9 - Other	
Collection		Collection				D10 - Other	
Date		Date				D11 - Other	
Time		Time				D12 - Other	
Frequency		Frequency				D13 - Other	
Collection		Collection				D14 - Other	
Date		Date				D15 - Other	
Time		Time				D16 - Other	
Frequency		Frequency				D17 - Other	
Collection		Collection				D18 - Other	
Date		Date				D19 - Other	
Time		Time				D20 - Other	
Frequency		Frequency				D21 - Other	
Collection		Collection				D22 - Other	
Date		Date				D23 - Other	
Time		Time				D24 - Other	
Frequency		Frequency				D25 - Other	
Collection		Collection				D26 - Other	
Date		Date				D27 - Other	
Time		Time				D28 - Other	
Frequency		Frequency				D29 - Other	
Collection		Collection				D30 - Other	
Date		Date				D31 - Other	
Time		Time				D32 - Other	
Frequency		Frequency				D33 - Other	
Collection		Collection				D34 - Other	
Date		Date				D35 - Other	
Time		Time				D36 - Other	
Frequency		Frequency				D37 - Other	
Collection		Collection				D38 - Other	
Date		Date				D39 - Other	
Time		Time				D40 - Other	
Frequency		Frequency				D41 - Other	
Collection		Collection				D42 - Other	
Date		Date				D43 - Other	
Time		Time				D44 - Other	
Frequency		Frequency				D45 - Other	
Collection		Collection				D46 - Other	
Date		Date				D47 - Other	
Time		Time				D48 - Other	
Frequency		Frequency				D49 - Other	
Collection		Collection				D50 - Other	
Date		Date				D51 - Other	
Time		Time				D52 - Other	
Frequency		Frequency				D53 - Other	
Collection		Collection				D54 - Other	
Date		Date				D55 - Other	
Time		Time				D56 - Other	
Frequency		Frequency				D57 - Other	
Collection		Collection				D58 - Other	
Date		Date				D59 - Other	
Time		Time				D60 - Other	
Frequency		Frequency				D61 - Other	
Collection		Collection				D62 - Other	
Date		Date				D63 - Other	
Time		Time				D64 - Other	
Frequency		Frequency				D65 - Other	
Collection		Collection				D66 - Other	
Date		Date				D67 - Other	
Time		Time				D68 - Other	
Frequency		Frequency				D69 - Other	
Collection		Collection				D70 - Other	
Date		Date				D71 - Other	
Time		Time				D72 - Other	
Frequency		Frequency				D73 - Other	
Collection		Collection				D74 - Other	
Date		Date				D75 - Other	
Time		Time				D76 - Other	
Frequency		Frequency				D77 - Other	
Collection		Collection				D78 - Other	
Date		Date				D79 - Other	
Time		Time				D80 - Other	
Frequency		Frequency				D81 - Other	
Collection		Collection				D82 - Other	
Date		Date				D83 - Other	
Time		Time				D84 - Other	
Frequency		Frequency				D85 - Other	
Collection		Collection				D86 - Other	
Date		Date				D87 - Other	
Time		Time				D88 - Other	
Frequency		Frequency				D89 - Other	
Collection		Collection				D90 - Other	
Date		Date				D91 - Other	
Time		Time				D92 - Other	
Frequency		Frequency				D93 - Other	
Collection		Collection				D94 - Other	
Date		Date				D95 - Other	
Time		Time				D96 - Other	
Frequency		Frequency				D97 - Other	
Collection		Collection				D98 - Other	
Date		Date				D99 - Other	
Time		Time				D100 - Other	

Turnaround Time (Business days)
☐ Std. 1 Business Days
☒ Std. 5 Business Days (By Contract only)
☐ 5 Day RUSH
☐ 10 Day EMERGENCY
☐ 20 Day EMERGENCY
☐ 1 Day EMERGENCY

Approved By: SGS Accutest Date: 9/14/13

Comments / Special Instructions

Commercial "A" (Level 1)
☒ Commercial "B" (Level 2)
☐ FULLT1 (Level 2A)
☐ CT RCP
☐ WACWP

RYASP Category A
RYASP Category B
State Forms
EOD Format
Other

Commercial "A" - Results Only
Commercial "B" - Results + QCS Summary

Sample Custody must be documented below each time samples change possession, including courier delivery.

Received By: <u>SGS</u>	Date/Time: <u>9/14/13 11:30</u>	Received By: <u>SGS</u>	Date/Time: <u>9/14/13 11:30</u>
Received By: <u>SGS</u>	Date/Time: <u>9/14/13 11:30</u>	Received By: <u>SGS</u>	Date/Time: <u>9/14/13 11:30</u>
Received By: <u>SGS</u>	Date/Time: <u>9/14/13 11:30</u>	Received By: <u>SGS</u>	Date/Time: <u>9/14/13 11:30</u>
Received By: <u>SGS</u>	Date/Time: <u>9/14/13 11:30</u>	Received By: <u>SGS</u>	Date/Time: <u>9/14/13 11:30</u>

Carrier: SGS Container: SGS Temperature: 38°F

JC51244: Chain of Custody

Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: JC51244

Client: _____

Project: _____

Date / Time Received: 9/20/2017 10:00:00 AM

Delivery Method: _____

Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (3.8);

Cooler Temps (Corrected) °C: Cooler 1: (3.0);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | IR Gun | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

SM089-02
Rev. Date 12/1/16

JC51244: Chain of Custody

Page 2 of 2



2011 East Main Street, Rochester, New York 14609
 Phone: 585-654-9080 Fax (585) 654-9662
 www.LozierEnv.com
 ELAP #11770

Client: Eddington Environmental
 178 Nursery Avenue
 Geneva, New York 14456

Laboratory No.: 54840
Date Received: 12/18/17
Report Date: 12/18/17
Analysis Date: 12/18/17
Page: 1 of 1

Attn: Gordon Eddington

Project Site: 44 Jackson Street, Concrete Pile

Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	N/A	Location:	Interior	Analyst:	J. Cravotta
Sampler:	Client	Type of Sample:	Bulk Asbestos	Number of Samples:	10

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NO T E	CL AS S	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
C-1	54840-C1	Concrete Pile	Gray Concrete	None Detected 0%	0%		NF	None Detected 0%	100%	N/A
C-2	54840-C2	Concrete Pile	Gray Concrete	None Detected 0%	0%		NF	None Detected 0%	100%	N/A
C-3	54840-C3	Concrete Pile	Gray Concrete	None Detected 0%	0%		NF	None Detected 0%	100%	N/A
C-4	54840-C4	Concrete Pile	Gray Concrete	None Detected 0%	0%		NF	None Detected 0%	100%	N/A
C-5	54840-C5	Concrete Pile	Gray Concrete	None Detected 0%	0%		NF	None Detected 0%	100%	N/A
C-6	54840-C6	Concrete Pile	Gray Concrete	None Detected 0%	0%		NF	None Detected 0%	100%	N/A
C-7	54840-C7	Concrete Pile	Gray Concrete	None Detected 0%	0%		NF	None Detected 0%	100%	N/A
C-8	54840-C8	Concrete Pile	Gray Concrete	None Detected 0%	0%		NF	None Detected 0%	100%	N/A
C-9	54840-C9	Concrete Pile	Gray Concrete	None Detected 0%	0%		NF	None Detected 0%	100%	N/A
C-10	54840-C10	Concrete Pile	Gray Concrete	None Detected 0%	0%		NF	None Detected 0%	100%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

Analyst: S. Johnston - NIKON Optiphot 2 PLM(136048)
 Analyst: J. Cravotta - Meiji PLM (MT9920)
 Analyst: G. Dilal - NIKON Optiphot 2 PLM(139570)

Approved By: J. DeNike Laboratory Director

Client: Eddington Environmental Lab No.: 54840
Address: 178 Nursery Ave. Turn Around: Immed. 24 Hr. 48Hr. Std. TEM: Send Notify First
Geneva, NY 14456 Location: 44 Jackson St - Concrete Pile
Contact: Gordon Eddington Sampled By: Gordon Eddington
Phone # 315-277-0162 Fax # gedding1@yahoo.com No. Samples: 10

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+	TEM
C-1	54840-C1	concrete pile	Gray	Concrete	X		NF	-	
C-2	-C2	" "	"	"	X		NF	-	
C-3	-C3	" "	"	"	X		NF	-	
C-4	-C4	" "	"	"	X		NF	-	
C-5	-C5	" "	"	"	X		NF	-	
C-6	-C6	" "	"	"	X		NF	-	
C-7	-C7	" "	"	"	X		NF	-	
C-8	-C8	" "	"	"	X		NF	-	
C-9	-C9	" "	"	"	X		NF	-	
C-10	-C10	" "	"	"	X		NF	-	

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC. Relinquished By: Gordon Eddington
RECEIVED BY: [Signature] DATE: 12/18/17 TIME: 12:00 PM
DATE: 12/18/17 TIME: 12:00 PM

December 18, 2017

Kathy McCormack
City of Geneva
47 CASTLE ST
GENEVA, NY 14456

RE: Project: EDDINGTON ENVIRONMENTAL
Pace Project No.: 7037998

Dear Kathy McCormack:

Enclosed are the analytical results for sample(s) received by the laboratory on December 13, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-1 **Lab ID: 7037998001** Collected: 12/11/17 10:15 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Arsenic	1.5	mg/kg	0.55	1	12/16/17 11:39	12/17/17 23:04	7440-38-2	D6
Barium	27.3	mg/kg	11.0	1	12/16/17 11:39	12/17/17 23:04	7440-39-3	D6,M1
Cadmium	0.15	mg/kg	0.14	1	12/16/17 11:39	12/17/17 23:04	7440-43-9	D6
Chromium	5.4	mg/kg	0.55	1	12/16/17 11:39	12/17/17 23:04	7440-47-3	D6
Lead	2.5	mg/kg	0.27	1	12/16/17 11:39	12/17/17 23:04	7439-92-1	
Selenium	<0.55	mg/kg	0.55	1	12/16/17 11:39	12/17/17 23:04	7782-49-2	
Silver	1.3	mg/kg	0.55	1	12/16/17 11:39	12/17/17 23:04	7440-22-4	D6
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.035	mg/kg	0.035	1	12/15/17 09:26	12/18/17 16:03	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Acenaphthene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	83-32-9	
Acenaphthylene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	208-96-8	
Anthracene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	120-12-7	
Benzo(a)anthracene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	56-55-3	
Benzo(a)pyrene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	50-32-8	
Benzo(b)fluoranthene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	205-99-2	
Benzo(g,h,i)perylene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	191-24-2	
Benzo(k)fluoranthene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	207-08-9	
4-Bromophenylphenyl ether	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	101-55-3	
Butylbenzylphthalate	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	85-68-7	
Carbazole	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	86-74-8	
4-Chloro-3-methylphenol	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	59-50-7	
4-Chloroaniline	<346	ug/kg	346	1	12/14/17 12:29	12/15/17 16:08	106-47-8	
bis(2-Chloroethoxy)methane	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	111-91-1	
bis(2-Chloroethyl) ether	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	111-44-4	
2-Chloronaphthalene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	91-58-7	
2-Chlorophenol	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	95-57-8	
4-Chlorophenylphenyl ether	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	7005-72-3	
Chrysene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	218-01-9	
Dibenz(a,h)anthracene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	53-70-3	
Dibenzofuran	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	132-64-9	
1,2-Dichlorobenzene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	95-50-1	
1,3-Dichlorobenzene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	541-73-1	
1,4-Dichlorobenzene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	106-46-7	
3,3'-Dichlorobenzidine	<346	ug/kg	346	1	12/14/17 12:29	12/15/17 16:08	91-94-1	
2,4-Dichlorophenol	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	120-83-2	
Diethylphthalate	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	84-66-2	
2,4-Dimethylphenol	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	105-67-9	
Dimethylphthalate	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	131-11-3	
Di-n-butylphthalate	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	84-74-2	
4,6-Dinitro-2-methylphenol	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	534-52-1	
2,4-Dinitrophenol	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	51-28-5	
2,4-Dinitrotoluene	<346	ug/kg	346	1	12/14/17 12:29	12/15/17 16:08	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-1 **Lab ID: 7037998001** Collected: 12/11/17 10:15 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,6-Dinitrotoluene	<346	ug/kg	346	1	12/14/17 12:29	12/15/17 16:08	606-20-2	
Di-n-octylphthalate	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	117-84-0	
bis(2-Ethylhexyl)phthalate	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	117-81-7	
Fluoranthene	117	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	206-44-0	
Fluorene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	86-73-7	
Hexachloro-1,3-butadiene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	87-68-3	
Hexachlorobenzene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	118-74-1	
Hexachlorocyclopentadiene	<346	ug/kg	346	1	12/14/17 12:29	12/15/17 16:08	77-47-4	IC
Hexachloroethane	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	67-72-1	
Indeno(1,2,3-cd)pyrene	71.4	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	193-39-5	
Isophorone	3040	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	78-59-1	
2-Methylnaphthalene	127	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	91-57-6	
2-Methylphenol(o-Cresol)	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	95-48-7	
3&4-Methylphenol(m&p Cresol)	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08		
Naphthalene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	91-20-3	
2-Nitroaniline	<346	ug/kg	346	1	12/14/17 12:29	12/15/17 16:08	88-74-4	
3-Nitroaniline	<346	ug/kg	346	1	12/14/17 12:29	12/15/17 16:08	99-09-2	
4-Nitroaniline	<346	ug/kg	346	1	12/14/17 12:29	12/15/17 16:08	100-01-6	
Nitrobenzene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	98-95-3	
2-Nitrophenol	<346	ug/kg	346	1	12/14/17 12:29	12/15/17 16:08	88-75-5	
4-Nitrophenol	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	100-02-7	
N-Nitroso-di-n-propylamine	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	621-64-7	
N-Nitrosodiphenylamine	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	86-30-6	
2,2'-Oxybis(1-chloropropane)	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	108-60-1	
Pentachlorophenol	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	87-86-5	
Phenanthrene	105	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	85-01-8	
Phenol	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	108-95-2	
Pyrene	93.1	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	129-00-0	
1,2,4-Trichlorobenzene	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	120-82-1	
2,4,5-Trichlorophenol	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	95-95-4	
2,4,6-Trichlorophenol	<70.3	ug/kg	70.3	1	12/14/17 12:29	12/15/17 16:08	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	62	%	23-120	1	12/14/17 12:29	12/15/17 16:08	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-115	1	12/14/17 12:29	12/15/17 16:08	321-60-8	
p-Terphenyl-d14 (S)	80	%	18-137	1	12/14/17 12:29	12/15/17 16:08	1718-51-0	
Phenol-d5 (S)	13	%	24-113	1	12/14/17 12:29	12/15/17 16:08	4165-62-2	S5
2-Fluorophenol (S)	1	%	25-121	1	12/14/17 12:29	12/15/17 16:08	367-12-4	S5
2,4,6-Tribromophenol (S)	0	%	19-122	1	12/14/17 12:29	12/15/17 16:08	118-79-6	S5
2-Chlorophenol-d4 (S)	0	%	20-130	1	12/14/17 12:29	12/15/17 16:08	93951-73-6	S5
1,2-Dichlorobenzene-d4 (S)	65	%	20-130	1	12/14/17 12:29	12/15/17 16:08	2199-69-1	

8260C MSV 5035A-L Low Level

Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L

Acetone	12.4	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	67-64-1	IH
Benzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	71-43-2	
Bromobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	108-86-1	
Bromochloromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-1 **Lab ID: 7037998001** Collected: 12/11/17 10:15 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromodichloromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	75-27-4	
Bromoform	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	75-25-2	
Bromomethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	74-83-9	
2-Butanone (MEK)	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	78-93-3	
n-Butylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	104-51-8	
sec-Butylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	135-98-8	
tert-Butylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	98-06-6	
Carbon tetrachloride	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	56-23-5	
Chlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	108-90-7	
Chlorodifluoromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	75-45-6	CL,N3
Chloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	75-00-3	
Chloroform	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	67-66-3	
Chloromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	74-87-3	CL
2-Chlorotoluene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	95-49-8	
4-Chlorotoluene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	96-12-8	CL
Dibromochloromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	124-48-1	
1,2-Dibromoethane (EDB)	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	106-93-4	
Dibromomethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	74-95-3	
1,2-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	95-50-1	
1,3-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	541-73-1	
1,4-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	106-46-7	
Dichlorodifluoromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	75-71-8	CL
1,1-Dichloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	75-34-3	
1,2-Dichloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	107-06-2	
1,1-Dichloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	75-35-4	
cis-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	156-59-2	
trans-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	156-60-5	
1,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	78-87-5	
1,3-Dichloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	142-28-9	
2,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	594-20-7	
1,1-Dichloropropene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	563-58-6	
cis-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	10061-01-5	
trans-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	10061-02-6	
Ethylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	100-41-4	
Hexachloro-1,3-butadiene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	87-68-3	
Isopropylbenzene (Cumene)	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	98-82-8	
p-Isopropyltoluene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	99-87-6	
Methylene Chloride	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	108-10-1	
Methyl-tert-butyl ether	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	1634-04-4	
Naphthalene	4.5	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	91-20-3	
n-Propylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	103-65-1	
Styrene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	100-42-5	
1,1,1,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	630-20-6	
1,1,2,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-1 **Lab ID: 7037998001** Collected: 12/11/17 10:15 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
Tetrachloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	127-18-4	
1,2,4,5-tetramethylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	95-93-2	N3
Toluene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	120-82-1	
1,1,1-Trichloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	71-55-6	
1,1,2-Trichloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	79-00-5	
Trichloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	79-01-6	
Trichlorofluoromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	75-69-4	
1,2,3-Trichloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	96-18-4	
1,1,2-Trichlorotrifluoroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	76-13-1	
1,2,4-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	95-63-6	
1,3,5-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	108-67-8	
Vinyl chloride	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	75-01-4	CL
Xylene (Total)	<4.3	ug/kg	4.3	1	12/14/17 08:06	12/14/17 13:51	1330-20-7	
m&p-Xylene	<4.3	ug/kg	4.3	1	12/14/17 08:06	12/14/17 13:51	179601-23-1	
o-Xylene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 13:51	95-47-6	
Surrogates								
Toluene-d8 (S)	103	%	43-157	1	12/14/17 08:06	12/14/17 13:51	2037-26-5	
4-Bromofluorobenzene (S)	102	%	34-145	1	12/14/17 08:06	12/14/17 13:51	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	33-150	1	12/14/17 08:06	12/14/17 13:51	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	4.8	%	0.10	1	12/14/17 00:30
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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-2 **Lab ID: 7037998002** Collected: 12/11/17 10:25 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Arsenic	2.8	mg/kg	0.57	1	12/16/17 11:39	12/17/17 23:32	7440-38-2	
Barium	79.7	mg/kg	11.4	1	12/16/17 11:39	12/17/17 23:32	7440-39-3	
Cadmium	0.38	mg/kg	0.14	1	12/16/17 11:39	12/17/17 23:32	7440-43-9	
Chromium	10.7	mg/kg	0.57	1	12/16/17 11:39	12/17/17 23:32	7440-47-3	
Lead	19.4	mg/kg	0.28	1	12/16/17 11:39	12/17/17 23:32	7439-92-1	
Selenium	0.67	mg/kg	0.57	1	12/16/17 11:39	12/17/17 23:32	7782-49-2	
Silver	2.3	mg/kg	0.57	1	12/16/17 11:39	12/17/17 23:32	7440-22-4	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.043	mg/kg	0.043	1	12/15/17 09:26	12/18/17 16:09	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Acenaphthene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	83-32-9	
Acenaphthylene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	208-96-8	
Anthracene	74.7	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	120-12-7	
Benzo(a)anthracene	175	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	56-55-3	
Benzo(a)pyrene	170	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	50-32-8	
Benzo(b)fluoranthene	257	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	205-99-2	
Benzo(g,h,i)perylene	92.1	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	191-24-2	
Benzo(k)fluoranthene	105	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	207-08-9	
4-Bromophenylphenyl ether	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	101-55-3	
Butylbenzylphthalate	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	85-68-7	
Carbazole	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	86-74-8	
4-Chloro-3-methylphenol	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	59-50-7	
4-Chloroaniline	<352	ug/kg	352	1	12/14/17 12:29	12/15/17 18:51	106-47-8	
bis(2-Chloroethoxy)methane	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	111-91-1	
bis(2-Chloroethyl) ether	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	111-44-4	
2-Chloronaphthalene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	91-58-7	
2-Chlorophenol	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	95-57-8	
4-Chlorophenylphenyl ether	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	7005-72-3	
Chrysene	205	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	218-01-9	
Dibenz(a,h)anthracene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	53-70-3	
Dibenzofuran	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	132-64-9	
1,2-Dichlorobenzene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	95-50-1	
1,3-Dichlorobenzene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	541-73-1	
1,4-Dichlorobenzene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	106-46-7	
3,3'-Dichlorobenzidine	<352	ug/kg	352	1	12/14/17 12:29	12/15/17 18:51	91-94-1	
2,4-Dichlorophenol	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	120-83-2	
Diethylphthalate	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	84-66-2	
2,4-Dimethylphenol	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	105-67-9	
Dimethylphthalate	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	131-11-3	
Di-n-butylphthalate	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	84-74-2	
4,6-Dinitro-2-methylphenol	<715	ug/kg	715	1	12/14/17 12:29	12/15/17 18:51	534-52-1	
2,4-Dinitrophenol	<715	ug/kg	715	1	12/14/17 12:29	12/15/17 18:51	51-28-5	
2,4-Dinitrotoluene	<352	ug/kg	352	1	12/14/17 12:29	12/15/17 18:51	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-2 **Lab ID: 7037998002** Collected: 12/11/17 10:25 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,6-Dinitrotoluene	<352	ug/kg	352	1	12/14/17 12:29	12/15/17 18:51	606-20-2	
Di-n-octylphthalate	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	117-84-0	
bis(2-Ethylhexyl)phthalate	85.1	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	117-81-7	
Fluoranthene	407	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	206-44-0	
Fluorene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	86-73-7	
Hexachloro-1,3-butadiene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	87-68-3	
Hexachlorobenzene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	118-74-1	
Hexachlorocyclopentadiene	<352	ug/kg	352	1	12/14/17 12:29	12/15/17 18:51	77-47-4	IC
Hexachloroethane	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	67-72-1	
Indeno(1,2,3-cd)pyrene	123	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	193-39-5	
Isophorone	1990	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	78-59-1	
2-Methylnaphthalene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	91-57-6	
2-Methylphenol(o-Cresol)	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51		
Naphthalene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	91-20-3	
2-Nitroaniline	<352	ug/kg	352	1	12/14/17 12:29	12/15/17 18:51	88-74-4	
3-Nitroaniline	<352	ug/kg	352	1	12/14/17 12:29	12/15/17 18:51	99-09-2	
4-Nitroaniline	<352	ug/kg	352	1	12/14/17 12:29	12/15/17 18:51	100-01-6	
Nitrobenzene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	98-95-3	
2-Nitrophenol	<352	ug/kg	352	1	12/14/17 12:29	12/15/17 18:51	88-75-5	
4-Nitrophenol	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	100-02-7	
N-Nitroso-di-n-propylamine	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	621-64-7	
N-Nitrosodiphenylamine	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	86-30-6	
2,2'-Oxybis(1-chloropropane)	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	108-60-1	
Pentachlorophenol	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	87-86-5	
Phenanthrene	408	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	85-01-8	
Phenol	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	108-95-2	
Pyrene	326	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	129-00-0	
1,2,4-Trichlorobenzene	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	120-82-1	
2,4,5-Trichlorophenol	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	95-95-4	
2,4,6-Trichlorophenol	<71.5	ug/kg	71.5	1	12/14/17 12:29	12/15/17 18:51	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	59	%	23-120	1	12/14/17 12:29	12/15/17 18:51	4165-60-0	
2-Fluorobiphenyl (S)	68	%	30-115	1	12/14/17 12:29	12/15/17 18:51	321-60-8	
p-Terphenyl-d14 (S)	83	%	18-137	1	12/14/17 12:29	12/15/17 18:51	1718-51-0	
Phenol-d5 (S)	33	%	24-113	1	12/14/17 12:29	12/15/17 18:51	4165-62-2	
2-Fluorophenol (S)	4	%	25-121	1	12/14/17 12:29	12/15/17 18:51	367-12-4	S5
2,4,6-Tribromophenol (S)	4	%	19-122	1	12/14/17 12:29	12/15/17 18:51	118-79-6	S5
2-Chlorophenol-d4 (S)	9	%	20-130	1	12/14/17 12:29	12/15/17 18:51	93951-73-6	S5
1,2-Dichlorobenzene-d4 (S)	64	%	20-130	1	12/14/17 12:29	12/15/17 18:51	2199-69-1	

8260C MSV 5035A-L Low Level

Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L

Acetone	10.4	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	67-64-1	IH
Benzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	71-43-2	
Bromobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	108-86-1	
Bromochloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-2 Lab ID: 7037998002 Collected: 12/11/17 10:25 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromodichloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	75-27-4	
Bromoform	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	75-25-2	
Bromomethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	74-83-9	
2-Butanone (MEK)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	78-93-3	
n-Butylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	104-51-8	
sec-Butylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	135-98-8	
tert-Butylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	98-06-6	
Carbon tetrachloride	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	56-23-5	
Chlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	108-90-7	
Chlorodifluoromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	75-45-6	CL,N3
Chloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	75-00-3	
Chloroform	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	67-66-3	
Chloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	74-87-3	CL
2-Chlorotoluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	95-49-8	
4-Chlorotoluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	106-43-4	
1,2-Dibromo-3-chloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	96-12-8	CL
Dibromochloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	124-48-1	
1,2-Dibromoethane (EDB)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	106-93-4	
Dibromomethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	74-95-3	
1,2-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	95-50-1	
1,3-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	541-73-1	
1,4-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	106-46-7	
Dichlorodifluoromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	75-71-8	CL
1,1-Dichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	75-34-3	
1,2-Dichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	107-06-2	
1,1-Dichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	75-35-4	
cis-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	156-59-2	
trans-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	156-60-5	
1,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	78-87-5	
1,3-Dichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	142-28-9	
2,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	594-20-7	
1,1-Dichloropropene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	563-58-6	
cis-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	10061-01-5	
trans-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	10061-02-6	
Ethylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	100-41-4	
Hexachloro-1,3-butadiene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	87-68-3	
Isopropylbenzene (Cumene)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	98-82-8	
p-Isopropyltoluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	99-87-6	
Methylene Chloride	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	108-10-1	
Methyl-tert-butyl ether	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	1634-04-4	
Naphthalene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	91-20-3	
n-Propylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	103-65-1	
Styrene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	100-42-5	
1,1,1,2-Tetrachloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	630-20-6	
1,1,2,2-Tetrachloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-2 **Lab ID: 7037998002** Collected: 12/11/17 10:25 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
Tetrachloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	127-18-4	
1,2,4,5-tetramethylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	95-93-2	N3
Toluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	108-88-3	
1,2,3-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	87-61-6	
1,2,4-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	120-82-1	
1,1,1-Trichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	71-55-6	
1,1,2-Trichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	79-00-5	
Trichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	79-01-6	
Trichlorofluoromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	75-69-4	
1,2,3-Trichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	96-18-4	
1,1,2-Trichlorotrifluoroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	76-13-1	
1,2,4-Trimethylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	95-63-6	
1,3,5-Trimethylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	108-67-8	
Vinyl chloride	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	75-01-4	CL
Xylene (Total)	<4.5	ug/kg	4.5	1	12/14/17 08:06	12/14/17 14:33	1330-20-7	
m&p-Xylene	<4.5	ug/kg	4.5	1	12/14/17 08:06	12/14/17 14:33	179601-23-1	
o-Xylene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:33	95-47-6	
Surrogates								
Toluene-d8 (S)	103	%	43-157	1	12/14/17 08:06	12/14/17 14:33	2037-26-5	
4-Bromofluorobenzene (S)	102	%	34-145	1	12/14/17 08:06	12/14/17 14:33	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	33-150	1	12/14/17 08:06	12/14/17 14:33	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	6.5	%	0.10	1	12/14/17 00:31
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-3 **Lab ID: 7037998003** Collected: 12/11/17 10:40 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Arsenic	3.4	mg/kg	0.55	1	12/16/17 11:39	12/17/17 23:48	7440-38-2	
Barium	49.6	mg/kg	11.0	1	12/16/17 11:39	12/17/17 23:48	7440-39-3	
Cadmium	0.40	mg/kg	0.14	1	12/16/17 11:39	12/17/17 23:48	7440-43-9	
Chromium	11.2	mg/kg	0.55	1	12/16/17 11:39	12/17/17 23:48	7440-47-3	
Lead	18.9	mg/kg	0.28	1	12/16/17 11:39	12/17/17 23:48	7439-92-1	
Selenium	0.96	mg/kg	0.55	1	12/16/17 11:39	12/17/17 23:48	7782-49-2	
Silver	2.5	mg/kg	0.55	1	12/16/17 11:39	12/17/17 23:48	7440-22-4	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	0.046	mg/kg	0.038	1	12/15/17 09:26	12/18/17 16:11	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Acenaphthene	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	83-32-9	
Acenaphthylene	76.6	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	208-96-8	
Anthracene	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	120-12-7	
Benzo(a)anthracene	264	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	56-55-3	
Benzo(a)pyrene	307	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	50-32-8	
Benzo(b)fluoranthene	471	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	205-99-2	
Benzo(g,h,i)perylene	164	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	191-24-2	
Benzo(k)fluoranthene	196	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	207-08-9	
4-Bromophenylphenyl ether	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	101-55-3	
Butylbenzylphthalate	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	85-68-7	
Carbazole	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	86-74-8	
4-Chloro-3-methylphenol	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	59-50-7	
4-Chloroaniline	<356	ug/kg	356	1	12/14/17 12:29	12/15/17 19:19	106-47-8	
bis(2-Chloroethoxy)methane	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	111-91-1	
bis(2-Chloroethyl) ether	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	111-44-4	
2-Chloronaphthalene	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	91-58-7	
2-Chlorophenol	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	95-57-8	
4-Chlorophenylphenyl ether	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	7005-72-3	
Chrysene	342	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	218-01-9	
Dibenz(a,h)anthracene	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	53-70-3	
Dibenzofuran	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	132-64-9	
1,2-Dichlorobenzene	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	95-50-1	
1,3-Dichlorobenzene	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	541-73-1	
1,4-Dichlorobenzene	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	106-46-7	
3,3'-Dichlorobenzidine	<356	ug/kg	356	1	12/14/17 12:29	12/15/17 19:19	91-94-1	
2,4-Dichlorophenol	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	120-83-2	
Diethylphthalate	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	84-66-2	
2,4-Dimethylphenol	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	105-67-9	
Dimethylphthalate	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	131-11-3	
Di-n-butylphthalate	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	84-74-2	
4,6-Dinitro-2-methylphenol	<723	ug/kg	723	1	12/14/17 12:29	12/15/17 19:19	534-52-1	
2,4-Dinitrophenol	<723	ug/kg	723	1	12/14/17 12:29	12/15/17 19:19	51-28-5	
2,4-Dinitrotoluene	<356	ug/kg	356	1	12/14/17 12:29	12/15/17 19:19	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-3 **Lab ID: 7037998003** Collected: 12/11/17 10:40 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,6-Dinitrotoluene	<356	ug/kg	356	1	12/14/17 12:29	12/15/17 19:19	606-20-2	
Di-n-octylphthalate	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	117-84-0	
bis(2-Ethylhexyl)phthalate	90.1	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	117-81-7	
Fluoranthene	620	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	206-44-0	
Fluorene	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	86-73-7	
Hexachloro-1,3-butadiene	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	87-68-3	
Hexachlorobenzene	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	118-74-1	
Hexachlorocyclopentadiene	<356	ug/kg	356	1	12/14/17 12:29	12/15/17 19:19	77-47-4	IC
Hexachloroethane	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	67-72-1	
Indeno(1,2,3-cd)pyrene	206	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	193-39-5	
Isophorone	5370	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	78-59-1	
2-Methylnaphthalene	122	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	91-57-6	
2-Methylphenol(o-Cresol)	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19		
Naphthalene	74.0	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	91-20-3	
2-Nitroaniline	<356	ug/kg	356	1	12/14/17 12:29	12/15/17 19:19	88-74-4	
3-Nitroaniline	<356	ug/kg	356	1	12/14/17 12:29	12/15/17 19:19	99-09-2	
4-Nitroaniline	<356	ug/kg	356	1	12/14/17 12:29	12/15/17 19:19	100-01-6	
Nitrobenzene	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	98-95-3	
2-Nitrophenol	<356	ug/kg	356	1	12/14/17 12:29	12/15/17 19:19	88-75-5	
4-Nitrophenol	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	100-02-7	
N-Nitroso-di-n-propylamine	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	621-64-7	
N-Nitrosodiphenylamine	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	86-30-6	
2,2'-Oxybis(1-chloropropane)	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	108-60-1	
Pentachlorophenol	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	87-86-5	
Phenanthrene	463	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	85-01-8	
Phenol	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	108-95-2	
Pyrene	523	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	129-00-0	
1,2,4-Trichlorobenzene	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	120-82-1	
2,4,5-Trichlorophenol	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	95-95-4	
2,4,6-Trichlorophenol	<72.3	ug/kg	72.3	1	12/14/17 12:29	12/15/17 19:19	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	60	%	23-120	1	12/14/17 12:29	12/15/17 19:19	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-115	1	12/14/17 12:29	12/15/17 19:19	321-60-8	
p-Terphenyl-d14 (S)	85	%	18-137	1	12/14/17 12:29	12/15/17 19:19	1718-51-0	
Phenol-d5 (S)	33	%	24-113	1	12/14/17 12:29	12/15/17 19:19	4165-62-2	
2-Fluorophenol (S)	3	%	25-121	1	12/14/17 12:29	12/15/17 19:19	367-12-4	S5
2,4,6-Tribromophenol (S)	1	%	19-122	1	12/14/17 12:29	12/15/17 19:19	118-79-6	S5
2-Chlorophenol-d4 (S)	6	%	20-130	1	12/14/17 12:29	12/15/17 19:19	93951-73-6	S5
1,2-Dichlorobenzene-d4 (S)	85	%	20-130	1	12/14/17 12:29	12/15/17 19:19	2199-69-1	

8260C MSV 5035A-L Low Level

Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L

Acetone	10.1	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	67-64-1	IH
Benzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	71-43-2	
Bromobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	108-86-1	
Bromochloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-3 Lab ID: 7037998003 Collected: 12/11/17 10:40 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromodichloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	75-27-4	
Bromoform	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	75-25-2	
Bromomethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	74-83-9	
2-Butanone (MEK)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	78-93-3	
n-Butylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	104-51-8	
sec-Butylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	135-98-8	
tert-Butylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	98-06-6	
Carbon tetrachloride	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	56-23-5	
Chlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	108-90-7	
Chlorodifluoromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	75-45-6	CL,N3
Chloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	75-00-3	
Chloroform	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	67-66-3	
Chloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	74-87-3	CL
2-Chlorotoluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	95-49-8	
4-Chlorotoluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	106-43-4	
1,2-Dibromo-3-chloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	96-12-8	CL
Dibromochloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	124-48-1	
1,2-Dibromoethane (EDB)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	106-93-4	
Dibromomethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	74-95-3	
1,2-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	95-50-1	
1,3-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	541-73-1	
1,4-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	106-46-7	
Dichlorodifluoromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	75-71-8	CL
1,1-Dichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	75-34-3	
1,2-Dichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	107-06-2	
1,1-Dichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	75-35-4	
cis-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	156-59-2	
trans-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	156-60-5	
1,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	78-87-5	
1,3-Dichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	142-28-9	
2,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	594-20-7	
1,1-Dichloropropene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	563-58-6	
cis-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	10061-01-5	
trans-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	10061-02-6	
Ethylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	100-41-4	
Hexachloro-1,3-butadiene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	87-68-3	
Isopropylbenzene (Cumene)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	98-82-8	
p-Isopropyltoluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	99-87-6	
Methylene Chloride	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	108-10-1	
Methyl-tert-butyl ether	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	1634-04-4	
Naphthalene	4.0	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	91-20-3	
n-Propylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	103-65-1	
Styrene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	100-42-5	
1,1,1,2-Tetrachloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	630-20-6	
1,1,2,2-Tetrachloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-3 **Lab ID: 7037998003** Collected: 12/11/17 10:40 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Tetrachloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	127-18-4	
1,2,4,5-tetramethylbenzene	2.5	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	95-93-2	N3
Toluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	108-88-3	
1,2,3-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	87-61-6	
1,2,4-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	120-82-1	
1,1,1-Trichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	71-55-6	
1,1,2-Trichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	79-00-5	
Trichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	79-01-6	
Trichlorofluoromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	75-69-4	
1,2,3-Trichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	96-18-4	
1,1,2-Trichlorotrifluoroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	76-13-1	
1,2,4-Trimethylbenzene	3.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	95-63-6	
1,3,5-Trimethylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	108-67-8	
Vinyl chloride	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	75-01-4	CL
Xylene (Total)	<4.6	ug/kg	4.6	1	12/14/17 08:06	12/14/17 14:53	1330-20-7	
m&p-Xylene	<4.6	ug/kg	4.6	1	12/14/17 08:06	12/14/17 14:53	179601-23-1	
o-Xylene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 14:53	95-47-6	
Surrogates								
Toluene-d8 (S)	104	%	43-157	1	12/14/17 08:06	12/14/17 14:53	2037-26-5	
4-Bromofluorobenzene (S)	102	%	34-145	1	12/14/17 08:06	12/14/17 14:53	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	33-150	1	12/14/17 08:06	12/14/17 14:53	17060-07-0	

Percent Moisture Analytical Method: ASTM D2216-92M

Percent Moisture	7.5	%	0.10	1	12/14/17 00:31
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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-4 **Lab ID: 7037998004** Collected: 12/11/17 10:55 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Arsenic	2.1	mg/kg	0.56	1	12/16/17 11:39	12/17/17 23:53	7440-38-2	
Barium	38.6	mg/kg	11.3	1	12/16/17 11:39	12/17/17 23:53	7440-39-3	
Cadmium	0.32	mg/kg	0.14	1	12/16/17 11:39	12/17/17 23:53	7440-43-9	
Chromium	8.9	mg/kg	0.56	1	12/16/17 11:39	12/17/17 23:53	7440-47-3	
Lead	6.6	mg/kg	0.28	1	12/16/17 11:39	12/17/17 23:53	7439-92-1	
Selenium	0.73	mg/kg	0.56	1	12/16/17 11:39	12/17/17 23:53	7782-49-2	
Silver	2.1	mg/kg	0.56	1	12/16/17 11:39	12/17/17 23:53	7440-22-4	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.040	mg/kg	0.040	1	12/15/17 09:26	12/18/17 16:13	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Acenaphthene	323	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	83-32-9	
Acenaphthylene	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	208-96-8	
Anthracene	555	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	120-12-7	
Benzo(a)anthracene	734	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	56-55-3	
Benzo(a)pyrene	560	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	50-32-8	
Benzo(b)fluoranthene	817	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	205-99-2	
Benzo(g,h,i)perylene	208	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	191-24-2	
Benzo(k)fluoranthene	331	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	207-08-9	
4-Bromophenylphenyl ether	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	101-55-3	
Butylbenzylphthalate	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	85-68-7	
Carbazole	294	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	86-74-8	
4-Chloro-3-methylphenol	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	59-50-7	
4-Chloroaniline	<344	ug/kg	344	1	12/14/17 12:29	12/15/17 17:57	106-47-8	
bis(2-Chloroethoxy)methane	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	111-91-1	
bis(2-Chloroethyl) ether	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	111-44-4	
2-Chloronaphthalene	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	91-58-7	
2-Chlorophenol	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	95-57-8	
4-Chlorophenylphenyl ether	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	7005-72-3	
Chrysene	687	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	218-01-9	
Dibenz(a,h)anthracene	81.1	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	53-70-3	
Dibenzofuran	311	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	132-64-9	
1,2-Dichlorobenzene	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	95-50-1	
1,3-Dichlorobenzene	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	541-73-1	
1,4-Dichlorobenzene	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	106-46-7	
3,3'-Dichlorobenzidine	<344	ug/kg	344	1	12/14/17 12:29	12/15/17 17:57	91-94-1	
2,4-Dichlorophenol	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	120-83-2	
Diethylphthalate	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	84-66-2	
2,4-Dimethylphenol	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	105-67-9	
Dimethylphthalate	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	131-11-3	
Di-n-butylphthalate	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	84-74-2	
4,6-Dinitro-2-methylphenol	<698	ug/kg	698	1	12/14/17 12:29	12/15/17 17:57	534-52-1	
2,4-Dinitrophenol	<698	ug/kg	698	1	12/14/17 12:29	12/15/17 17:57	51-28-5	
2,4-Dinitrotoluene	<344	ug/kg	344	1	12/14/17 12:29	12/15/17 17:57	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-4 **Lab ID: 7037998004** Collected: 12/11/17 10:55 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,6-Dinitrotoluene	<344	ug/kg	344	1	12/14/17 12:29	12/15/17 17:57	606-20-2	
Di-n-octylphthalate	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	117-84-0	
bis(2-Ethylhexyl)phthalate	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	117-81-7	
Fluoranthene	1440	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	206-44-0	
Fluorene	341	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	86-73-7	
Hexachloro-1,3-butadiene	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	87-68-3	
Hexachlorobenzene	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	118-74-1	
Hexachlorocyclopentadiene	<344	ug/kg	344	1	12/14/17 12:29	12/15/17 17:57	77-47-4	IC
Hexachloroethane	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	67-72-1	
Indeno(1,2,3-cd)pyrene	287	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	193-39-5	
Isophorone	1100	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	78-59-1	
2-Methylnaphthalene	313	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	91-57-6	
2-Methylphenol(o-Cresol)	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	95-48-7	
3&4-Methylphenol(m&p Cresol)	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57		
Naphthalene	565	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	91-20-3	
2-Nitroaniline	<344	ug/kg	344	1	12/14/17 12:29	12/15/17 17:57	88-74-4	
3-Nitroaniline	<344	ug/kg	344	1	12/14/17 12:29	12/15/17 17:57	99-09-2	
4-Nitroaniline	<344	ug/kg	344	1	12/14/17 12:29	12/15/17 17:57	100-01-6	
Nitrobenzene	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	98-95-3	
2-Nitrophenol	<344	ug/kg	344	1	12/14/17 12:29	12/15/17 17:57	88-75-5	
4-Nitrophenol	<698	ug/kg	698	1	12/14/17 12:29	12/15/17 17:57	100-02-7	
N-Nitroso-di-n-propylamine	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	621-64-7	
N-Nitrosodiphenylamine	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	86-30-6	
2,2'-Oxybis(1-chloropropane)	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	108-60-1	
Pentachlorophenol	<698	ug/kg	698	1	12/14/17 12:29	12/15/17 17:57	87-86-5	
Phenanthrene	1740	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	85-01-8	
Phenol	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	108-95-2	
Pyrene	1150	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	129-00-0	
1,2,4-Trichlorobenzene	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	120-82-1	
2,4,5-Trichlorophenol	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	95-95-4	
2,4,6-Trichlorophenol	<69.8	ug/kg	69.8	1	12/14/17 12:29	12/15/17 17:57	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	53	%	23-120	1	12/14/17 12:29	12/15/17 17:57	4165-60-0	
2-Fluorobiphenyl (S)	66	%	30-115	1	12/14/17 12:29	12/15/17 17:57	321-60-8	
p-Terphenyl-d14 (S)	77	%	18-137	1	12/14/17 12:29	12/15/17 17:57	1718-51-0	
Phenol-d5 (S)	33	%	24-113	1	12/14/17 12:29	12/15/17 17:57	4165-62-2	
2-Fluorophenol (S)	3	%	25-121	1	12/14/17 12:29	12/15/17 17:57	367-12-4	S5
2,4,6-Tribromophenol (S)	1	%	19-122	1	12/14/17 12:29	12/15/17 17:57	118-79-6	S5
2-Chlorophenol-d4 (S)	6	%	20-130	1	12/14/17 12:29	12/15/17 17:57	93951-73-6	S5
1,2-Dichlorobenzene-d4 (S)	62	%	20-130	1	12/14/17 12:29	12/15/17 17:57	2199-69-1	

8260C MSV 5035A-L Low Level

Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L

Acetone	14.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	67-64-1	IH
Benzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	71-43-2	
Bromobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	108-86-1	
Bromochloromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-4 **Lab ID: 7037998004** Collected: 12/11/17 10:55 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromodichloromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	75-27-4	
Bromoform	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	75-25-2	
Bromomethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	74-83-9	
2-Butanone (MEK)	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	78-93-3	
n-Butylbenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	104-51-8	
sec-Butylbenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	135-98-8	
tert-Butylbenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	98-06-6	
Carbon tetrachloride	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	56-23-5	
Chlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	108-90-7	
Chlorodifluoromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	75-45-6	CL,N3
Chloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	75-00-3	
Chloroform	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	67-66-3	
Chloromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	74-87-3	CL
2-Chlorotoluene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	95-49-8	
4-Chlorotoluene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	106-43-4	
1,2-Dibromo-3-chloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	96-12-8	CL
Dibromochloromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	124-48-1	
1,2-Dibromoethane (EDB)	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	106-93-4	
Dibromomethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	74-95-3	
1,2-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	95-50-1	
1,3-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	541-73-1	
1,4-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	106-46-7	
Dichlorodifluoromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	75-71-8	CL
1,1-Dichloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	75-34-3	
1,2-Dichloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	107-06-2	
1,1-Dichloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	75-35-4	
cis-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	156-59-2	
trans-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	156-60-5	
1,2-Dichloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	78-87-5	
1,3-Dichloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	142-28-9	
2,2-Dichloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	594-20-7	
1,1-Dichloropropene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	563-58-6	
cis-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	10061-01-5	
trans-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	10061-02-6	
Ethylbenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	87-68-3	
Isopropylbenzene (Cumene)	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	98-82-8	
p-Isopropyltoluene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	99-87-6	
Methylene Chloride	<2.1	Methyl/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	108-10-1	
Methyl-tert-butyl ether	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	1634-04-4	
Naphthalene	42.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	91-20-3	
n-Propylbenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	103-65-1	
Styrene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	100-42-5	
1,1,1,2-Tetrachloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	630-20-6	
1,1,2,2-Tetrachloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-4 **Lab ID: 7037998004** Collected: 12/11/17 10:55 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
Tetrachloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	127-18-4	
1,2,4,5-tetramethylbenzene	2.4	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	95-93-2	N3
Toluene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	87-61-6	
1,2,4-Trichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	120-82-1	
1,1,1-Trichloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	71-55-6	
1,1,2-Trichloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	79-00-5	
Trichloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	79-01-6	
Trichlorofluoromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	75-69-4	
1,2,3-Trichloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	96-18-4	
1,1,2-Trichlorotrifluoroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	76-13-1	
1,2,4-Trimethylbenzene	3.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	95-63-6	
1,3,5-Trimethylbenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	108-67-8	
Vinyl chloride	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	75-01-4	CL
Xylene (Total)	<4.2	ug/kg	4.2	1	12/14/17 08:06	12/14/17 15:14	1330-20-7	
m&p-Xylene	<4.2	ug/kg	4.2	1	12/14/17 08:06	12/14/17 15:14	179601-23-1	
o-Xylene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 15:14	95-47-6	
Surrogates								
Toluene-d8 (S)	102	%	43-157	1	12/14/17 08:06	12/14/17 15:14	2037-26-5	
4-Bromofluorobenzene (S)	99	%	34-145	1	12/14/17 08:06	12/14/17 15:14	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	33-150	1	12/14/17 08:06	12/14/17 15:14	17060-07-0	

Percent Moisture Analytical Method: ASTM D2216-92M

Percent Moisture	4.0	%	0.10	1	12/14/17 00:31
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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-5 **Lab ID: 7037998005** Collected: 12/11/17 11:10 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Arsenic	2.1	mg/kg	0.57	1	12/16/17 11:39	12/17/17 23:59	7440-38-2	
Barium	42.3	mg/kg	11.5	1	12/16/17 11:39	12/17/17 23:59	7440-39-3	
Cadmium	0.54	mg/kg	0.14	1	12/16/17 11:39	12/17/17 23:59	7440-43-9	
Chromium	16.4	mg/kg	0.57	1	12/16/17 11:39	12/17/17 23:59	7440-47-3	
Lead	16.3	mg/kg	0.29	1	12/16/17 11:39	12/17/17 23:59	7439-92-1	
Selenium	0.78	mg/kg	0.57	1	12/16/17 11:39	12/17/17 23:59	7782-49-2	
Silver	2.6	mg/kg	0.57	1	12/16/17 11:39	12/17/17 23:59	7440-22-4	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	0.043	mg/kg	0.042	1	12/15/17 09:26	12/18/17 16:21	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Acenaphthene	417	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	83-32-9	
Acenaphthylene	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	208-96-8	
Anthracene	2060	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	120-12-7	
Benzo(a)anthracene	7010	ug/kg	358	5	12/14/17 12:29	12/18/17 14:48	56-55-3	
Benzo(a)pyrene	2670	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	50-32-8	
Benzo(b)fluoranthene	7130	ug/kg	358	5	12/14/17 12:29	12/18/17 14:48	205-99-2	
Benzo(g,h,i)perylene	1300	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	191-24-2	
Benzo(k)fluoranthene	3150	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	207-08-9	
4-Bromophenylphenyl ether	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	101-55-3	
Butylbenzylphthalate	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	85-68-7	
Carbazole	424	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	86-74-8	
4-Chloro-3-methylphenol	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	59-50-7	
4-Chloroaniline	<353	ug/kg	353	1	12/14/17 12:29	12/18/17 14:20	106-47-8	
bis(2-Chloroethoxy)methane	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	111-91-1	
bis(2-Chloroethyl) ether	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	111-44-4	
2-Chloronaphthalene	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	91-58-7	
2-Chlorophenol	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	95-57-8	
4-Chlorophenylphenyl ether	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	7005-72-3	
Chrysene	4570	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	218-01-9	
Dibenz(a,h)anthracene	596	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	53-70-3	
Dibenzofuran	214	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	132-64-9	
1,2-Dichlorobenzene	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	95-50-1	
1,3-Dichlorobenzene	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	541-73-1	
1,4-Dichlorobenzene	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	106-46-7	
3,3'-Dichlorobenzidine	<353	ug/kg	353	1	12/14/17 12:29	12/18/17 14:20	91-94-1	
2,4-Dichlorophenol	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	120-83-2	
Diethylphthalate	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	84-66-2	
2,4-Dimethylphenol	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	105-67-9	
Dimethylphthalate	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	131-11-3	
Di-n-butylphthalate	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	84-74-2	
4,6-Dinitro-2-methylphenol	<717	ug/kg	717	1	12/14/17 12:29	12/18/17 14:20	534-52-1	
2,4-Dinitrophenol	<717	ug/kg	717	1	12/14/17 12:29	12/18/17 14:20	51-28-5	
2,4-Dinitrotoluene	<353	ug/kg	353	1	12/14/17 12:29	12/18/17 14:20	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-5 **Lab ID: 7037998005** Collected: 12/11/17 11:10 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,6-Dinitrotoluene	<353	ug/kg	353	1	12/14/17 12:29	12/18/17 14:20	606-20-2	
Di-n-octylphthalate	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	117-84-0	
bis(2-Ethylhexyl)phthalate	210	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	117-81-7	
Fluoranthene	9540	ug/kg	358	5	12/14/17 12:29	12/18/17 14:48	206-44-0	
Fluorene	383	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	86-73-7	
Hexachloro-1,3-butadiene	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	87-68-3	
Hexachlorobenzene	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	118-74-1	
Hexachlorocyclopentadiene	<353	ug/kg	353	1	12/14/17 12:29	12/18/17 14:20	77-47-4	IC
Hexachloroethane	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	67-72-1	
Indeno(1,2,3-cd)pyrene	1750	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	193-39-5	
Isophorone	1650	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	78-59-1	
2-Methylnaphthalene	115	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	91-57-6	
2-Methylphenol(o-Cresol)	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20		
Naphthalene	116	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	91-20-3	
2-Nitroaniline	<353	ug/kg	353	1	12/14/17 12:29	12/18/17 14:20	88-74-4	
3-Nitroaniline	<353	ug/kg	353	1	12/14/17 12:29	12/18/17 14:20	99-09-2	
4-Nitroaniline	<353	ug/kg	353	1	12/14/17 12:29	12/18/17 14:20	100-01-6	
Nitrobenzene	179	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	98-95-3	
2-Nitrophenol	<353	ug/kg	353	1	12/14/17 12:29	12/18/17 14:20	88-75-5	
4-Nitrophenol	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	100-02-7	
N-Nitroso-di-n-propylamine	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	621-64-7	
N-Nitrosodiphenylamine	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	86-30-6	
2,2'-Oxybis(1-chloropropane)	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	108-60-1	
Pentachlorophenol	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	87-86-5	
Phenanthrene	4460	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	85-01-8	
Phenol	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	108-95-2	
Pyrene	8180	ug/kg	358	5	12/14/17 12:29	12/18/17 14:48	129-00-0	
1,2,4-Trichlorobenzene	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	120-82-1	
2,4,5-Trichlorophenol	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	95-95-4	
2,4,6-Trichlorophenol	<71.7	ug/kg	71.7	1	12/14/17 12:29	12/18/17 14:20	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	63	%	23-120	1	12/14/17 12:29	12/18/17 14:20	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-115	1	12/14/17 12:29	12/18/17 14:20	321-60-8	
p-Terphenyl-d14 (S)	87	%	18-137	1	12/14/17 12:29	12/18/17 14:20	1718-51-0	
Phenol-d5 (S)	52	%	24-113	1	12/14/17 12:29	12/18/17 14:20	4165-62-2	
2-Fluorophenol (S)	12	%	25-121	1	12/14/17 12:29	12/18/17 14:20	367-12-4	S5
2,4,6-Tribromophenol (S)	3	%	19-122	1	12/14/17 12:29	12/18/17 14:20	118-79-6	S5
2-Chlorophenol-d4 (S)	24	%	20-130	1	12/14/17 12:29	12/18/17 14:20	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	66	%	20-130	1	12/14/17 12:29	12/18/17 14:20	2199-69-1	

8260C MSV 5035A-L Low Level

Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L

Acetone	10.9	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	67-64-1	D6,IH
Benzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	71-43-2	
Bromobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	108-86-1	
Bromochloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-5 Lab ID: 7037998005 Collected: 12/11/17 11:10 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromodichloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	75-27-4	
Bromoform	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	75-25-2	
Bromomethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	74-83-9	
2-Butanone (MEK)	2.7	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	78-93-3	
n-Butylbenzene	5.6	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	104-51-8	D6
sec-Butylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	135-98-8	
tert-Butylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	98-06-6	
Carbon tetrachloride	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	56-23-5	
Chlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	108-90-7	
Chlorodifluoromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	75-45-6	CL,N3
Chloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	75-00-3	
Chloroform	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	67-66-3	
Chloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	74-87-3	CL
2-Chlorotoluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	95-49-8	
4-Chlorotoluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	106-43-4	
1,2-Dibromo-3-chloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	96-12-8	CL
Dibromochloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	124-48-1	
1,2-Dibromoethane (EDB)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	106-93-4	
Dibromomethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	74-95-3	
1,2-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	95-50-1	
1,3-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	541-73-1	
1,4-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	106-46-7	
Dichlorodifluoromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	75-71-8	CL
1,1-Dichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	75-34-3	
1,2-Dichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	107-06-2	
1,1-Dichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	75-35-4	
cis-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	156-59-2	
trans-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	156-60-5	
1,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	78-87-5	
1,3-Dichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	142-28-9	
2,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	594-20-7	
1,1-Dichloropropene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	563-58-6	
cis-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	10061-01-5	
trans-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	10061-02-6	
Ethylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	100-41-4	
Hexachloro-1,3-butadiene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	87-68-3	
Isopropylbenzene (Cumene)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	98-82-8	
p-Isopropyltoluene	2.5	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	99-87-6	
Methylene Chloride	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	108-10-1	
Methyl-tert-butyl ether	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	1634-04-4	
Naphthalene	13.4	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	91-20-3	D6
n-Propylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	103-65-1	
Styrene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	100-42-5	
1,1,1,2-Tetrachloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	630-20-6	
1,1,2,2-Tetrachloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	79-34-5	

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-5 Lab ID: 7037998005 Collected: 12/11/17 11:10 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
Tetrachloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	127-18-4	
1,2,4,5-tetramethylbenzene	13.4	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	95-93-2	D6,N3
Toluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	108-88-3	
1,2,3-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	87-61-6	
1,2,4-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	120-82-1	
1,1,1-Trichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	71-55-6	
1,1,2-Trichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	79-00-5	
Trichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	79-01-6	
Trichlorofluoromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	75-69-4	
1,2,3-Trichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	96-18-4	
1,1,2-Trichlorotrifluoroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	76-13-1	
1,2,4-Trimethylbenzene	10	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	95-63-6	D6
1,3,5-Trimethylbenzene	3.5	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	108-67-8	
Vinyl chloride	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	75-01-4	CL
Xylene (Total)	<4.5	ug/kg	4.5	1	12/14/17 08:06	12/14/17 15:35	1330-20-7	
m&p-Xylene	<4.5	ug/kg	4.5	1	12/14/17 08:06	12/14/17 15:35	179601-23-1	
o-Xylene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:35	95-47-6	
Surrogates								
Toluene-d8 (S)	103	%	43-157	1	12/14/17 08:06	12/14/17 15:35	2037-26-5	
4-Bromofluorobenzene (S)	101	%	34-145	1	12/14/17 08:06	12/14/17 15:35	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	33-150	1	12/14/17 08:06	12/14/17 15:35	17060-07-0	

Percent Moisture Analytical Method: ASTM D2216-92M

Percent Moisture	6.9	%	0.10	1	12/14/17 00:31
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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-6 **Lab ID: 7037998006** Collected: 12/11/17 11:30 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Arsenic	2.5	mg/kg	0.58	1	12/16/17 11:39	12/18/17 00:05	7440-38-2	
Barium	47.5	mg/kg	11.5	1	12/16/17 11:39	12/18/17 00:05	7440-39-3	
Cadmium	0.34	mg/kg	0.14	1	12/16/17 11:39	12/18/17 00:05	7440-43-9	
Chromium	11.8	mg/kg	0.58	1	12/16/17 11:39	12/18/17 00:05	7440-47-3	
Lead	14.7	mg/kg	0.29	1	12/16/17 11:39	12/18/17 00:05	7439-92-1	
Selenium	0.76	mg/kg	0.58	1	12/16/17 11:39	12/18/17 00:05	7782-49-2	
Silver	2.6	mg/kg	0.58	1	12/16/17 11:39	12/18/17 00:05	7440-22-4	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.039	mg/kg	0.039	1	12/15/17 09:26	12/18/17 16:23	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Acenaphthene	103	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	83-32-9	
Acenaphthylene	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	208-96-8	
Anthracene	323	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	120-12-7	
Benzo(a)anthracene	846	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	56-55-3	
Benzo(a)pyrene	699	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	50-32-8	
Benzo(b)fluoranthene	1070	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	205-99-2	
Benzo(g,h,i)perylene	244	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	191-24-2	
Benzo(k)fluoranthene	491	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	207-08-9	
4-Bromophenylphenyl ether	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	101-55-3	
Butylbenzylphthalate	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	85-68-7	
Carbazole	117	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	86-74-8	
4-Chloro-3-methylphenol	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	59-50-7	
4-Chloroaniline	<358	ug/kg	358	1	12/14/17 12:29	12/15/17 19:48	106-47-8	
bis(2-Chloroethoxy)methane	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	111-91-1	
bis(2-Chloroethyl) ether	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	111-44-4	
2-Chloronaphthalene	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	91-58-7	
2-Chlorophenol	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	95-57-8	
4-Chlorophenylphenyl ether	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	7005-72-3	
Chrysene	899	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	218-01-9	
Dibenz(a,h)anthracene	87.3	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	53-70-3	
Dibenzofuran	99.0	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	132-64-9	
1,2-Dichlorobenzene	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	95-50-1	
1,3-Dichlorobenzene	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	541-73-1	
1,4-Dichlorobenzene	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	106-46-7	
3,3'-Dichlorobenzidine	<358	ug/kg	358	1	12/14/17 12:29	12/15/17 19:48	91-94-1	
2,4-Dichlorophenol	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	120-83-2	
Diethylphthalate	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	84-66-2	
2,4-Dimethylphenol	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	105-67-9	
Dimethylphthalate	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	131-11-3	
Di-n-butylphthalate	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	84-74-2	
4,6-Dinitro-2-methylphenol	<726	ug/kg	726	1	12/14/17 12:29	12/15/17 19:48	534-52-1	
2,4-Dinitrophenol	<726	ug/kg	726	1	12/14/17 12:29	12/15/17 19:48	51-28-5	
2,4-Dinitrotoluene	<358	ug/kg	358	1	12/14/17 12:29	12/15/17 19:48	121-14-2	

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-6 **Lab ID: 7037998006** Collected: 12/11/17 11:30 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,6-Dinitrotoluene	<358	ug/kg	358	1	12/14/17 12:29	12/15/17 19:48	606-20-2	
Di-n-octylphthalate	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	117-84-0	
bis(2-Ethylhexyl)phthalate	103	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	117-81-7	
Fluoranthene	1480	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	206-44-0	
Fluorene	114	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	86-73-7	
Hexachloro-1,3-butadiene	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	87-68-3	
Hexachlorobenzene	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	118-74-1	
Hexachlorocyclopentadiene	<358	ug/kg	358	1	12/14/17 12:29	12/15/17 19:48	67-47-4	IC
Hexachloroethane	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	67-72-1	
Indeno(1,2,3-cd)pyrene	338	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	193-39-5	
Isophorone	2520	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	78-59-1	
2-Methylnaphthalene	93.2	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	91-57-6	
2-Methylphenol(o-Cresol)	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48		
Naphthalene	120	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	91-20-3	
2-Nitroaniline	<358	ug/kg	358	1	12/14/17 12:29	12/15/17 19:48	88-74-4	
3-Nitroaniline	<358	ug/kg	358	1	12/14/17 12:29	12/15/17 19:48	99-09-2	
4-Nitroaniline	<358	ug/kg	358	1	12/14/17 12:29	12/15/17 19:48	100-01-6	
Nitrobenzene	306	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	98-95-3	
2-Nitrophenol	<358	ug/kg	358	1	12/14/17 12:29	12/15/17 19:48	88-75-5	
4-Nitrophenol	<726	ug/kg	726	1	12/14/17 12:29	12/15/17 19:48	100-02-7	
N-Nitroso-di-n-propylamine	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	621-64-7	
N-Nitrosodiphenylamine	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	86-30-6	
2,2'-Oxybis(1-chloropropane)	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	108-60-1	
Pentachlorophenol	<726	ug/kg	726	1	12/14/17 12:29	12/15/17 19:48	87-86-5	
Phenanthrene	1020	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	85-01-8	
Phenol	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	108-95-2	
Pyrene	1260	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	129-00-0	
1,2,4-Trichlorobenzene	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	120-82-1	
2,4,5-Trichlorophenol	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	95-95-4	
2,4,6-Trichlorophenol	<72.6	ug/kg	72.6	1	12/14/17 12:29	12/15/17 19:48	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	57	%	23-120	1	12/14/17 12:29	12/15/17 19:48	4165-60-0	
2-Fluorobiphenyl (S)	71	%	30-115	1	12/14/17 12:29	12/15/17 19:48	321-60-8	
p-Terphenyl-d14 (S)	85	%	18-137	1	12/14/17 12:29	12/15/17 19:48	1718-51-0	
Phenol-d5 (S)	31	%	24-113	1	12/14/17 12:29	12/15/17 19:48	4165-62-2	
2-Fluorophenol (S)	4	%	25-121	1	12/14/17 12:29	12/15/17 19:48	367-12-4	S5
2,4,6-Tribromophenol (S)	1	%	19-122	1	12/14/17 12:29	12/15/17 19:48	118-79-6	S5
2-Chlorophenol-d4 (S)	8	%	20-130	1	12/14/17 12:29	12/15/17 19:48	93951-73-6	S5
1,2-Dichlorobenzene-d4 (S)	64	%	20-130	1	12/14/17 12:29	12/15/17 19:48	2199-69-1	

8260C MSV 5035A-L Low Level

Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L

Acetone	18.6	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	67-64-1	IH
Benzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	71-43-2	
Bromobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	108-86-1	
Bromochloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-6 **Lab ID: 7037998006** Collected: 12/11/17 11:30 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromodichloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	75-27-4	
Bromoform	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	75-25-2	
Bromomethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	74-83-9	
2-Butanone (MEK)	3.9	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	78-93-3	
n-Butylbenzene	8.5	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	104-51-8	
sec-Butylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	135-98-8	
tert-Butylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	98-06-6	
Carbon tetrachloride	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	56-23-5	
Chlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	108-90-7	
Chlorodifluoromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	75-45-6	CL,N3
Chloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	75-00-3	
Chloroform	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	67-66-3	
Chloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	74-87-3	CL
2-Chlorotoluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	95-49-8	
4-Chlorotoluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	106-43-4	
1,2-Dibromo-3-chloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	96-12-8	CL
Dibromochloromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	124-48-1	
1,2-Dibromoethane (EDB)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	106-93-4	
Dibromomethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	74-95-3	
1,2-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	95-50-1	
1,3-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	541-73-1	
1,4-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	106-46-7	
Dichlorodifluoromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	75-71-8	CL
1,1-Dichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	75-34-3	
1,2-Dichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	107-06-2	
1,1-Dichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	75-35-4	
cis-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	156-59-2	
trans-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	156-60-5	
1,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	78-87-5	
1,3-Dichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	142-28-9	
2,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	594-20-7	
1,1-Dichloropropene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	563-58-6	
cis-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	10061-01-5	
trans-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	10061-02-6	
Ethylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	100-41-4	
Hexachloro-1,3-butadiene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	87-68-3	
Isopropylbenzene (Cumene)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	98-82-8	
p-Isopropyltoluene	3.6	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	99-87-6	
Methylene Chloride	<2.3	Methylug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	108-10-1	
Methyl-tert-butyl ether	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	1634-04-4	
Naphthalene	20.6	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	91-20-3	
n-Propylbenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	103-65-1	
Styrene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	100-42-5	
1,1,1,2-Tetrachloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	630-20-6	
1,1,2,2-Tetrachloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	79-34-5	M1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-6 **Lab ID: 7037998006** Collected: 12/11/17 11:30 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Tetrachloroethene	4.1	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	127-18-4	
1,2,4,5-tetramethylbenzene	21.9	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	95-93-2	N3
Toluene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	108-88-3	
1,2,3-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	87-61-6	
1,2,4-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	120-82-1	
1,1,1-Trichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	71-55-6	
1,1,2-Trichloroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	79-00-5	
Trichloroethene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	79-01-6	M1
Trichlorofluoromethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	75-69-4	
1,2,3-Trichloropropane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	96-18-4	
1,1,2-Trichlorotrifluoroethane	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	76-13-1	
1,2,4-Trimethylbenzene	13.6	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	95-63-6	
1,3,5-Trimethylbenzene	4.9	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	108-67-8	
Vinyl chloride	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	75-01-4	CL
Xylene (Total)	<4.6	ug/kg	4.6	1	12/14/17 08:06	12/14/17 15:56	1330-20-7	
m&p-Xylene	<4.6	ug/kg	4.6	1	12/14/17 08:06	12/14/17 15:56	179601-23-1	
o-Xylene	<2.3	ug/kg	2.3	1	12/14/17 08:06	12/14/17 15:56	95-47-6	
Surrogates								
Toluene-d8 (S)	102	%	43-157	1	12/14/17 08:06	12/14/17 15:56	2037-26-5	
4-Bromofluorobenzene (S)	98	%	34-145	1	12/14/17 08:06	12/14/17 15:56	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	33-150	1	12/14/17 08:06	12/14/17 15:56	17060-07-0	

Percent Moisture Analytical Method: ASTM D2216-92M

Percent Moisture	7.8	%	0.10	1	12/14/17 00:31
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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-7 **Lab ID: 7037998007** Collected: 12/11/17 11:45 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Arsenic	5.3	mg/kg	0.57	1	12/16/17 11:39	12/18/17 00:10	7440-38-2	
Barium	40.8	mg/kg	11.3	1	12/16/17 11:39	12/18/17 00:10	7440-39-3	
Cadmium	0.26	mg/kg	0.14	1	12/16/17 11:39	12/18/17 00:10	7440-43-9	
Chromium	8.2	mg/kg	0.57	1	12/16/17 11:39	12/18/17 00:10	7440-47-3	
Lead	5.8	mg/kg	0.28	1	12/16/17 11:39	12/18/17 00:10	7439-92-1	
Selenium	0.68	mg/kg	0.57	1	12/16/17 11:39	12/18/17 00:10	7782-49-2	
Silver	2.2	mg/kg	0.57	1	12/16/17 11:39	12/18/17 00:10	7440-22-4	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.040	mg/kg	0.040	1	12/15/17 09:26	12/18/17 16:25	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Acenaphthene	239	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	83-32-9	
Acenaphthylene	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	208-96-8	
Anthracene	390	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	120-12-7	
Benzo(a)anthracene	576	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	56-55-3	
Benzo(a)pyrene	430	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	50-32-8	
Benzo(b)fluoranthene	679	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	205-99-2	
Benzo(g,h,i)perylene	157	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	191-24-2	
Benzo(k)fluoranthene	257	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	207-08-9	
4-Bromophenylphenyl ether	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	101-55-3	
Butylbenzylphthalate	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	85-68-7	
Carbazole	202	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	86-74-8	
4-Chloro-3-methylphenol	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	59-50-7	
4-Chloroaniline	<351	ug/kg	351	1	12/14/17 12:29	12/15/17 18:24	106-47-8	
bis(2-Chloroethoxy)methane	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	111-91-1	
bis(2-Chloroethyl) ether	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	111-44-4	
2-Chloronaphthalene	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	91-58-7	
2-Chlorophenol	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	95-57-8	
4-Chlorophenylphenyl ether	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	7005-72-3	
Chrysene	566	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	218-01-9	
Dibenz(a,h)anthracene	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	53-70-3	
Dibenzofuran	203	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	132-64-9	
1,2-Dichlorobenzene	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	95-50-1	
1,3-Dichlorobenzene	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	541-73-1	
1,4-Dichlorobenzene	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	106-46-7	
3,3'-Dichlorobenzidine	<351	ug/kg	351	1	12/14/17 12:29	12/15/17 18:24	91-94-1	
2,4-Dichlorophenol	87.9	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	120-83-2	
Diethylphthalate	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	84-66-2	
2,4-Dimethylphenol	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	105-67-9	
Dimethylphthalate	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	131-11-3	
Di-n-butylphthalate	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	84-74-2	
4,6-Dinitro-2-methylphenol	<712	ug/kg	712	1	12/14/17 12:29	12/15/17 18:24	534-52-1	
2,4-Dinitrophenol	<712	ug/kg	712	1	12/14/17 12:29	12/15/17 18:24	51-28-5	
2,4-Dinitrotoluene	<351	ug/kg	351	1	12/14/17 12:29	12/15/17 18:24	121-14-2	

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-7 **Lab ID: 7037998007** Collected: 12/11/17 11:45 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,6-Dinitrotoluene	<351	ug/kg	351	1	12/14/17 12:29	12/15/17 18:24	606-20-2	
Di-n-octylphthalate	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	117-84-0	
bis(2-Ethylhexyl)phthalate	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	117-81-7	
Fluoranthene	1080	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	206-44-0	
Fluorene	228	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	86-73-7	
Hexachloro-1,3-butadiene	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	87-68-3	
Hexachlorobenzene	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	118-74-1	
Hexachlorocyclopentadiene	<351	ug/kg	351	1	12/14/17 12:29	12/15/17 18:24	67-47-4	IC
Hexachloroethane	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	77-72-1	
Indeno(1,2,3-cd)pyrene	211	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	193-39-5	
Isophorone	908	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	78-59-1	
2-Methylnaphthalene	230	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	91-57-6	
2-Methylphenol(o-Cresol)	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24		
Naphthalene	410	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	91-20-3	
2-Nitroaniline	<351	ug/kg	351	1	12/14/17 12:29	12/15/17 18:24	88-74-4	
3-Nitroaniline	<351	ug/kg	351	1	12/14/17 12:29	12/15/17 18:24	99-09-2	
4-Nitroaniline	<351	ug/kg	351	1	12/14/17 12:29	12/15/17 18:24	100-01-6	
Nitrobenzene	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	98-95-3	
2-Nitrophenol	<351	ug/kg	351	1	12/14/17 12:29	12/15/17 18:24	88-75-5	
4-Nitrophenol	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	100-02-7	
N-Nitroso-di-n-propylamine	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	621-64-7	
N-Nitrosodiphenylamine	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	86-30-6	
2,2'-Oxybis(1-chloropropane)	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	108-60-1	
Pentachlorophenol	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	87-86-5	
Phenanthrene	1280	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	85-01-8	
Phenol	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	108-95-2	
Pyrene	926	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	129-00-0	
1,2,4-Trichlorobenzene	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	120-82-1	
2,4,5-Trichlorophenol	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	95-95-4	
2,4,6-Trichlorophenol	<71.2	ug/kg	71.2	1	12/14/17 12:29	12/15/17 18:24	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	59	%	23-120	1	12/14/17 12:29	12/15/17 18:24	4165-60-0	
2-Fluorobiphenyl (S)	73	%	30-115	1	12/14/17 12:29	12/15/17 18:24	321-60-8	
p-Terphenyl-d14 (S)	87	%	18-137	1	12/14/17 12:29	12/15/17 18:24	1718-51-0	
Phenol-d5 (S)	25	%	24-113	1	12/14/17 12:29	12/15/17 18:24	4165-62-2	
2-Fluorophenol (S)	2	%	25-121	1	12/14/17 12:29	12/15/17 18:24	367-12-4	S5
2,4,6-Tribromophenol (S)	1	%	19-122	1	12/14/17 12:29	12/15/17 18:24	118-79-6	S5
2-Chlorophenol-d4 (S)	3	%	20-130	1	12/14/17 12:29	12/15/17 18:24	93951-73-6	S5
1,2-Dichlorobenzene-d4 (S)	64	%	20-130	1	12/14/17 12:29	12/15/17 18:24	2199-69-1	

8260C MSV 5035A-L Low Level

Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L

Acetone	12.8	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	67-64-1	IH
Benzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	71-43-2	
Bromobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	108-86-1	
Bromochloromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-7 **Lab ID: 7037998007** Collected: 12/11/17 11:45 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromodichloromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	75-27-4	
Bromoform	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	75-25-2	
Bromomethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	74-83-9	
2-Butanone (MEK)	3.3	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	78-93-3	
n-Butylbenzene	14.5	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	104-51-8	
sec-Butylbenzene	3.9	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	135-98-8	
tert-Butylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	98-06-6	
Carbon tetrachloride	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	56-23-5	
Chlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	108-90-7	
Chlorodifluoromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	75-45-6	CL,N3
Chloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	75-00-3	
Chloroform	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	67-66-3	
Chloromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	74-87-3	CL
2-Chlorotoluene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	95-49-8	
4-Chlorotoluene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	96-12-8	CL
Dibromochloromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	124-48-1	
1,2-Dibromoethane (EDB)	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	106-93-4	
Dibromomethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	74-95-3	
1,2-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	95-50-1	
1,3-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	541-73-1	
1,4-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	106-46-7	
Dichlorodifluoromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	75-71-8	CL
1,1-Dichloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	75-34-3	
1,2-Dichloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	107-06-2	
1,1-Dichloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	75-35-4	
cis-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	156-59-2	
trans-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	156-60-5	
1,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	78-87-5	
1,3-Dichloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	142-28-9	
2,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	594-20-7	
1,1-Dichloropropene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	563-58-6	
cis-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	10061-01-5	
trans-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	10061-02-6	
Ethylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	100-41-4	
Hexachloro-1,3-butadiene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	87-68-3	
Isopropylbenzene (Cumene)	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	98-82-8	
p-Isopropyltoluene	7.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	99-87-6	
Methylene Chloride	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	108-10-1	
Methyl-tert-butyl ether	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	1634-04-4	
Naphthalene	32.1	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	91-20-3	
n-Propylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	103-65-1	
Styrene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	100-42-5	
1,1,1,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	630-20-6	
1,1,2,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-7 **Lab ID: 7037998007** Collected: 12/11/17 11:45 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
Tetrachloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	127-18-4	
1,2,4,5-tetramethylbenzene	27.4	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	95-93-2	N3
Toluene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	120-82-1	
1,1,1-Trichloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	71-55-6	
1,1,2-Trichloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	79-00-5	
Trichloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	79-01-6	
Trichlorofluoromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	75-69-4	
1,2,3-Trichloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	96-18-4	
1,1,2-Trichlorotrifluoroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	76-13-1	
1,2,4-Trimethylbenzene	29.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	95-63-6	
1,3,5-Trimethylbenzene	11.6	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	108-67-8	
Vinyl chloride	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	75-01-4	CL
Xylene (Total)	<4.4	ug/kg	4.4	1	12/14/17 08:06	12/14/17 16:16	1330-20-7	
m&p-Xylene	<4.4	ug/kg	4.4	1	12/14/17 08:06	12/14/17 16:16	179601-23-1	
o-Xylene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 16:16	95-47-6	
Surrogates								
Toluene-d8 (S)	100	%	43-157	1	12/14/17 08:06	12/14/17 16:16	2037-26-5	
4-Bromofluorobenzene (S)	102	%	34-145	1	12/14/17 08:06	12/14/17 16:16	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	33-150	1	12/14/17 08:06	12/14/17 16:16	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	6.2	%	0.10	1	12/14/17 00:31
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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-8 **Lab ID: 7037998008** Collected: 12/11/17 12:00 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Arsenic	2.7	mg/kg	0.56	1	12/16/17 11:39	12/18/17 00:16	7440-38-2	
Barium	48.0	mg/kg	11.2	1	12/16/17 11:39	12/18/17 00:16	7440-39-3	
Cadmium	0.45	mg/kg	0.14	1	12/16/17 11:39	12/18/17 00:16	7440-43-9	
Chromium	11.9	mg/kg	0.56	1	12/16/17 11:39	12/18/17 00:16	7440-47-3	
Lead	23.0	mg/kg	0.28	1	12/16/17 11:39	12/18/17 00:16	7439-92-1	
Selenium	0.99	mg/kg	0.56	1	12/16/17 11:39	12/18/17 00:16	7782-49-2	
Silver	3.0	mg/kg	0.56	1	12/16/17 11:39	12/18/17 00:16	7440-22-4	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	0.043	mg/kg	0.038	1	12/15/17 09:26	12/18/17 16:27	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Acenaphthene	404	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	83-32-9	
Acenaphthylene	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	208-96-8	
Anthracene	861	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	120-12-7	
Benzo(a)anthracene	1770	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	56-55-3	
Benzo(a)pyrene	1370	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	50-32-8	
Benzo(b)fluoranthene	1950	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	205-99-2	
Benzo(g,h,i)perylene	423	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	191-24-2	
Benzo(k)fluoranthene	1090	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	207-08-9	
4-Bromophenylphenyl ether	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	101-55-3	
Butylbenzylphthalate	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	85-68-7	
Carbazole	349	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	86-74-8	
4-Chloro-3-methylphenol	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	59-50-7	
4-Chloroaniline	<353	ug/kg	353	1	12/14/17 12:29	12/15/17 20:15	106-47-8	
bis(2-Chloroethoxy)methane	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	111-91-1	
bis(2-Chloroethyl) ether	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	111-44-4	
2-Chloronaphthalene	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	91-58-7	
2-Chlorophenol	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	95-57-8	
4-Chlorophenylphenyl ether	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	7005-72-3	
Chrysene	1530	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	218-01-9	
Dibenz(a,h)anthracene	176	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	53-70-3	
Dibenzofuran	317	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	132-64-9	
1,2-Dichlorobenzene	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	95-50-1	
1,3-Dichlorobenzene	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	541-73-1	
1,4-Dichlorobenzene	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	106-46-7	
3,3'-Dichlorobenzidine	<353	ug/kg	353	1	12/14/17 12:29	12/15/17 20:15	91-94-1	
2,4-Dichlorophenol	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	120-83-2	
Diethylphthalate	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	84-66-2	
2,4-Dimethylphenol	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	105-67-9	
Dimethylphthalate	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	131-11-3	
Di-n-butylphthalate	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	84-74-2	
4,6-Dinitro-2-methylphenol	<716	ug/kg	716	1	12/14/17 12:29	12/15/17 20:15	534-52-1	
2,4-Dinitrophenol	<716	ug/kg	716	1	12/14/17 12:29	12/15/17 20:15	51-28-5	
2,4-Dinitrotoluene	<353	ug/kg	353	1	12/14/17 12:29	12/15/17 20:15	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-8 **Lab ID: 7037998008** Collected: 12/11/17 12:00 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,6-Dinitrotoluene	<353	ug/kg	353	1	12/14/17 12:29	12/15/17 20:15	606-20-2	
Di-n-octylphthalate	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	117-84-0	
bis(2-Ethylhexyl)phthalate	81.4	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	117-81-7	
Fluoranthene	2600	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	206-44-0	
Fluorene	428	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	86-73-7	
Hexachloro-1,3-butadiene	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	87-68-3	
Hexachlorobenzene	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	118-74-1	
Hexachlorocyclopentadiene	<353	ug/kg	353	1	12/14/17 12:29	12/15/17 20:15	67-47-4	IC
Hexachloroethane	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	77-72-1	
Indeno(1,2,3-cd)pyrene	568	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	193-39-5	
Isophorone	1700	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	78-59-1	
2-Methylnaphthalene	233	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	91-57-6	
2-Methylphenol(o-Cresol)	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15		
Naphthalene	457	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	91-20-3	
2-Nitroaniline	<353	ug/kg	353	1	12/14/17 12:29	12/15/17 20:15	88-74-4	
3-Nitroaniline	<353	ug/kg	353	1	12/14/17 12:29	12/15/17 20:15	99-09-2	
4-Nitroaniline	<353	ug/kg	353	1	12/14/17 12:29	12/15/17 20:15	100-01-6	
Nitrobenzene	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	98-95-3	
2-Nitrophenol	<353	ug/kg	353	1	12/14/17 12:29	12/15/17 20:15	88-75-5	
4-Nitrophenol	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	100-02-7	
N-Nitroso-di-n-propylamine	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	621-64-7	
N-Nitrosodiphenylamine	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	86-30-6	
2,2'-Oxybis(1-chloropropane)	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	108-60-1	
Pentachlorophenol	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	87-86-5	
Phenanthrene	2400	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	85-01-8	
Phenol	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	108-95-2	
Pyrene	2450	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	129-00-0	
1,2,4-Trichlorobenzene	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	120-82-1	
2,4,5-Trichlorophenol	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	95-95-4	
2,4,6-Trichlorophenol	<71.6	ug/kg	71.6	1	12/14/17 12:29	12/15/17 20:15	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	61	%	23-120	1	12/14/17 12:29	12/15/17 20:15	4165-60-0	
2-Fluorobiphenyl (S)	77	%	30-115	1	12/14/17 12:29	12/15/17 20:15	321-60-8	
p-Terphenyl-d14 (S)	90	%	18-137	1	12/14/17 12:29	12/15/17 20:15	1718-51-0	
Phenol-d5 (S)	56	%	24-113	1	12/14/17 12:29	12/15/17 20:15	4165-62-2	
2-Fluorophenol (S)	21	%	25-121	1	12/14/17 12:29	12/15/17 20:15	367-12-4	S5
2,4,6-Tribromophenol (S)	7	%	19-122	1	12/14/17 12:29	12/15/17 20:15	118-79-6	S5
2-Chlorophenol-d4 (S)	40	%	20-130	1	12/14/17 12:29	12/15/17 20:15	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	63	%	20-130	1	12/14/17 12:29	12/15/17 20:15	2199-69-1	

8260C MSV 5035A-L Low Level

Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L

Acetone	16.4	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	67-64-1	IH
Benzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	71-43-2	
Bromobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	108-86-1	
Bromochloromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-8 **Lab ID: 7037998008** Collected: 12/11/17 12:00 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromodichloromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	75-27-4	
Bromoform	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	75-25-2	
Bromomethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	74-83-9	
2-Butanone (MEK)	3.6	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	78-93-3	
n-Butylbenzene	3.8	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	104-51-8	
sec-Butylbenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	135-98-8	
tert-Butylbenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	98-06-6	
Carbon tetrachloride	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	56-23-5	
Chlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	108-90-7	
Chlorodifluoromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	75-45-6	CL,N3
Chloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	75-00-3	
Chloroform	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	67-66-3	
Chloromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	74-87-3	CL
2-Chlorotoluene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	95-49-8	
4-Chlorotoluene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	106-43-4	
1,2-Dibromo-3-chloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	96-12-8	CL
Dibromochloromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	124-48-1	
1,2-Dibromoethane (EDB)	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	106-93-4	
Dibromomethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	74-95-3	
1,2-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	95-50-1	
1,3-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	541-73-1	
1,4-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	106-46-7	
Dichlorodifluoromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	75-71-8	CL
1,1-Dichloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	75-34-3	
1,2-Dichloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	107-06-2	
1,1-Dichloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	75-35-4	
cis-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	156-59-2	
trans-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	156-60-5	
1,2-Dichloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	78-87-5	
1,3-Dichloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	142-28-9	
2,2-Dichloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	594-20-7	
1,1-Dichloropropene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	563-58-6	
cis-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	10061-01-5	
trans-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	10061-02-6	
Ethylbenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	87-68-3	
Isopropylbenzene (Cumene)	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	98-82-8	
p-Isopropyltoluene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	99-87-6	
Methylene Chloride	<2.1	Methyl/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	108-10-1	
Methyl-tert-butyl ether	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	1634-04-4	
Naphthalene	10.7	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	91-20-3	
n-Propylbenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	103-65-1	
Styrene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	100-42-5	
1,1,1,2-Tetrachloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	630-20-6	
1,1,2,2-Tetrachloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-8 **Lab ID: 7037998008** Collected: 12/11/17 12:00 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
Tetrachloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	127-18-4	
1,2,4,5-tetramethylbenzene	9.2	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	95-93-2	N3
Toluene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	87-61-6	
1,2,4-Trichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	120-82-1	
1,1,1-Trichloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	71-55-6	
1,1,2-Trichloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	79-00-5	
Trichloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	79-01-6	
Trichlorofluoromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	75-69-4	
1,2,3-Trichloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	76-13-1	
1,2,4-Trimethylbenzene	6.7	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	95-63-6	
1,3,5-Trimethylbenzene	2.3	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	108-67-8	
Vinyl chloride	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	75-01-4	CL
Xylene (Total)	<4.3	ug/kg	4.3	1	12/14/17 08:06	12/14/17 16:37	1330-20-7	
m&p-Xylene	<4.3	ug/kg	4.3	1	12/14/17 08:06	12/14/17 16:37	179601-23-1	
o-Xylene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:37	95-47-6	
Surrogates								
Toluene-d8 (S)	102	%	43-157	1	12/14/17 08:06	12/14/17 16:37	2037-26-5	
4-Bromofluorobenzene (S)	99	%	34-145	1	12/14/17 08:06	12/14/17 16:37	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	33-150	1	12/14/17 08:06	12/14/17 16:37	17060-07-0	

Percent Moisture Analytical Method: ASTM D2216-92M

Percent Moisture	6.5	%	0.10	1	12/14/17 00:31
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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-9 **Lab ID: 7037998009** Collected: 12/11/17 12:20 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Arsenic	2.8	mg/kg	0.53	1	12/16/17 11:39	12/18/17 00:21	7440-38-2	
Barium	55.4	mg/kg	10.5	1	12/16/17 11:39	12/18/17 00:21	7440-39-3	
Cadmium	0.44	mg/kg	0.13	1	12/16/17 11:39	12/18/17 00:21	7440-43-9	
Chromium	11.8	mg/kg	0.53	1	12/16/17 11:39	12/18/17 00:21	7440-47-3	
Lead	21.4	mg/kg	0.26	1	12/16/17 11:39	12/18/17 00:21	7439-92-1	
Selenium	0.79	mg/kg	0.53	1	12/16/17 11:39	12/18/17 00:21	7782-49-2	
Silver	3.1	mg/kg	0.53	1	12/16/17 11:39	12/18/17 00:21	7440-22-4	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.042	mg/kg	0.042	1	12/15/17 09:26	12/18/17 16:29	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Acenaphthene	115	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	83-32-9	
Acenaphthylene	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	208-96-8	
Anthracene	291	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	120-12-7	
Benzo(a)anthracene	787	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	56-55-3	
Benzo(a)pyrene	618	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	50-32-8	
Benzo(b)fluoranthene	828	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	205-99-2	
Benzo(g,h,i)perylene	300	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	191-24-2	
Benzo(k)fluoranthene	475	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	207-08-9	
4-Bromophenylphenyl ether	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	101-55-3	
Butylbenzylphthalate	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	85-68-7	
Carbazole	123	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	86-74-8	
4-Chloro-3-methylphenol	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	59-50-7	
4-Chloroaniline	<349	ug/kg	349	1	12/14/17 12:29	12/18/17 13:53	106-47-8	
bis(2-Chloroethoxy)methane	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	111-91-1	
bis(2-Chloroethyl) ether	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	111-44-4	
2-Chloronaphthalene	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	91-58-7	
2-Chlorophenol	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	95-57-8	
4-Chlorophenylphenyl ether	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	7005-72-3	
Chrysene	695	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	218-01-9	
Dibenz(a,h)anthracene	87.6	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	53-70-3	
Dibenzofuran	104	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	132-64-9	
1,2-Dichlorobenzene	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	95-50-1	
1,3-Dichlorobenzene	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	541-73-1	
1,4-Dichlorobenzene	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	106-46-7	
3,3'-Dichlorobenzidine	<349	ug/kg	349	1	12/14/17 12:29	12/18/17 13:53	91-94-1	
2,4-Dichlorophenol	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	120-83-2	
Diethylphthalate	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	84-66-2	
2,4-Dimethylphenol	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	105-67-9	
Dimethylphthalate	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	131-11-3	
Di-n-butylphthalate	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	84-74-2	
4,6-Dinitro-2-methylphenol	<709	ug/kg	709	1	12/14/17 12:29	12/18/17 13:53	534-52-1	
2,4-Dinitrophenol	<709	ug/kg	709	1	12/14/17 12:29	12/18/17 13:53	51-28-5	
2,4-Dinitrotoluene	<349	ug/kg	349	1	12/14/17 12:29	12/18/17 13:53	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-9 **Lab ID: 7037998009** Collected: 12/11/17 12:20 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,6-Dinitrotoluene	<349	ug/kg	349	1	12/14/17 12:29	12/18/17 13:53	606-20-2	
Di-n-octylphthalate	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	117-84-0	
bis(2-Ethylhexyl)phthalate	180	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	117-81-7	
Fluoranthene	1260	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	206-44-0	
Fluorene	115	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	86-73-7	
Hexachloro-1,3-butadiene	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	87-68-3	
Hexachlorobenzene	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	118-74-1	
Hexachlorocyclopentadiene	<349	ug/kg	349	1	12/14/17 12:29	12/18/17 13:53	67-47-4	IC
Hexachloroethane	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	67-72-1	
Indeno(1,2,3-cd)pyrene	357	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	193-39-5	
Isophorone	2360	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	78-59-1	
2-Methylnaphthalene	118	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	91-57-6	
2-Methylphenol(o-Cresol)	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53		
Naphthalene	201	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	91-20-3	
2-Nitroaniline	<349	ug/kg	349	1	12/14/17 12:29	12/18/17 13:53	88-74-4	
3-Nitroaniline	<349	ug/kg	349	1	12/14/17 12:29	12/18/17 13:53	99-09-2	
4-Nitroaniline	<349	ug/kg	349	1	12/14/17 12:29	12/18/17 13:53	100-01-6	
Nitrobenzene	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	98-95-3	
2-Nitrophenol	<349	ug/kg	349	1	12/14/17 12:29	12/18/17 13:53	88-75-5	
4-Nitrophenol	<709	ug/kg	709	1	12/14/17 12:29	12/18/17 13:53	100-02-7	
N-Nitroso-di-n-propylamine	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	621-64-7	
N-Nitrosodiphenylamine	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	86-30-6	
2,2'-Oxybis(1-chloropropane)	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	108-60-1	
Pentachlorophenol	<709	ug/kg	709	1	12/14/17 12:29	12/18/17 13:53	87-86-5	
Phenanthrene	1010	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	85-01-8	
Phenol	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	108-95-2	
Pyrene	1080	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	129-00-0	
1,2,4-Trichlorobenzene	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	120-82-1	
2,4,5-Trichlorophenol	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	95-95-4	
2,4,6-Trichlorophenol	<70.9	ug/kg	70.9	1	12/14/17 12:29	12/18/17 13:53	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	66	%	23-120	1	12/14/17 12:29	12/18/17 13:53	4165-60-0	
2-Fluorobiphenyl (S)	77	%	30-115	1	12/14/17 12:29	12/18/17 13:53	321-60-8	
p-Terphenyl-d14 (S)	86	%	18-137	1	12/14/17 12:29	12/18/17 13:53	1718-51-0	
Phenol-d5 (S)	51	%	24-113	1	12/14/17 12:29	12/18/17 13:53	4165-62-2	
2-Fluorophenol (S)	16	%	25-121	1	12/14/17 12:29	12/18/17 13:53	367-12-4	S5
2,4,6-Tribromophenol (S)	4	%	19-122	1	12/14/17 12:29	12/18/17 13:53	118-79-6	S5
2-Chlorophenol-d4 (S)	31	%	20-130	1	12/14/17 12:29	12/18/17 13:53	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	64	%	20-130	1	12/14/17 12:29	12/18/17 13:53	2199-69-1	

8260C MSV 5035A-L Low Level

Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L

Acetone	25.7	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	67-64-1	IH
Benzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	71-43-2	
Bromobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	108-86-1	
Bromochloromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-9 Lab ID: 7037998009 Collected: 12/11/17 12:20 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromodichloromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	75-27-4	
Bromoform	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	75-25-2	
Bromomethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	74-83-9	
2-Butanone (MEK)	2.9	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	78-93-3	
n-Butylbenzene	13.5	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	104-51-8	
sec-Butylbenzene	3.4	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	135-98-8	
tert-Butylbenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	98-06-6	
Carbon tetrachloride	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	56-23-5	
Chlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	108-90-7	
Chlorodifluoromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	75-45-6	CL,N3
Chloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	75-00-3	
Chloroform	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	67-66-3	
Chloromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	74-87-3	CL
2-Chlorotoluene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	95-49-8	
4-Chlorotoluene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	106-43-4	
1,2-Dibromo-3-chloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	96-12-8	CL
Dibromochloromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	124-48-1	
1,2-Dibromoethane (EDB)	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	106-93-4	
Dibromomethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	74-95-3	
1,2-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	95-50-1	
1,3-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	541-73-1	
1,4-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	106-46-7	
Dichlorodifluoromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	75-71-8	CL
1,1-Dichloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	75-34-3	
1,2-Dichloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	107-06-2	
1,1-Dichloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	75-35-4	
cis-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	156-59-2	
trans-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	156-60-5	
1,2-Dichloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	78-87-5	
1,3-Dichloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	142-28-9	
2,2-Dichloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	594-20-7	
1,1-Dichloropropene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	563-58-6	
cis-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	10061-01-5	
trans-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	10061-02-6	
Ethylbenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	87-68-3	
Isopropylbenzene (Cumene)	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	98-82-8	
p-Isopropyltoluene	6.6	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	99-87-6	
Methylene Chloride	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	108-10-1	
Methyl-tert-butyl ether	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	1634-04-4	
Naphthalene	38.6	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	91-20-3	
n-Propylbenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	103-65-1	
Styrene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	100-42-5	
1,1,1,2-Tetrachloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	630-20-6	
1,1,2,2-Tetrachloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-9 **Lab ID: 7037998009** Collected: 12/11/17 12:20 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
Tetrachloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	127-18-4	
1,2,4,5-tetramethylbenzene	31.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	95-93-2	N3
Toluene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	87-61-6	
1,2,4-Trichlorobenzene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	120-82-1	
1,1,1-Trichloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	71-55-6	
1,1,2-Trichloroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	79-00-5	
Trichloroethene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	79-01-6	
Trichlorofluoromethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	75-69-4	
1,2,3-Trichloropropane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	96-18-4	
1,1,2-Trichlorotrifluoroethane	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	76-13-1	
1,2,4-Trimethylbenzene	25.4	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	95-63-6	
1,3,5-Trimethylbenzene	9.9	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	108-67-8	
Vinyl chloride	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	75-01-4	CL
Xylene (Total)	<4.2	ug/kg	4.2	1	12/14/17 08:06	12/14/17 16:58	1330-20-7	
m&p-Xylene	<4.2	ug/kg	4.2	1	12/14/17 08:06	12/14/17 16:58	179601-23-1	
o-Xylene	<2.1	ug/kg	2.1	1	12/14/17 08:06	12/14/17 16:58	95-47-6	
Surrogates								
Toluene-d8 (S)	108	%	43-157	1	12/14/17 08:06	12/14/17 16:58	2037-26-5	
4-Bromofluorobenzene (S)	109	%	34-145	1	12/14/17 08:06	12/14/17 16:58	460-00-4	
1,2-Dichloroethane-d4 (S)	84	%	33-150	1	12/14/17 08:06	12/14/17 16:58	17060-07-0	

Percent Moisture Analytical Method: ASTM D2216-92M

Percent Moisture	5.5	%	0.10	1	12/14/17 00:31
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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-10 **Lab ID: 7037998010** Collected: 12/11/17 12:35 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Arsenic	5.7	mg/kg	0.58	1	12/16/17 11:39	12/18/17 00:27	7440-38-2	
Barium	49.2	mg/kg	11.6	1	12/16/17 11:39	12/18/17 00:27	7440-39-3	
Cadmium	0.33	mg/kg	0.14	1	12/16/17 11:39	12/18/17 00:27	7440-43-9	
Chromium	12.3	mg/kg	0.58	1	12/16/17 11:39	12/18/17 00:27	7440-47-3	
Lead	16.5	mg/kg	0.29	1	12/16/17 11:39	12/18/17 00:27	7439-92-1	
Selenium	0.73	mg/kg	0.58	1	12/16/17 11:39	12/18/17 00:27	7782-49-2	
Silver	2.7	mg/kg	0.58	1	12/16/17 11:39	12/18/17 00:27	7440-22-4	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.037	mg/kg	0.037	1	12/15/17 09:26	12/18/17 16:31	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Acenaphthene	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	83-32-9	
Acenaphthylene	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	208-96-8	
Anthracene	87.5	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	120-12-7	
Benzo(a)anthracene	283	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	56-55-3	
Benzo(a)pyrene	292	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	50-32-8	
Benzo(b)fluoranthene	420	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	205-99-2	
Benzo(g,h,i)perylene	191	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	191-24-2	
Benzo(k)fluoranthene	190	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	207-08-9	
4-Bromophenylphenyl ether	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	101-55-3	
Butylbenzylphthalate	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	85-68-7	
Carbazole	74.5	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	86-74-8	
4-Chloro-3-methylphenol	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	59-50-7	M1
4-Chloroaniline	<360	ug/kg	360	1	12/14/17 12:29	12/15/17 16:36	106-47-8	
bis(2-Chloroethoxy)methane	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	111-91-1	M1,R1
bis(2-Chloroethyl) ether	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	111-44-4	M1,R1
2-Chloronaphthalene	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	91-58-7	
2-Chlorophenol	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	95-57-8	M1
4-Chlorophenylphenyl ether	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	7005-72-3	
Chrysene	332	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	218-01-9	
Dibenz(a,h)anthracene	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	53-70-3	
Dibenzofuran	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	132-64-9	
1,2-Dichlorobenzene	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	95-50-1	
1,3-Dichlorobenzene	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	541-73-1	
1,4-Dichlorobenzene	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	106-46-7	
3,3'-Dichlorobenzidine	<360	ug/kg	360	1	12/14/17 12:29	12/15/17 16:36	91-94-1	
2,4-Dichlorophenol	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	120-83-2	M1
Diethylphthalate	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	84-66-2	
2,4-Dimethylphenol	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	105-67-9	
Dimethylphthalate	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	131-11-3	M1
Di-n-butylphthalate	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	84-74-2	
4,6-Dinitro-2-methylphenol	<730	ug/kg	730	1	12/14/17 12:29	12/15/17 16:36	534-52-1	M1
2,4-Dinitrophenol	<730	ug/kg	730	1	12/14/17 12:29	12/15/17 16:36	51-28-5	
2,4-Dinitrotoluene	<360	ug/kg	360	1	12/14/17 12:29	12/15/17 16:36	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-10 Lab ID: 7037998010 Collected: 12/11/17 12:35 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,6-Dinitrotoluene	<360	ug/kg	360	1	12/14/17 12:29	12/15/17 16:36	606-20-2	
Di-n-octylphthalate	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	117-84-0	
bis(2-Ethylhexyl)phthalate	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	117-81-7	
Fluoranthene	636	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	206-44-0	
Fluorene	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	86-73-7	
Hexachloro-1,3-butadiene	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	87-68-3	
Hexachlorobenzene	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	118-74-1	
Hexachlorocyclopentadiene	<360	ug/kg	360	1	12/14/17 12:29	12/15/17 16:36	67-47-4	IC,M1
Hexachloroethane	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	67-72-1	
Indeno(1,2,3-cd)pyrene	241	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	193-39-5	
Isophorone	299	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	78-59-1	
2-Methylnaphthalene	134	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	91-57-6	
2-Methylphenol(o-Cresol)	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36		
Naphthalene	119	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	91-20-3	
2-Nitroaniline	<360	ug/kg	360	1	12/14/17 12:29	12/15/17 16:36	88-74-4	
3-Nitroaniline	<360	ug/kg	360	1	12/14/17 12:29	12/15/17 16:36	99-09-2	
4-Nitroaniline	<360	ug/kg	360	1	12/14/17 12:29	12/15/17 16:36	100-01-6	
Nitrobenzene	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	98-95-3	
2-Nitrophenol	<360	ug/kg	360	1	12/14/17 12:29	12/15/17 16:36	88-75-5	M1
4-Nitrophenol	<730	ug/kg	730	1	12/14/17 12:29	12/15/17 16:36	100-02-7	M1
N-Nitroso-di-n-propylamine	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	621-64-7	
N-Nitrosodiphenylamine	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	86-30-6	
2,2'-Oxybis(1-chloropropane)	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	108-60-1	
Pentachlorophenol	<730	ug/kg	730	1	12/14/17 12:29	12/15/17 16:36	87-86-5	M1
Phenanthrene	514	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	85-01-8	
Phenol	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	108-95-2	M1
Pyrene	510	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	129-00-0	
1,2,4-Trichlorobenzene	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	120-82-1	
2,4,5-Trichlorophenol	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	95-95-4	M1
2,4,6-Trichlorophenol	<73.0	ug/kg	73.0	1	12/14/17 12:29	12/15/17 16:36	88-06-2	M1
Surrogates								
Nitrobenzene-d5 (S)	61	%	23-120	1	12/14/17 12:29	12/15/17 16:36	4165-60-0	
2-Fluorobiphenyl (S)	77	%	30-115	1	12/14/17 12:29	12/15/17 16:36	321-60-8	
p-Terphenyl-d14 (S)	83	%	18-137	1	12/14/17 12:29	12/15/17 16:36	1718-51-0	
Phenol-d5 (S)	42	%	24-113	1	12/14/17 12:29	12/15/17 16:36	4165-62-2	
2-Fluorophenol (S)	7	%	25-121	1	12/14/17 12:29	12/15/17 16:36	367-12-4	S5
2,4,6-Tribromophenol (S)	6	%	19-122	1	12/14/17 12:29	12/15/17 16:36	118-79-6	S5
2-Chlorophenol-d4 (S)	15	%	20-130	1	12/14/17 12:29	12/15/17 16:36	93951-73-6	S5
1,2-Dichlorobenzene-d4 (S)	69	%	20-130	1	12/14/17 12:29	12/15/17 16:36	2199-69-1	

8260C MSV 5035A-L Low Level

Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L

Acetone	17.7	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	67-64-1	IH
Benzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	71-43-2	
Bromobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	108-86-1	
Bromochloromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-10 **Lab ID: 7037998010** Collected: 12/11/17 12:35 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromodichloromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	75-27-4	
Bromoform	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	75-25-2	
Bromomethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	74-83-9	
2-Butanone (MEK)	2.7	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	78-93-3	
n-Butylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	104-51-8	
sec-Butylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	135-98-8	
tert-Butylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	98-06-6	
Carbon tetrachloride	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	56-23-5	
Chlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	108-90-7	
Chlorodifluoromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	75-45-6	CL,N3
Chloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	75-00-3	
Chloroform	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	67-66-3	
Chloromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	74-87-3	CL
2-Chlorotoluene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	95-49-8	
4-Chlorotoluene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	96-12-8	CL
Dibromochloromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	124-48-1	
1,2-Dibromoethane (EDB)	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	106-93-4	
Dibromomethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	74-95-3	
1,2-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	95-50-1	
1,3-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	541-73-1	
1,4-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	106-46-7	
Dichlorodifluoromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	75-71-8	CL
1,1-Dichloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	75-34-3	
1,2-Dichloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	107-06-2	
1,1-Dichloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	75-35-4	
cis-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	156-59-2	
trans-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	156-60-5	
1,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	78-87-5	
1,3-Dichloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	142-28-9	
2,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	594-20-7	
1,1-Dichloropropene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	563-58-6	
cis-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	10061-01-5	
trans-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	10061-02-6	
Ethylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	100-41-4	
Hexachloro-1,3-butadiene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	87-68-3	
Isopropylbenzene (Cumene)	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	98-82-8	
p-Isopropyltoluene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	99-87-6	
Methylene Chloride	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	108-10-1	
Methyl-tert-butyl ether	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	1634-04-4	
Naphthalene	5.5	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	91-20-3	
n-Propylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	103-65-1	
Styrene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	100-42-5	
1,1,1,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	630-20-6	
1,1,2,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Sample: C-10 **Lab ID: 7037998010** Collected: 12/11/17 12:35 Received: 12/13/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
Tetrachloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	127-18-4	
1,2,4,5-tetramethylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	95-93-2	N3
Toluene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	120-82-1	
1,1,1-Trichloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	71-55-6	
1,1,2-Trichloroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	79-00-5	
Trichloroethene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	79-01-6	
Trichlorofluoromethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	75-69-4	
1,2,3-Trichloropropane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	96-18-4	
1,1,2-Trichlorotrifluoroethane	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	76-13-1	
1,2,4-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	95-63-6	
1,3,5-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	108-67-8	
Vinyl chloride	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	75-01-4	CL
Xylene (Total)	<4.5	ug/kg	4.5	1	12/14/17 08:06	12/14/17 17:18	1330-20-7	
m&p-Xylene	<4.5	ug/kg	4.5	1	12/14/17 08:06	12/14/17 17:18	179601-23-1	
o-Xylene	<2.2	ug/kg	2.2	1	12/14/17 08:06	12/14/17 17:18	95-47-6	
Surrogates								
Toluene-d8 (S)	104	%	43-157	1	12/14/17 08:06	12/14/17 17:18	2037-26-5	
4-Bromofluorobenzene (S)	122	%	34-145	1	12/14/17 08:06	12/14/17 17:18	460-00-4	
1,2-Dichloroethane-d4 (S)	80	%	33-150	1	12/14/17 08:06	12/14/17 17:18	17060-07-0	

Percent Moisture Analytical Method: ASTM D2216-92M

Percent Moisture	8.4	%	0.10	1	12/14/17 00:32
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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

QC Batch: 49868 Analysis Method: EPA 7471B
QC Batch Method: EPA 7471B Analysis Description: 7471 Mercury
Associated Lab Samples: 7037998001, 7037998002, 7037998003, 7037998004, 7037998005, 7037998006, 7037998007, 7037998008, 7037998009, 7037998010

METHOD BLANK: 231775 Matrix: Solid
Associated Lab Samples: 7037998001, 7037998002, 7037998003, 7037998004, 7037998005, 7037998006, 7037998007, 7037998008, 7037998009, 7037998010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.033	0.033	12/18/17 15:55	

LABORATORY CONTROL SAMPLE: 231776

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.17	0.17	101	80-120	

MATRIX SPIKE SAMPLE: 231777

Parameter	Units	7037998001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	<0.035	.22	0.27	117	80-120	

SAMPLE DUPLICATE: 231778

Parameter	Units	7037998001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	<0.035	<0.037		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

QC Batch:	49981	Analysis Method:	EPA 6010C
QC Batch Method:	EPA 3050B	Analysis Description:	6010 MET
Associated Lab Samples:	7037998001, 7037998002, 7037998003, 7037998004, 7037998005, 7037998006, 7037998007, 7037998008, 7037998009, 7037998010		

METHOD BLANK: 232243 Matrix: Solid
Associated Lab Samples: 7037998001, 7037998002, 7037998003, 7037998004, 7037998005, 7037998006, 7037998007, 7037998008, 7037998009, 7037998010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<0.50	0.50	12/17/17 22:43	
Barium	mg/kg	<10.0	10.0	12/17/17 22:43	
Cadmium	mg/kg	<0.12	0.12	12/17/17 22:43	
Chromium	mg/kg	<0.50	0.50	12/17/17 22:43	
Lead	mg/kg	<0.25	0.25	12/17/17 22:43	
Selenium	mg/kg	<0.50	0.50	12/17/17 22:43	
Silver	mg/kg	<0.50	0.50	12/17/17 22:43	

LABORATORY CONTROL SAMPLE: 232244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	147	129	88	80-120	
Barium	mg/kg	313	269	86	80-120	
Cadmium	mg/kg	192	163	85	80-120	
Chromium	mg/kg	82.4	69.7	85	80-120	
Lead	mg/kg	92	83.1	90	80-120	
Selenium	mg/kg	186	164	88	80-120	
Silver	mg/kg	40.6	40.9	101	80-120	

MATRIX SPIKE SAMPLE: 232671

Parameter	Units	7037998001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	1.5	25.4	26.4	98	75-125	
Barium	mg/kg	27.3	25.4	34.9	30	75-125	M1
Cadmium	mg/kg	0.15	2.5	2.3	85	75-125	
Chromium	mg/kg	5.4	12.7	20.1	116	75-125	
Lead	mg/kg	2.5	25.4	33.2	121	75-125	
Selenium	mg/kg	<0.55	38	36.7	96	75-125	
Silver	mg/kg	1.3	12.7	11.6	81	75-125	

SAMPLE DUPLICATE: 232670

Parameter	Units	7037998001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	1.5	2.1	33	D6
Barium	mg/kg	27.3	36.4	29	D6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

SAMPLE DUPLICATE: 232670

Parameter	Units	7037998001 Result	Dup Result	RPD	Qualifiers
Cadmium	mg/kg	0.15	0.24	44	D6
Chromium	mg/kg	5.4	9.7	57	D6
Lead	mg/kg	2.5	2.8	14	
Selenium	mg/kg	<0.55	<0.52		
Silver	mg/kg	1.3	1.9	42	D6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

QC Batch:	49885	Analysis Method:	EPA 8260C
QC Batch Method:	EPA 5035A-L	Analysis Description:	8260 MSV 5035A-L Low Level
Associated Lab Samples:	7037998001, 7037998002, 7037998003, 7037998004, 7037998005, 7037998006, 7037998007, 7037998008, 7037998009, 7037998010		

METHOD BLANK:	231896	Matrix:	Solid
Associated Lab Samples:	7037998001, 7037998002, 7037998003, 7037998004, 7037998005, 7037998006, 7037998007, 7037998008, 7037998009, 7037998010		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.0	2.0	12/14/17 10:38	
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	12/14/17 10:38	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	12/14/17 10:38	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	12/14/17 10:38	
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.0	2.0	12/14/17 10:38	
1,1-Dichloroethane	ug/kg	<2.0	2.0	12/14/17 10:38	
1,1-Dichloroethene	ug/kg	<2.0	2.0	12/14/17 10:38	
1,1-Dichloropropene	ug/kg	<2.0	2.0	12/14/17 10:38	
1,2,3-Trichlorobenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
1,2,3-Trichloropropane	ug/kg	<2.0	2.0	12/14/17 10:38	
1,2,4,5-tetramethylbenzene	ug/kg	<2.0	2.0	12/14/17 10:38	N3
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
1,2,4-Trimethylbenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	12/14/17 10:38	CL
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	12/14/17 10:38	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
1,2-Dichloroethane	ug/kg	<2.0	2.0	12/14/17 10:38	
1,2-Dichloropropane	ug/kg	<2.0	2.0	12/14/17 10:38	
1,3,5-Trimethylbenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
1,3-Dichloropropane	ug/kg	<2.0	2.0	12/14/17 10:38	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
2,2-Dichloropropane	ug/kg	<2.0	2.0	12/14/17 10:38	
2-Butanone (MEK)	ug/kg	<2.0	2.0	12/14/17 10:38	
2-Chlorotoluene	ug/kg	<2.0	2.0	12/14/17 10:38	
4-Chlorotoluene	ug/kg	<2.0	2.0	12/14/17 10:38	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	12/14/17 10:38	
Acetone	ug/kg	<2.0	2.0	12/14/17 10:38	
Benzene	ug/kg	<2.0	2.0	12/14/17 10:38	
Bromobenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
Bromochloromethane	ug/kg	<2.0	2.0	12/14/17 10:38	
Bromodichloromethane	ug/kg	<2.0	2.0	12/14/17 10:38	
Bromoform	ug/kg	<2.0	2.0	12/14/17 10:38	
Bromomethane	ug/kg	<2.0	2.0	12/14/17 10:38	
Carbon tetrachloride	ug/kg	<2.0	2.0	12/14/17 10:38	
Chlorobenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
Chlorodifluoromethane	ug/kg	<2.0	2.0	12/14/17 10:38	CL,N3
Chloroethane	ug/kg	<2.0	2.0	12/14/17 10:38	
Chloroform	ug/kg	<2.0	2.0	12/14/17 10:38	
Chloromethane	ug/kg	<2.0	2.0	12/14/17 10:38	CL

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

METHOD BLANK: 231896

Matrix: Solid

Associated Lab Samples: 7037998001, 7037998002, 7037998003, 7037998004, 7037998005, 7037998006, 7037998007, 7037998008, 7037998009, 7037998010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	12/14/17 10:38	
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	12/14/17 10:38	
Dibromochloromethane	ug/kg	<2.0	2.0	12/14/17 10:38	
Dibromomethane	ug/kg	<2.0	2.0	12/14/17 10:38	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	12/14/17 10:38	CL
Ethylbenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
Hexachloro-1,3-butadiene	ug/kg	<2.0	2.0	12/14/17 10:38	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	12/14/17 10:38	
m&p-Xylene	ug/kg	<4.0	4.0	12/14/17 10:38	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	12/14/17 10:38	
Methylene Chloride	ug/kg	<2.0	2.0	12/14/17 10:38	
n-Butylbenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
n-Propylbenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
Naphthalene	ug/kg	<2.0	2.0	12/14/17 10:38	
o-Xylene	ug/kg	<2.0	2.0	12/14/17 10:38	
p-Isopropyltoluene	ug/kg	<2.0	2.0	12/14/17 10:38	
sec-Butylbenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
Styrene	ug/kg	<2.0	2.0	12/14/17 10:38	
tert-Butylbenzene	ug/kg	<2.0	2.0	12/14/17 10:38	
Tetrachloroethene	ug/kg	<2.0	2.0	12/14/17 10:38	
Toluene	ug/kg	<2.0	2.0	12/14/17 10:38	
trans-1,2-Dichloroethene	ug/kg	<2.0	2.0	12/14/17 10:38	
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	12/14/17 10:38	
Trichloroethene	ug/kg	<2.0	2.0	12/14/17 10:38	
Trichlorofluoromethane	ug/kg	<2.0	2.0	12/14/17 10:38	
Vinyl chloride	ug/kg	<2.0	2.0	12/14/17 10:38	CL
Xylene (Total)	ug/kg	<4.0	4.0	12/14/17 10:38	
1,2-Dichloroethane-d4 (S)	%	95	33-150	12/14/17 10:38	
4-Bromofluorobenzene (S)	%	103	34-145	12/14/17 10:38	
Toluene-d8 (S)	%	103	43-157	12/14/17 10:38	

LABORATORY CONTROL SAMPLE: 231897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50.6	52.2	103	74-140	
1,1,1-Trichloroethane	ug/kg	50.6	44.8	89	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	50.6	43.0	85	69-132	
1,1,2-Trichloroethane	ug/kg	50.6	49.3	97	73-135	
1,1,2-Trichlorotrifluoroethane	ug/kg	50.6	40.9	81	45-156	
1,1-Dichloroethane	ug/kg	50.6	42.8	85	53-160	
1,1-Dichloroethene	ug/kg	50.6	39.8	79	47-152	
1,1-Dichloropropene	ug/kg	50.6	45.0	89	56-130	
1,2,3-Trichlorobenzene	ug/kg	50.6	53.8	106	48-144	

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

LABORATORY CONTROL SAMPLE: 231897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/kg	50.6	42.6	84	67-129	
1,2,4,5-tetramethylbenzene	ug/kg	50.6	46.3	91	60-142	N3
1,2,4-Trichlorobenzene	ug/kg	50.6	54.0	107	52-140	
1,2,4-Trimethylbenzene	ug/kg	50.6	43.1	85	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	50.6	39.1	77	57-140	CL
1,2-Dibromoethane (EDB)	ug/kg	50.6	48.8	97	76-138	
1,2-Dichlorobenzene	ug/kg	50.6	46.0	91	67-125	
1,2-Dichloroethane	ug/kg	50.6	44.6	88	65-143	
1,2-Dichloropropane	ug/kg	50.6	47.5	94	72-131	
1,3,5-Trimethylbenzene	ug/kg	50.6	43.7	86	49-134	
1,3-Dichlorobenzene	ug/kg	50.6	46.5	92	64-124	
1,3-Dichloropropane	ug/kg	50.6	49.0	97	73-130	
1,4-Dichlorobenzene	ug/kg	50.6	46.4	92	61-127	
2,2-Dichloropropane	ug/kg	50.6	39.3	78	55-140	
2-Butanone (MEK)	ug/kg	50.6	40.9	81	52-164	
2-Chlorotoluene	ug/kg	50.6	42.8	85	62-125	
4-Chlorotoluene	ug/kg	50.6	42.8	85	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.6	49.4	98	63-154	
Acetone	ug/kg	50.6	45.8	91	23-196	IH
Benzene	ug/kg	50.6	47.1	93	65-129	
Bromobenzene	ug/kg	50.6	45.7	90	63-130	
Bromochloromethane	ug/kg	50.6	45.4	90	78-136	
Bromodichloromethane	ug/kg	50.6	47.9	95	74-141	
Bromoform	ug/kg	50.6	51.6	102	59-136	
Bromomethane	ug/kg	50.6	41.1	81	32-182	
Carbon tetrachloride	ug/kg	50.6	49.7	98	57-135	
Chlorobenzene	ug/kg	50.6	51.7	102	62-136	
Chlorodifluoromethane	ug/kg	50.6	28.4	56	14-161	CL,N3
Chloroethane	ug/kg	50.6	34.9	69	50-159	
Chloroform	ug/kg	50.6	43.5	86	71-135	
Chloromethane	ug/kg	50.6	29.8	59	44-139	CL
cis-1,2-Dichloroethene	ug/kg	50.6	46.1	91	75-130	
cis-1,3-Dichloropropene	ug/kg	50.6	48.7	96	74-140	
Dibromochloromethane	ug/kg	50.6	54.4	108	71-133	
Dibromomethane	ug/kg	50.6	49.7	98	75-136	
Dichlorodifluoromethane	ug/kg	50.6	21.2	42	10-155	CL
Ethylbenzene	ug/kg	50.6	51.2	101	59-135	
Hexachloro-1,3-butadiene	ug/kg	50.6	50.4	100	19-152	
Isopropylbenzene (Cumene)	ug/kg	50.6	44.3	88	56-129	
m&p-Xylene	ug/kg	101	102	101	69-133	
Methyl-tert-butyl ether	ug/kg	50.6	43.0	85	25-171	
Methylene Chloride	ug/kg	50.6	47.2	93	50-164	
n-Butylbenzene	ug/kg	50.6	45.0	89	54-121	
n-Propylbenzene	ug/kg	50.6	44.3	88	56-125	
Naphthalene	ug/kg	50.6	47.2	93	55-145	
o-Xylene	ug/kg	50.6	49.9	99	71-135	
p-Isopropyltoluene	ug/kg	50.6	45.4	90	54-126	

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

LABORATORY CONTROL SAMPLE: 231897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
sec-Butylbenzene	ug/kg	50.6	44.8	88	50-126	
Styrene	ug/kg	50.6	51.1	101	73-133	
tert-Butylbenzene	ug/kg	50.6	44.5	88	56-127	
Tetrachloroethene	ug/kg	50.6	53.4	106	10-176	
Toluene	ug/kg	50.6	49.0	97	66-131	
trans-1,2-Dichloroethene	ug/kg	50.6	46.5	92	53-157	
trans-1,3-Dichloropropene	ug/kg	50.6	47.9	95	66-144	
Trichloroethene	ug/kg	50.6	46.5	92	62-130	
Trichlorofluoromethane	ug/kg	50.6	37.7	74	38-166	
Vinyl chloride	ug/kg	50.6	34.3	68	45-137	CL
Xylene (Total)	ug/kg	152	152	100	62-135	
1,2-Dichloroethane-d4 (S)	%			90	33-150	
4-Bromofluorobenzene (S)	%			103	34-145	
Toluene-d8 (S)	%			103	43-157	

MATRIX SPIKE SAMPLE: 232423

Parameter	Units	7037998006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.3	60.3	56.8	94	74-140	
1,1,1-Trichloroethane	ug/kg	<2.3	60.3	52.5	87	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	<2.3	60.3	<2.4	3	69-132	M1
1,1,2-Trichloroethane	ug/kg	<2.3	60.3	57.9	96	73-135	
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.3	60.3	46.1	77	45-156	
1,1-Dichloroethane	ug/kg	<2.3	60.3	41.5	69	53-160	
1,1-Dichloroethene	ug/kg	<2.3	60.3	48.7	81	47-152	
1,1-Dichloropropene	ug/kg	<2.3	60.3	49.7	82	56-130	
1,2,3-Trichlorobenzene	ug/kg	<2.3	60.3	42.4	70	48-144	
1,2,3-Trichloropropane	ug/kg	<2.3	60.3	57.6	96	67-129	
1,2,4,5-tetramethylbenzene	ug/kg	21.9	60.3	62.1	67	60-142	N3
1,2,4-Trichlorobenzene	ug/kg	<2.3	60.3	42.2	70	52-140	
1,2,4-Trimethylbenzene	ug/kg	13.6	60.3	54.5	68	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	<2.3	60.3	43.1	72	57-140	CL
1,2-Dibromoethane (EDB)	ug/kg	<2.3	60.3	58.1	97	76-138	
1,2-Dichlorobenzene	ug/kg	<2.3	60.3	48.9	81	67-125	
1,2-Dichloroethane	ug/kg	<2.3	60.3	53.7	89	65-143	
1,2-Dichloropropane	ug/kg	<2.3	60.3	55.2	92	72-131	
1,3,5-Trimethylbenzene	ug/kg	4.9	60.3	49.1	73	49-134	
1,3-Dichlorobenzene	ug/kg	<2.3	60.3	48.4	80	64-124	
1,3-Dichloropropane	ug/kg	<2.3	60.3	56.7	94	73-130	
1,4-Dichlorobenzene	ug/kg	<2.3	60.3	48.8	81	61-127	
2,2-Dichloropropane	ug/kg	<2.3	60.3	37.6	62	55-140	
2-Butanone (MEK)	ug/kg	3.9	60.3	47.0	72	52-164	
2-Chlorotoluene	ug/kg	<2.3	60.3	47.4	79	62-125	
4-Chlorotoluene	ug/kg	<2.3	60.3	46.9	78	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.3	60.3	63.5	105	63-154	

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

MATRIX SPIKE SAMPLE: 232423		7037998006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Acetone	ug/kg	18.6	60.3	62.6	73	23-196	IH
Benzene	ug/kg	<2.3	60.3	54.8	91	65-129	
Bromobenzene	ug/kg	<2.3	60.3	52.8	88	63-130	
Bromochloromethane	ug/kg	<2.3	60.3	50.8	84	78-136	
Bromodichloromethane	ug/kg	<2.3	60.3	53.6	89	74-141	
Bromoform	ug/kg	<2.3	60.3	55.7	92	59-136	
Bromomethane	ug/kg	<2.3	60.3	56.3	93	32-182	
Carbon tetrachloride	ug/kg	<2.3	60.3	53.5	89	57-135	
Chlorobenzene	ug/kg	<2.3	60.3	55.2	92	62-136	
Chlorodifluoromethane	ug/kg	<2.3	60.3	32.6	54	14-161	CL,N3
Chloroethane	ug/kg	<2.3	60.3	44.6	74	50-159	
Chloroform	ug/kg	<2.3	60.3	51.8	86	71-135	
Chloromethane	ug/kg	<2.3	60.3	32.5	54	44-139	CL
cis-1,2-Dichloroethene	ug/kg	<2.3	60.3	45.8	76	75-130	
cis-1,3-Dichloropropene	ug/kg	<2.3	60.3	55.1	91	74-140	
Dibromochloromethane	ug/kg	<2.3	60.3	58.2	97	71-133	
Dibromomethane	ug/kg	<2.3	60.3	58.6	97	75-136	
Dichlorodifluoromethane	ug/kg	<2.3	60.3	23.1	38	10-155	CL
Ethylbenzene	ug/kg	<2.3	60.3	54.2	90	59-135	
Hexachloro-1,3-butadiene	ug/kg	<2.3	60.3	28.1	47	19-152	
Isopropylbenzene (Cumene)	ug/kg	<2.3	60.3	49.5	82	56-129	
m&p-Xylene	ug/kg	<4.6	120	106	88	69-133	
Methyl-tert-butyl ether	ug/kg	<2.3	60.3	50.1	83	25-171	
Methylene Chloride	ug/kg	<2.3	60.3	50.8	84	50-164	
n-Butylbenzene	ug/kg	8.5	60.3	44.4	60	54-121	
n-Propylbenzene	ug/kg	<2.3	60.3	47.2	78	56-125	
Naphthalene	ug/kg	20.6	60.3	64.5	73	55-145	
o-Xylene	ug/kg	<2.3	60.3	52.8	88	71-135	
p-Isopropyltoluene	ug/kg	3.6	60.3	45.7	70	54-126	
sec-Butylbenzene	ug/kg	<2.3	60.3	43.8	70	50-126	
Styrene	ug/kg	<2.3	60.3	53.8	89	73-133	
tert-Butylbenzene	ug/kg	<2.3	60.3	41.7	69	56-127	
Tetrachloroethene	ug/kg	4.1	60.3	100	160	10-176	
Toluene	ug/kg	<2.3	60.3	55.1	91	66-131	
trans-1,2-Dichloroethene	ug/kg	<2.3	60.3	47.9	80	53-157	
trans-1,3-Dichloropropene	ug/kg	<2.3	60.3	52.8	88	66-144	
Trichloroethene	ug/kg	<2.3	60.3	98.6	164	62-130	M1
Trichlorofluoromethane	ug/kg	<2.3	60.3	48.6	81	38-166	
Vinyl chloride	ug/kg	<2.3	60.3	38.6	64	45-137	CL
Xylene (Total)	ug/kg	<4.6	181	158	88	62-135	
1,2-Dichloroethane-d4 (S)	%				94	33-150	
4-Bromofluorobenzene (S)	%				102	34-145	
Toluene-d8 (S)	%				103	43-157	

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

SAMPLE DUPLICATE: 232422

Parameter	Units	7037998005 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.3	<2.2		
1,1,1-Trichloroethane	ug/kg	<2.3	<2.2		
1,1,2,2-Tetrachloroethane	ug/kg	<2.3	<2.2		
1,1,2-Trichloroethane	ug/kg	<2.3	<2.2		
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.3	<2.2		
1,1-Dichloroethane	ug/kg	<2.3	<2.2		
1,1-Dichloroethene	ug/kg	<2.3	<2.2		
1,1-Dichloropropene	ug/kg	<2.3	<2.2		
1,2,3-Trichlorobenzene	ug/kg	<2.3	<2.2		
1,2,3-Trichloropropane	ug/kg	<2.3	<2.2		
1,2,4,5-tetramethylbenzene	ug/kg	13.4	5.6	82	D6,N3
1,2,4-Trichlorobenzene	ug/kg	<2.3	<2.2		
1,2,4-Trimethylbenzene	ug/kg	10	4.9	68	D6
1,2-Dibromo-3-chloropropane	ug/kg	<2.3	<2.2		CL
1,2-Dibromoethane (EDB)	ug/kg	<2.3	<2.2		
1,2-Dichlorobenzene	ug/kg	<2.3	<2.2		
1,2-Dichloroethane	ug/kg	<2.3	<2.2		
1,2-Dichloropropane	ug/kg	<2.3	<2.2		
1,3,5-Trimethylbenzene	ug/kg	3.5	<2.2		
1,3-Dichlorobenzene	ug/kg	<2.3	<2.2		
1,3-Dichloropropane	ug/kg	<2.3	<2.2		
1,4-Dichlorobenzene	ug/kg	<2.3	<2.2		
2,2-Dichloropropane	ug/kg	<2.3	<2.2		
2-Butanone (MEK)	ug/kg	2.7	<2.2		
2-Chlorotoluene	ug/kg	<2.3	<2.2		
4-Chlorotoluene	ug/kg	<2.3	<2.2		
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.3	<2.2		
Acetone	ug/kg	10.9	15.8	37	D6,IH
Benzene	ug/kg	<2.3	<2.2		
Bromobenzene	ug/kg	<2.3	<2.2		
Bromochloromethane	ug/kg	<2.3	<2.2		
Bromodichloromethane	ug/kg	<2.3	<2.2		
Bromoform	ug/kg	<2.3	<2.2		
Bromomethane	ug/kg	<2.3	<2.2		
Carbon tetrachloride	ug/kg	<2.3	<2.2		
Chlorobenzene	ug/kg	<2.3	<2.2		
Chlorodifluoromethane	ug/kg	<2.3	<2.2		CL,N3
Chloroethane	ug/kg	<2.3	<2.2		
Chloroform	ug/kg	<2.3	2.4		
Chloromethane	ug/kg	<2.3	<2.2		CL
cis-1,2-Dichloroethene	ug/kg	<2.3	<2.2		
cis-1,3-Dichloropropene	ug/kg	<2.3	<2.2		
Dibromochloromethane	ug/kg	<2.3	<2.2		
Dibromomethane	ug/kg	<2.3	<2.2		
Dichlorodifluoromethane	ug/kg	<2.3	<2.2		CL
Ethylbenzene	ug/kg	<2.3	<2.2		
Hexachloro-1,3-butadiene	ug/kg	<2.3	<2.2		

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

SAMPLE DUPLICATE: 232422

Parameter	Units	7037998005 Result	Dup Result	RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/kg	<2.3	<2.2		
m&p-Xylene	ug/kg	<4.5	<4.3		
Methyl-tert-butyl ether	ug/kg	<2.3	<2.2		
Methylene Chloride	ug/kg	<2.3	<2.2		
n-Butylbenzene	ug/kg	5.6	2.5	77	D6
n-Propylbenzene	ug/kg	<2.3	<2.2		
Naphthalene	ug/kg	13.4	5.7	81	D6
o-Xylene	ug/kg	<2.3	<2.2		
p-Isopropyltoluene	ug/kg	2.5	<2.2		
sec-Butylbenzene	ug/kg	<2.3	<2.2		
Styrene	ug/kg	<2.3	<2.2		
tert-Butylbenzene	ug/kg	<2.3	<2.2		
Tetrachloroethene	ug/kg	<2.3	<2.2		
Toluene	ug/kg	<2.3	<2.2		
trans-1,2-Dichloroethene	ug/kg	<2.3	<2.2		
trans-1,3-Dichloropropene	ug/kg	<2.3	<2.2		
Trichloroethene	ug/kg	<2.3	<2.2		
Trichlorofluoromethane	ug/kg	<2.3	<2.2		
Vinyl chloride	ug/kg	<2.3	<2.2		CL
Xylene (Total)	ug/kg	<4.5	<4.3		
1,2-Dichloroethane-d4 (S)	%	97	92	9	
4-Bromofluorobenzene (S)	%	101	99	6	
Toluene-d8 (S)	%	103	104	4	

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

QC Batch:	49786	Analysis Method:	EPA 8270D
QC Batch Method:	EPA 3545A	Analysis Description:	8270 Solid MSSV
Associated Lab Samples:	7037998001, 7037998002, 7037998003, 7037998004, 7037998005, 7037998006, 7037998007, 7037998008, 7037998009, 7037998010		

METHOD BLANK:	231536	Matrix:	Solid
Associated Lab Samples:	7037998001, 7037998002, 7037998003, 7037998004, 7037998005, 7037998006, 7037998007, 7037998008, 7037998009, 7037998010		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<67.0	67.0	12/15/17 15:14	
1,2-Dichlorobenzene	ug/kg	<67.0	67.0	12/15/17 15:14	
1,3-Dichlorobenzene	ug/kg	<67.0	67.0	12/15/17 15:14	
1,4-Dichlorobenzene	ug/kg	<67.0	67.0	12/15/17 15:14	
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	12/15/17 15:14	
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	12/15/17 15:14	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	12/15/17 15:14	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	12/15/17 15:14	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	12/15/17 15:14	
2,4-Dinitrophenol	ug/kg	<67.0	67.0	12/15/17 15:14	
2,4-Dinitrotoluene	ug/kg	<330	330	12/15/17 15:14	
2,6-Dinitrotoluene	ug/kg	<330	330	12/15/17 15:14	
2-Chloronaphthalene	ug/kg	<67.0	67.0	12/15/17 15:14	
2-Chlorophenol	ug/kg	<67.0	67.0	12/15/17 15:14	
2-Methylnaphthalene	ug/kg	<67.0	67.0	12/15/17 15:14	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	12/15/17 15:14	
2-Nitroaniline	ug/kg	<330	330	12/15/17 15:14	
2-Nitrophenol	ug/kg	<330	330	12/15/17 15:14	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	12/15/17 15:14	
3,3'-Dichlorobenzidine	ug/kg	<330	330	12/15/17 15:14	
3-Nitroaniline	ug/kg	<330	330	12/15/17 15:14	
4,6-Dinitro-2-methylphenol	ug/kg	<67.0	67.0	12/15/17 15:14	
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	12/15/17 15:14	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	12/15/17 15:14	
4-Chloroaniline	ug/kg	<330	330	12/15/17 15:14	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	12/15/17 15:14	
4-Nitroaniline	ug/kg	<330	330	12/15/17 15:14	
4-Nitrophenol	ug/kg	<67.0	67.0	12/15/17 15:14	
Acenaphthene	ug/kg	<67.0	67.0	12/15/17 15:14	
Acenaphthylene	ug/kg	<67.0	67.0	12/15/17 15:14	
Anthracene	ug/kg	<67.0	67.0	12/15/17 15:14	
Benzo(a)anthracene	ug/kg	<67.0	67.0	12/15/17 15:14	
Benzo(a)pyrene	ug/kg	<67.0	67.0	12/15/17 15:14	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	12/15/17 15:14	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	12/15/17 15:14	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	12/15/17 15:14	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	12/15/17 15:14	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	12/15/17 15:14	
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	12/15/17 15:14	
Butylbenzylphthalate	ug/kg	<67.0	67.0	12/15/17 15:14	

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

PACE Project No.: 7037998

METHOD BLANK: 231536

Matrix: Solid

Associated Lab Samples: 7037998001, 7037998002, 7037998003, 7037998004, 7037998005, 7037998006, 7037998007, 7037998008, 7037998009, 7037998010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbazole	ug/kg	<67.0	67.0	12/15/17 15:14	
Chrysene	ug/kg	<67.0	67.0	12/15/17 15:14	
Di-n-butylphthalate	ug/kg	<67.0	67.0	12/15/17 15:14	
Di-n-octylphthalate	ug/kg	<67.0	67.0	12/15/17 15:14	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	12/15/17 15:14	
Dibenzofuran	ug/kg	<67.0	67.0	12/15/17 15:14	
Diethylphthalate	ug/kg	<67.0	67.0	12/15/17 15:14	
Dimethylphthalate	ug/kg	<67.0	67.0	12/15/17 15:14	
Fluoranthene	ug/kg	<67.0	67.0	12/15/17 15:14	
Fluorene	ug/kg	<67.0	67.0	12/15/17 15:14	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	12/15/17 15:14	
Hexachlorobenzene	ug/kg	<67.0	67.0	12/15/17 15:14	
Hexachlorocyclopentadiene	ug/kg	<330	330	12/15/17 15:14	IC
Hexachloroethane	ug/kg	<67.0	67.0	12/15/17 15:14	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	12/15/17 15:14	
Isophorone	ug/kg	<67.0	67.0	12/15/17 15:14	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	12/15/17 15:14	
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	12/15/17 15:14	
Naphthalene	ug/kg	<67.0	67.0	12/15/17 15:14	
Nitrobenzene	ug/kg	<67.0	67.0	12/15/17 15:14	
Pentachlorophenol	ug/kg	<670	670	12/15/17 15:14	
Phenanthrene	ug/kg	<67.0	67.0	12/15/17 15:14	
Phenol	ug/kg	<67.0	67.0	12/15/17 15:14	
Pyrene	ug/kg	<67.0	67.0	12/15/17 15:14	
1,2-Dichlorobenzene-d4 (S)	%	71	20-130	12/15/17 15:14	
2,4,6-Tribromophenol (S)	%	91	19-122	12/15/17 15:14	
2-Chlorophenol-d4 (S)	%	75	20-130	12/15/17 15:14	
2-Fluorobiphenyl (S)	%	81	30-115	12/15/17 15:14	
2-Fluorophenol (S)	%	64	25-121	12/15/17 15:14	
Nitrobenzene-d5 (S)	%	69	23-120	12/15/17 15:14	
p-Terphenyl-d14 (S)	%	87	18-137	12/15/17 15:14	
Phenol-d5 (S)	%	70	24-113	12/15/17 15:14	

LABORATORY CONTROL SAMPLE: 231537

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1310	78	35-110	
1,2-Dichlorobenzene	ug/kg	1670	1200	72	36-107	
1,3-Dichlorobenzene	ug/kg	1670	1140	68	34-104	
1,4-Dichlorobenzene	ug/kg	1670	1170	70	35-108	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1110	67	33-116	
2,4,5-Trichlorophenol	ug/kg	1670	1420	85	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	1360	82	45-110	

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

LABORATORY CONTROL SAMPLE: 231537

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dichlorophenol	ug/kg	1670	1380	83	41-117	
2,4-Dimethylphenol	ug/kg	1670	1040	62	24-96	
2,4-Dinitrophenol	ug/kg	1670	<670	39	10-80	
2,4-Dinitrotoluene	ug/kg	1670	1510	91	49-112	
2,6-Dinitrotoluene	ug/kg	1670	1420	85	50-109	
2-Chloronaphthalene	ug/kg	1670	1250	75	35-107	
2-Chlorophenol	ug/kg	1670	1200	72	36-109	
2-Methylnaphthalene	ug/kg	1670	1320	79	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	1170	70	36-104	
2-Nitroaniline	ug/kg	1670	1270	76	42-118	
2-Nitrophenol	ug/kg	1670	1300	78	36-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1260	76	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	1520	91	41-116	
3-Nitroaniline	ug/kg	1670	1110	67	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	987	59	16-104	
4-Bromophenylphenyl ether	ug/kg	1670	1460	87	50-116	
4-Chloro-3-methylphenol	ug/kg	1670	1400	84	45-118	
4-Chloroaniline	ug/kg	1670	791	47	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	1430	86	48-111	
4-Nitroaniline	ug/kg	1670	1090	65	46-110	
4-Nitrophenol	ug/kg	1670	1110	67	26-118	
Acenaphthene	ug/kg	1670	1370	82	45-109	
Acenaphthylene	ug/kg	1670	1360	82	43-107	
Anthracene	ug/kg	1670	1550	93	50-117	
Benzo(a)anthracene	ug/kg	1670	1550	93	52-116	
Benzo(a)pyrene	ug/kg	1670	1580	95	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1620	97	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	1560	93	30-107	
Benzo(k)fluoranthene	ug/kg	1670	1490	89	54-124	
bis(2-Chloroethoxy)methane	ug/kg	1670	1150	69	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	1120	67	32-116	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1550	93	60-127	
Butylbenzylphthalate	ug/kg	1670	1480	89	54-130	
Carbazole	ug/kg	1670	1530	92	40-120	
Chrysene	ug/kg	1670	1580	95	48-121	
Di-n-butylphthalate	ug/kg	1670	1560	94	53-124	
Di-n-octylphthalate	ug/kg	1670	1480	89	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	1600	96	52-109	
Dibenzofuran	ug/kg	1670	1390	84	48-112	
Diethylphthalate	ug/kg	1670	1460	88	51-114	
Dimethylphthalate	ug/kg	1670	1380	83	49-112	
Fluoranthene	ug/kg	1670	1590	95	45-126	
Fluorene	ug/kg	1670	1430	86	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	1280	77	36-118	
Hexachlorobenzene	ug/kg	1670	1540	93	51-110	
Hexachlorocyclopentadiene	ug/kg	1670	907	54	10-97 IC,IH	
Hexachloroethane	ug/kg	1670	1090	65	34-105	

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

LABORATORY CONTROL SAMPLE: 231537

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1440	86	50-108	
Isophorone	ug/kg	1670	1230	74	14-129	
N-Nitroso-di-n-propylamine	ug/kg	1670	1230	74	33-109	
N-Nitrosodiphenylamine	ug/kg	1670	1460	87	39-90	
Naphthalene	ug/kg	1670	1370	82	18-142	
Nitrobenzene	ug/kg	1670	1200	72	36-119	
Pentachlorophenol	ug/kg	1670	1470	88	22-115	
Phenanthrene	ug/kg	1670	1550	93	47-124	
Phenol	ug/kg	1670	1130	68	38-104	
Pyrene	ug/kg	1670	1530	92	49-132	
1,2-Dichlorobenzene-d4 (S)	%			65	20-130	
2,4,6-Tribromophenol (S)	%			91	19-122	
2-Chlorophenol-d4 (S)	%			71	20-130	
2-Fluorobiphenyl (S)	%			75	30-115	
2-Fluorophenol (S)	%			65	25-121	
Nitrobenzene-d5 (S)	%			66	23-120	
p-Terphenyl-d14 (S)	%			85	18-137	
Phenol-d5 (S)	%			70	24-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 231564

231565

Parameter	Units	7037998010		MS		MSD		MS		MSD		MS		MSD		% Rec		RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	Result	% Rec	% Rec	% Rec	% Rec	Limits	Limits	Limits	Limits	Limits	Limits		
1,2,4-Trichlorobenzene	ug/kg	<73.0	1810	1810	1350	1230	74	68	35-110	9									
1,2-Dichlorobenzene	ug/kg	<73.0	1810	1810	1270	1110	70	62	36-107	13									
1,3-Dichlorobenzene	ug/kg	<73.0	1810	1810	804	614	44	34	34-104	27									
1,4-Dichlorobenzene	ug/kg	<73.0	1810	1810	1500	1370	83	76	35-108	9									
2,2'-Oxybis(1-chloropropane)	ug/kg	<73.0	1810	1810	904	815	50	45	33-116	10									
2,4,5-Trichlorophenol	ug/kg	<73.0	1810	1810	<72.9	<72.7	1	2	45-111	M1									
2,4,6-Trichlorophenol	ug/kg	<73.0	1810	1810	<72.9	<72.7	0	1	45-110	M1									
2,4-Dichlorophenol	ug/kg	<73.0	1810	1810	<72.9	<72.7	1	3	41-117	M1									
2,4-Dimethylphenol	ug/kg	<73.0	1810	1810	1030	806	57	45	24-96	25									
2,4-Dinitrophenol	ug/kg	<730	1810	1810	<729	<727	18	18	10-80										
2,4-Dinitrotoluene	ug/kg	<360	1810	1810	1250	1150	69	64	49-112	9									
2,6-Dinitrotoluene	ug/kg	<360	1810	1810	1500	1310	82	72	50-109	13									
2-Chloronaphthalene	ug/kg	<73.0	1810	1810	1340	1230	74	68	35-107	9									
2-Chlorophenol	ug/kg	<73.0	1810	1810	<72.9	73.1	0	4	36-109	M1									
2-Methylnaphthalene	ug/kg	134	1810	1810	1640	1430	83	72	31-135	13									
2-Methylphenol(o-Cresol)	ug/kg	<73.0	1810	1810	985	869	54	48	36-104	13									
2-Nitroaniline	ug/kg	<360	1810	1810	1300	1160	72	64	42-118	12									
2-Nitrophenol	ug/kg	<360	1810	1810	<359	<358	7	9	36-117	M1									
3&4-Methylphenol(m&p Cresol)	ug/kg	<73.0	1810	1810	787	796	43	44	37-137	1									
3,3'-Dichlorobenzidine	ug/kg	<360	1810	1810	1190	1010	65	56	41-116	16									
3-Nitroaniline	ug/kg	<360	1810	1810	900	824	50	46	40-95	9									

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 231564 231565											
Parameter	Units	7037998010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4,6-Dinitro-2-methylphenol	ug/kg	<730	1810	1810	<729	<727	1	3	16-104		M1
4-Bromophenylphenyl ether	ug/kg	<73.0	1810	1810	1550	1340	86	74	50-116	14	
4-Chloro-3-methylphenol	ug/kg	<73.0	1810	1810	658	691	36	38	45-118	5	M1
4-Chloroaniline	ug/kg	<360	1810	1810	1170	1050	65	58	29-88	11	
4-Chlorophenylphenyl ether	ug/kg	<73.0	1810	1810	1600	1390	88	77	48-111	14	
4-Nitroaniline	ug/kg	<360	1810	1810	1250	999	69	55	46-110	22	
4-Nitrophenol	ug/kg	<730	1810	1810	<729	<727	9	7	26-118		M1
Acenaphthene	ug/kg	<73.0	1810	1810	1510	1320	83	73	45-109	13	
Acenaphthylene	ug/kg	<73.0	1810	1810	1480	1300	82	72	43-107	13	
Anthracene	ug/kg	87.5	1810	1810	1650	1450	86	75	50-117	13	
Benzo(a)anthracene	ug/kg	283	1810	1810	1790	1600	83	73	52-116	12	
Benzo(a)pyrene	ug/kg	292	1810	1810	1810	1600	84	72	56-119	12	
Benzo(b)fluoranthene	ug/kg	420	1810	1810	2090	1930	92	83	45-122	8	
Benzo(g,h,i)perylene	ug/kg	191	1810	1810	1410	1190	67	55	30-107	17	
Benzo(k)fluoranthene	ug/kg	190	1810	1810	1840	1590	91	78	54-124	14	
bis(2-Chloroethoxy)methane	ug/kg	<73.0	1810	1810	1310	344	72	19	29-112	117	M1,R1
bis(2-Chloroethyl) ether	ug/kg	<73.0	1810	1810	278	408	15	23	32-116	38	M1,R1
bis(2-Ethylhexyl)phthalate	ug/kg	<73.0	1810	1810	1630	1440	90	80	60-127	12	
Butylbenzylphthalate	ug/kg	<73.0	1810	1810	1330	1220	73	67	54-130	9	
Carbazole	ug/kg	74.5	1810	1810	1610	1400	85	73	40-120	14	
Chrysene	ug/kg	332	1810	1810	1840	1670	83	74	48-121	10	
Di-n-butylphthalate	ug/kg	<73.0	1810	1810	1570	1350	87	75	53-124	15	
Di-n-octylphthalate	ug/kg	<73.0	1810	1810	1810	1640	100	91	46-141	10	
Dibenz(a,h)anthracene	ug/kg	<73.0	1810	1810	1440	1240	79	69	52-109	15	
Dibenzofuran	ug/kg	<73.0	1810	1810	1580	1380	87	76	48-112	14	
Diethylphthalate	ug/kg	<73.0	1810	1810	1100	1050	61	58	51-114	5	
Dimethylphthalate	ug/kg	<73.0	1810	1810	809	751	45	42	49-112	7	M1
Fluoranthene	ug/kg	636	1810	1810	2010	1760	76	62	45-126	13	
Fluorene	ug/kg	<73.0	1810	1810	1610	1410	89	78	47-108	13	
Hexachloro-1,3-butadiene	ug/kg	<73.0	1810	1810	1480	1370	81	76	36-118	8	
Hexachlorobenzene	ug/kg	<73.0	1810	1810	1620	1410	89	78	51-110	14	
Hexachlorocyclopentadiene	ug/kg	<360	1810	1810	<359	<358	2	2	10-97		IC,IH,M1
Hexachloroethane	ug/kg	<73.0	1810	1810	954	821	53	45	34-105	15	
Indeno(1,2,3-cd)pyrene	ug/kg	241	1810	1810	1380	1190	63	52	50-108	15	
Isophorone	ug/kg	299	1810	1810	1510	1830	67	85	14-129	20	
N-Nitroso-di-n-propylamine	ug/kg	<73.0	1810	1810	895	808	49	45	33-109	10	
N-Nitrosodiphenylamine	ug/kg	<73.0	1810	1810	1520	1320	84	73	39-90	14	
Naphthalene	ug/kg	119	1810	1810	1350	1210	68	60	18-142	11	
Nitrobenzene	ug/kg	<73.0	1810	1810	1010	906	54	48	36-119	11	
Pentachlorophenol	ug/kg	<730	1810	1810	<729	<727	2	5	22-115		M1
Phenanthrene	ug/kg	514	1810	1810	1940	1690	78	65	47-124	13	
Phenol	ug/kg	<73.0	1810	1810	636	606	35	33	38-104	5	M1
Pyrene	ug/kg	510	1810	1810	1920	1710	78	67	49-132	11	
1,2-Dichlorobenzene-d4 (S)	%						62	54	20-130		
2,4,6-Tribromophenol (S)	%						3	5	19-122		S5
2-Chlorophenol-d4 (S)	%						5	7	20-130		S5

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 231564 231565											
Parameter	Units	7037998010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2-Fluorobiphenyl (S)	%						75	65	30-115		
2-Fluorophenol (S)	%						3	3	25-121		S5
Nitrobenzene-d5 (S)	%						48	44	23-120		
p-Terphenyl-d14 (S)	%						83	72	18-137		
Phenol-d5 (S)	%						32	31	24-113		

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QUALITY CONTROL DATA

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

QC Batch:	49716	Analysis Method:	ASTM D2216-92M
QC Batch Method:	ASTM D2216-92M	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	7037998001, 7037998002, 7037998003, 7037998004, 7037998005, 7037998006, 7037998007, 7037998008, 7037998009, 7037998010		

SAMPLE DUPLICATE: 231115

Parameter	Units	7037996021 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	29.0	27.8	4	

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QUALIFIERS

Project: EDDINGTON ENVIRONMENTAL
Pace Project No.: 7037998

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 7037998001
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.
Sample: 7037998002
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.
Sample: 7037998003
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.
Sample: 7037998004
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.
Sample: 7037998005
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.
[2] Method 8270D: The internal Standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.
Sample: 7037998006
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.
Sample: 7037998007
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.
[2] Method 8270D: The internal Standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.
Sample: 7037998008
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

SAMPLE QUALIFIERS

Sample: 7037998008

- [2] Method 8270D: The internal Standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

Sample: 7037998009

- [1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.

Sample: 7037998010

- [1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.

Sample: 232422

- [1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.

ANALYTE QUALIFIERS

- | | |
|----|--|
| CL | The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low. |
| D6 | The precision between the sample and sample duplicate exceeded laboratory control limits. |
| IC | The initial calibration for this compound was outside of method control limits. The result is estimated. |
| IH | This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value. |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |
| N3 | Accreditation is not offered by the relevant laboratory accrediting body for this parameter. |
| R1 | RPD value was outside control limits. |
| S5 | Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis). |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7037998001	C-1	EPA 3050B	49981	EPA 6010C	50084
7037998002	C-2	EPA 3050B	49981	EPA 6010C	50084
7037998003	C-3	EPA 3050B	49981	EPA 6010C	50084
7037998004	C-4	EPA 3050B	49981	EPA 6010C	50084
7037998005	C-5	EPA 3050B	49981	EPA 6010C	50084
7037998006	C-6	EPA 3050B	49981	EPA 6010C	50084
7037998007	C-7	EPA 3050B	49981	EPA 6010C	50084
7037998008	C-8	EPA 3050B	49981	EPA 6010C	50084
7037998009	C-9	EPA 3050B	49981	EPA 6010C	50084
7037998010	C-10	EPA 3050B	49981	EPA 6010C	50084
7037998001	C-1	EPA 7471B	49868	EPA 7471B	49964
7037998002	C-2	EPA 7471B	49868	EPA 7471B	49964
7037998003	C-3	EPA 7471B	49868	EPA 7471B	49964
7037998004	C-4	EPA 7471B	49868	EPA 7471B	49964
7037998005	C-5	EPA 7471B	49868	EPA 7471B	49964
7037998006	C-6	EPA 7471B	49868	EPA 7471B	49964
7037998007	C-7	EPA 7471B	49868	EPA 7471B	49964
7037998008	C-8	EPA 7471B	49868	EPA 7471B	49964
7037998009	C-9	EPA 7471B	49868	EPA 7471B	49964
7037998010	C-10	EPA 7471B	49868	EPA 7471B	49964
7037998001	C-1	EPA 3545A	49786	EPA 8270D	49896
7037998002	C-2	EPA 3545A	49786	EPA 8270D	49896
7037998003	C-3	EPA 3545A	49786	EPA 8270D	49896
7037998004	C-4	EPA 3545A	49786	EPA 8270D	49896
7037998005	C-5	EPA 3545A	49786	EPA 8270D	49896
7037998006	C-6	EPA 3545A	49786	EPA 8270D	49896
7037998007	C-7	EPA 3545A	49786	EPA 8270D	49896
7037998008	C-8	EPA 3545A	49786	EPA 8270D	49896
7037998009	C-9	EPA 3545A	49786	EPA 8270D	49896
7037998010	C-10	EPA 3545A	49786	EPA 8270D	49896
7037998001	C-1	EPA 5035A-L	49885	EPA 8260C	50025
7037998002	C-2	EPA 5035A-L	49885	EPA 8260C	50025
7037998003	C-3	EPA 5035A-L	49885	EPA 8260C	50025
7037998004	C-4	EPA 5035A-L	49885	EPA 8260C	50025
7037998005	C-5	EPA 5035A-L	49885	EPA 8260C	50025
7037998006	C-6	EPA 5035A-L	49885	EPA 8260C	50025
7037998007	C-7	EPA 5035A-L	49885	EPA 8260C	50025
7037998008	C-8	EPA 5035A-L	49885	EPA 8260C	50025
7037998009	C-9	EPA 5035A-L	49885	EPA 8260C	50025
7037998010	C-10	EPA 5035A-L	49885	EPA 8260C	50025
7037998001	C-1	ASTM D2216-92M	49716		
7037998002	C-2	ASTM D2216-92M	49716		
7037998003	C-3	ASTM D2216-92M	49716		
7037998004	C-4	ASTM D2216-92M	49716		
7037998005	C-5	ASTM D2216-92M	49716		
7037998006	C-6	ASTM D2216-92M	49716		
7037998007	C-7	ASTM D2216-92M	49716		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EDDINGTON ENVIRONMENTAL

Pace Project No.: 7037998

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7037998008	C-8	ASTM D2216-92M	49716		
7037998009	C-9	ASTM D2216-92M	49716		
7037998010	C-10	ASTM D2216-92M	49716		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be complete

WO# : 7037998



7037998

Section A

Required Client Information:

Company: City of Geneva Report To: Gordon Edgington
 Address: 100 N. Genesee St. Copy To: geddingi@yahoo.com
 Email To: geddingi@yahoo.com Purchase Order No.:
 Phone: / Fax:
 Requested Due Date/TAT: 24-48hrs

Section B

Required Project Information:

Attention: Gordon Edgington
 Company Name: City of Geneva
 Address: 100 N. Genesee St.
 Pace Quote Reference: Geneva, NY 14456
 Pace Project Manager:
 Pace Profile #:

Section C

Invoice Information:

Regulatory Agency: NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER
 Site Location: STATE:

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other	COLLECTED				SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	Preservatives	Y/N	Analysis Test	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
			COMPOSITE START	COMPOSITE END/GRAB	DATE	TIME								
1	C-1				12/11/17	10:15	G	SL	2	Unpreserved		VOCs		001
2	C-2					10:25								002
3	C-3					10:40								003
4	C-4					10:55								004
5	C-5					11:10								005
6	C-6					11:30								006
7	C-7					11:45								007
8	C-8					12:00								008
9	C-9					12:20								009
10	C-10					12:35								010
11														
12														

ADDITIONAL COMMENTS: Handwritten notes and signatures

RELINQUISHED BY / AFFILIATION: Handwritten signature DATE: 12/12/17 TIME: 1700

ACCEPTED BY / AFFILIATION: Handwritten signature DATE: 12/13/17 TIME: 10:10

DATE Signed (MM/DD/YYYY): 12/13/17

Temp In °C: 23

Received on: Y

Sealed Cooler: Y

Custody: Y

Samples Intact: Y

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



Sample Condition Upon Receipt

Client Name:

Geneva

Project

WO#: 7037998

PM: JM2 Due Date: 12/18/17

CLIENT: GENEVA

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 4099 9470 8213

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No

Seals intact: ☒ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☒ Ziploc ☐ None ☐ Other

Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: (H092)

Correction Factor: +0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 3.4

Cooler Temperature Corrected (°C): 3.4

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☒ N/A, water sample

Date and Initials of person examining contents: SG 12/13/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☒ NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. <u>24-48 Hour TAT</u>
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix <u>SL</u> WT OIL		
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).		
Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

APPENDIX I

DUSRS FOR ALL ENDPOINT SAMPLES

To: File
From: Karen Storne
Re: Geneva Foundry Investigation DUSR
File: 1740/33239
Date: June 30, 2006

cc: D Meixell
S Spiegel

A usability review of analytical data was performed for the analyses that were performed for the Geneva Foundry Site located in Geneva, New York. The samples were analyzed using United States Environmental Protection Agency (USEPA) methods. The following table summarizes the analysis performed for this investigation.

Table 1-1. Analytical methods and references		
Parameter	Method	Reference
VOCs	USEPA Method 5030A/5030B/8260B	1
SVOCs	USEPA Method 3520C/3550B/8270C	1
Metals	USEPA Method 3005B/6010B	1
Mercury	USEPA Method 7470A/7471A	1
Percent Total Solids	2540-G	2
Note:		
1	United States Environmental Protection Agency (USEPA). 2004. <i>Test Methods for Evaluating Solid Waste: Physical/Chemical Methods</i> , SW-846, 3rd Edition, Update IIIB. Washington D.C.	
2	American Water Works Association (AWWA), American Public Health Association (APHA) and Water Environment Federation (WEF). 1992. <i>Standard Methods for the Examination of Water and Wastewater</i> , 18th Edition. Washington, D.C.	

The samples submitted for data validation are summarized in Table 1-2 provided in Attachment A.

The laboratory packages generated by Life Science Laboratories, Inc. contained summary forms for quality control analysis and supportive raw data. Full validation was performed on the aqueous and soil samples collected for this investigation. The analytical data generated for this investigation were evaluated by O'Brien & Gere using the quality assurance/quality control (QA/QC) criteria established in the USEPA Methods.

Data affected by excursions from criteria presented in the USEPA Methods were qualified using guidance provided in the following document and professional judgment:

- United States Environmental Protection Agency (USEPA). 1992. *USEPA Region II Evaluation of Metals Data for the CLP Program*, SOP HW-2 Revision 11, (modified for SW-846 methods). New York, NY.
- United States Environmental Protection Agency (USEPA). 2001. *USEPA Region II Validating Semivolatile Organic Compounds by SW-846 Method 8270B*, SOP HW-22. New York, NY.
- United States Environmental Protection Agency (USEPA). 1999. *USEPA Region II Standard Operating Procedure For the Validation of Organic Data Acquired Using SW-846 Method 8260B*, SOP HW-24. New York, NY

The data review included evaluating the following parameters:

- Chain-of-custody records
- Sample collection issues
- Holding times and sample preservation
- Calibrations

F:\2015003.00 - City of Geneva - Geneva Foundry Site\FER\FER Appendices\Appendix I - DUSRs for all Endpoint Samples\Geneva Foundry DV DUSR 06 2006_1.doc

- Blank analysis
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control sample (LCS) analysis
- Field duplicate analysis
- Surrogate recoveries
- Internal standards performance
- Gas chromatography/mass spectrometry (GC/MS) instrument check
- Inductively Coupled Plasma (ICP) interference check sample analysis
- ICP serial dilution analysis
- Target analyte quantification, identification, and reported detection limits
- Documentation completeness
- Overall data assessment

O'Brien & Gere applies the following general approaches for application of data validation qualifiers when control limits are exceeded:

- If percent recoveries are less than laboratory control limits but greater than ten percent, non-detected, and detected results are qualified as approximate for organics (UJ, J).
- If percent recoveries are greater than laboratory control limits, detected results are qualified as approximate (J).
- If percent recoveries are less than ten percent, detected results are qualified as approximate (J) and non-detected results are qualified as rejected (R).
- If relative percent differences (RPDs) for matrix spikes (MSs) and matrix spike duplicates (MSDs) are outside of laboratory control limits, detected results are qualified as approximate (J).
- If RPDs for field duplicates are outside of validation criteria, detected and non-detected results are qualified as approximate (UJ, J).

For USEPA Method 8260B, target analytes were evaluated using the criteria of 15 percent relative standard deviation, (%RSD) for initial calibrations, or correlation coefficient of 0.990 for calibration curves, 20 percent difference (%D) for calibration verifications, and response factors (RFs) greater than or equal to 0.05 for target analytes and RFs greater than 0.01 for ketones.

For USEPA Method 8270C, target analytes were evaluated using the criteria of 15 percent relative standard deviation, (%RSD) for initial calibrations, or correlation coefficient of 0.990 for calibration curves, 20 percent difference (%D) for calibration verifications, and response factors (RFs) greater than or equal to 0.05 for target analytes.

For USEPA Methods 8260B and 8270C, sample result internal standard areas were evaluated using control limits of 50 percent to 200 percent recovery of the areas in the associated calibration verifications.

Field duplicate data were evaluated against relative percent difference (RPD) criteria of less than 50 percent for aqueous samples and less than 100 percent for solid samples when results were greater than five times the

reporting limit. When sample results for field duplicate pairs were less than five times the reporting limit, the data were evaluated using control limits of plus or minus two times the reporting limit.

The following sections of this memorandum presents the results of the comparison of the analytical data to the QA/QC criteria specified in USEPA Methods, the validation criteria applied to this analysis, and the qualifiers assigned to the data when the QA/QC criteria were not met. Excursions that resulted in the qualification of samples and additional observations are presented in the following sections.

SAMPLE COLLECTION ISSUES

Field duplicates were not collected as part of this investigation. Therefore, precision of the field collection process could not be evaluated during the validation task. Laboratory precision was measured through the evaluation of matrix spike/ matrix spike duplicate analyses.

DOCUMENTATION COMPLETENESS

During the validation process, the laboratory provided clarification information to supplement the data package material. This information was necessary to complete the validation process.

VOLATILE ORGANIC COMPOUND DATA EVALUATION SUMMARY

Excursions from quality control criteria and additional observations are summarized below.

I. Chain-of-custody records

The chain-of-custody records were completed properly.

II. Holding times

The method and validation holding time criterion for volatile organic analyses was met.

III. Blank analysis

Trip blanks, equipment blanks and method blanks were analyzed to evaluate the potential of introduced concentrations of target compounds. As a result of contamination in the in the method blanks, the result for acetone in samples BH-25-D, BH-25-S, BH-20-D, BH-21-S, BH-21-D, BH-27-D, BH-24-S, BH-22-S, BH-22-D, BH-23-S, BH-24-D, BH-27-S, BH-26-S, BH-28-S, BH-28-D, BH-29-S, BH-29-D, BH-34-S, BH-35-D, BH-37, BH-35-S, BH-36-D, BH-20-S, BH-34-D, BH-30-S, BH-32-D, BH-33-S, BH-32-S, and BH-36-S were qualified as undetected (U). As a result of contamination in the in the method blanks, the result for methylene chloride in samples BH-21-S, BH-21-D, BH-22-S, BH-23-S, BH-36-D, BH-20-S, BH-20-D, BH-24-S, BH-25-S, BH-25-D, BH-26-S, BH-27-D, BH-28-S, BH-34-S, BH-34-D, BH-30-S, BH-32-S, BH-32-D, BH-33-S, and BH-36-S were qualified as undetected (U).

IV. Calibrations

Calibration data were evaluated using the validation and USEPA Method 8260B criteria. The initial calibrations met the validation and USEPA Method 8260B criteria. As a result of a minor percent deviation excursions in the associated calibration verification, the results for dichlorodifluoromethane, bromomethane, carbon disulfide, methyl tert butyl ether, and naphthalene in samples BH-20-D, BH-21-S, BH-21-D, BH-22-S, BH-22-D, BH-23-S, BH-24-S, BH-24-D, BH-25-S, BH-25-D, BH-26-S, BH-27-S were qualified as approximate (UJ, J).

As a result of minor percent deviation excursions in the associated calibration verification, results for dichlorodifluoromethane, chloroethane, carbon disulfide, methyl tert butyl ether, and naphthalene in samples BH-28-S, BH-28-D, BH-29-S, BH-29-D, BH-34-S, BH-37, BH-35-S, BH-35-D, BH-36-D, Equipment Blank 1/10/06, and Equipment Blank 1/11/06 were qualified as approximate (UJ). As a result of a minor percent deviation excursion in the associated calibration verification the results for dichlorodifluoromethane, chloromethane, trichlorofluoromethane, and bromoform in samples BH-36-S, BH-20-S, BH-34-D, BH-30-S, BH-32-D, BH-33-S, BH-32-S, Trip Blank 1/10/06, and Trip Blank 1/11/06 were qualified as approximate (UJ).

V. GC/MS instrument check

GC/MS instrument checks met USEPA Method 8260B criteria; therefore, qualification of sample results for instrument check excursions was not required.

VI. Surrogate recoveries

Surrogates were evaluated using the laboratory control limits during the validation process. Surrogate recoveries were within the laboratory control limits with the following exceptions: Target analytes in samples BH-21-S, BH-22-S, BH-22-D, BH-23-S, BH-24-S, BH-25-S, BH-28-S, BH-34-S, and BH-30-S were qualified as approximate (UJ, J) due to low surrogate recoveries.

VII. MS/MSD analysis

The laboratory used spikes containing the complete target analyte list to generate the MS/MSD data. MS/MSD recoveries and relative percent difference (RPD) values were within the laboratory control limits for the majority of the MS/MSD samples. Results for naphthalene in sample BH-37, and results for 1,1-dichloropropene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2-dibromoethane, 1,2-dichloroethane, 1,4-dichlorobenzene, bromochloromethane, cis-1,2-dichloroethene, dibromomethane, methyl tert butyl ether, methylene chloride, naphthalene, styrene, toluene and trans-1,2-dichloroethene in sample BH-20-D were qualified as approximate (UJ) due to minor MS/MSD recovery excursions..

VIII. LCS analysis

The laboratory used spikes containing the complete target analyte list to generate the LCS data. LCS recoveries were evaluated using the laboratory control limits during the validation process. LCS recoveries were within the laboratory control limits with the following exception: Results for 1,1-dichloropropene and trans-1,2-dichloroethene in samples BH-20-D, BH-21-D, BH-21-S, BH-22-S, BH-22-D, BH-23-S, BH-24-S, BH-24-D, BH-25-S, BH-25-D, BH-26-S, BH-27-S, BH-27-D were qualified as approximate (UJ) due to minor LCS recovery excursions.

IX. Internal standards performance

Internal standard recoveries and retention time consistency were evaluated during the validation process. Results for 1,1,2,2-tetrachloroethene, isopropylbenzene, 1,2,3-trichloropropane, bromobenzene, n-propylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, 1,3-dichlorobenzene, p-isopropyltoluene, 1,4-dichlorobenzene, n-butylbenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene and 1,2,3-trichlorobenzene in samples BH-20-S, BH-20-D, BH-21-S, BH-21-D, BH-22-S, BH-22-D, BH-24-S, BH-24-D, BH-23-S, BH-28-S, BH-37, BH-36-S, BH-34-D, BH-30-S were qualified as approximate (UJ, J) due to minor internal standard recovery excursions. Results for 1,3-dichloropropane, dibromochloromethane, tetrachloroethene, 1-chlorohexane, 1-chlorobenzene, ethylbenzene, xylenes, styrene, 1,1,1,2-tetrachlorobenzene, and bromoform in samples BH-25-S and BH-34-S were qualified as approximate (UJ, J) due to minor internal standard recovery excursions. Results for 1,1,2,2-tetrachloroethene, isopropylbenzene, 1,2,3-trichloropropane, bromobenzene, n-propylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,3,5-trimethylbenzene, naphthalene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, 1,3-dichlorobenzene, p-isopropyltoluene, 1,4-dichlorobenzene, n-butylbenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorobutadiene, and 1,2,3-trichlorobenzene in samples BH-25-S and BH-34-S were rejected (R) due to major internal standard recovery excursions. Re-analyses of the impacted samples confirmed the internal standard excursions.

X. Field duplicates

Field duplicate results were not collected during this investigation.

XI. Target analyte quantitation, identification and reported detection limits

A dilution was performed for sample BH-23-S as a result of matrix interference.

The qualifier “J” was applied by the laboratory when the analyte concentration was greater than the MDL but less than the practical quantitation limit (PQL). This qualifier has been retained during the validation process to indicate that the result is considered to be approximate.

XII. Overall assessment

- Target analytes were qualified as non-detected (U) due to method blank contamination.
- Target analytes were qualified as approximate (UJ, J) due to minor calibration verification excursions.
- Target analytes were qualified as approximate (UJ, J) due to minor surrogate recovery excursions.
- Target analytes were qualified as approximate (UJ) due to minor MS/MSD recovery excursions.
- Target analytes were qualified as approximate (UJ) due to minor LCS recovery excursions.
- Target analytes were qualified as approximate (UJ, J) due to minor internal standard recovery excursions.
- Results for 1,1,2,2-tetrachloroethene, isopropylbenzene, 1,2,3-trichloropropane, bromobenzene, n-propylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, 1,3-dichlorobenzene, p-isopropyltoluene, 1,4-dichlorobenzene, n-butylbenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, naphthalene, 1,2,4-trichlorobenzene, hexachlorobutadiene, and 1,2,3-trichlorobenzene in samples BH-25-S and BH-34-S were rejected (R) due to major internal standard recovery excursions.
- The analyte concentrations reported by the laboratory that were greater than the MDL but less than the laboratory PQL, were qualified as approximate (J).

SEMIVOLATILE ORGANIC COMPOUND DATA EVALUATION SUMMARY

Excursions from quality control criteria and additional observations are summarized below.

I. Chain-of-custody records

The chain-of-custody records were completed properly.

II. Holding times

The method and validation holding time criterion for semivolatile organic analyses was met for the samples.

III. Blank analysis

Equipment blanks and method blanks were analyzed to evaluate the potential of introduced concentrations of target compounds. Results for di-n-butyl phthalate in samples BH-20-S, BH-20-D, BH-21-S, BH-21-D, BH-22-S, BH-24-D, BH-27-S, BH-29-S, and BH-34-D were qualified as non-detected (U) due to method blank contamination.

IV. Calibrations

Calibration data were evaluated using the validation and USEPA Method 8270C criteria. The initial calibrations met the validation and USEPA Method 8260B criteria. Results for aniline and bis (2-chloroisopropyl) ether in samples BH-24-S, Equipment Blank 1/10/06, Equipment Blank 1/11/06, BH-20-S, BH-20-D, BH-21-S, BH-21-D, BH-22-S, and BH-22-D were qualified as approximate (UJ) due to minor calibration verification excursions. Results for benzoic acid in samples BH-24-D, BH-26-S, BH-28-S, BH-34-S, BH-25-D, BH-27-S, BH-29-S, and BH-34-D were qualified as approximate (UJ) due to minor calibration verification excursions. Results for aniline, bis (2-chloroisopropyl) ether, hexachlorobutadiene, and 4-nitrophenol in samples BH-27-D, BH-28-D, BH-29-D, BH-25-S, BH-32-S, and BH-32-D were qualified as approximate (UJ) due to minor calibration verification excursions.

V. GC/MS instrument check

GC/MS instrument checks met USEPA Method 8270C criteria; therefore, qualification of sample results for instrument check excursions was not required.

VI. Surrogate recoveries

Surrogates were evaluated using the laboratory control limits during the validation process. Surrogate recoveries were within the laboratory control limits with the following exceptions: Base neutral target analytes in sample BH-27-D were qualified as approximate (UJ, J) due to low surrogate recoveries. The re-analysis of the sample confirmed the surrogate recovery excursions.

VII. MS/MSD analysis

The laboratory used spikes containing the complete target analyte list to generate the MS/MSD data. MS/MSD recoveries and relative percent difference (RPD) values were within the laboratory control limits for the majority of the MS/MSD samples. The result for aniline in sample BH-37 was qualified as approximate (UJ) due to minor MS/MSD recovery excursions.

VIII. LCS analysis

The laboratory used spikes containing the complete target analyte list to generate the LCS data. LCS recoveries were evaluated using the laboratory control limits during the validation process. Results for 4-chloroaniline in samples BH-37, BH-35-S, BH-35-D, BH-36-S, BH-36-D, BH-30-S, BH-32-S, BH-32-D, and BH-33-S were qualified as approximate (UJ) due to minor LCS recovery excursions. The non-detected results for benzoic acid in Equipment Blank 1/10/06 and Equipment Blank 1/11/06 were rejected (R) due to major LCS recovery excursions.

IX. Internal standards performance

Internal standard recoveries and retention time consistency were evaluated during the validation process. Results for benzo(b) fluoroanthene, benzo(k) fluoroanthene, benzo (g,h,i) perylene, benzo(a) perylene and dibenz(a,h) anthracene in samples BH-36-S, BH-36-D, BH-30-S, BH-33-S, BH-24-S, BH-27-S, BH-29-S, BH-34-D, BH-34-S, and BH-28-S were qualified as approximate (UJ, J) due to minor internal standard recovery excursions. Results for benzo(a)anthracene, bis (2-ethylhexyl) phthalate, butyl benzyl phthalate, chrysene, 3,3'-dichlorobenzidine, pyrene, di-n-octyl phthalate and indeno (1,2,3-cd) pyrene in samples BH-34-D, BH-34-S, and BH-28-S were qualified as approximate (UJ, J) due to minor internal standard recovery excursions.

X. Field duplicates

Field duplicate results were not collected during this investigation.

XI. Target analyte quantitation, identification and reported detection limits

Dilutions were performed for samples as a result of high concentrations of target analytes detected in the samples and matrix interferences.

The qualifier "J" was applied by the laboratory when the analyte concentration was greater than the MDL but less than the practical quantitation limit (PQL). This qualifier has been retained during the validation process to indicate that the result is considered to be approximate.

XII. Overall assessment

- Target analytes were qualified as non-detected (U) due to method blank contamination.
- Target analytes were qualified as approximate (UJ) due to minor calibration verification excursions.
- Target analytes were qualified as approximate (UJ, J) due to minor surrogate recovery excursions.
- The result for aniline was qualified as approximate (UJ) due to a minor MS/MSD recovery excursion.
- Target analytes were qualified as approximate (UJ) due to minor LCS recovery excursions.
- The non-detected results for benzoic acid in Equipment Blank 1/10/06 and Equipment Blank 1/11/06 were rejected (R) due to major LCS recovery excursions.
- Target analytes were qualified as approximate (UJ, J) due to minor internal standard recovery excursions.

- The analyte concentrations reported by the laboratory that were greater than the MDL but less than the laboratory PQL, were qualified as approximate (J).

METALS DATA EVALUATION SUMMARY

Excursions from quality control criteria and additional observations are summarized below.

I. Chain-of-custody records

The chain-of-custody records were completed properly.

II. Holding times

The method and validation holding time criterion for metals and mercury was met; therefore qualification of sample results for holding time excursions was not required.

III. Blank analysis

Equipment blanks and method blanks were analyzed to evaluate the potential of introduced concentrations of target compounds. The results for cadmium in sample BH-36-D and for silver in samples BH-22-S, BH-22-D, BH-23-S, and BH-36-D were qualified as non-detected due to equipment blank contamination.

IV. Calibrations

Calibration data were evaluated using the validation and method criteria. The initial calibrations and calibration verifications met the validation and method criteria; therefore qualification of sample results for calibration excursions was not required.

V. MS/MSD analysis

MS/MSD recoveries and relative percent difference (RPD) values were evaluated. The results for magnesium in samples BH-20-S, BH-20-D, BH-21-S, BH-21-D, BH-22-S, BH-22-D, BH-23-S, BH-24-S, BH-24-D, BH-25-S, BH-25-D, BH-26-S, BH-27-S, BH-27-D, BH-28-S, BH-28-D, BH-29-S, BH-29-D, BH-34-S, and BH-34-D were qualified as approximate (J) due to a minor MS recovery excursion.

VI. LCS analysis

LCS recoveries were evaluated using the laboratory control limits during the validation process. LCS recoveries were within the laboratory control limits; therefore qualification of sample results for LCS excursions was not required.

VII. Serial dilution analysis

Serial dilution analyses were evaluated. The results for arsenic in samples BH-27-D, BH-28-S, BH-20-S, BH-20-D, BH-21-D, BH-22-S, BH-22-D, BH-23-S, BH-24-S, and BH-25-S were qualified as approximate (J) due to a minor serial dilution excursion. The results for chromium in samples BH-20-D, BH-22-S, BH-24-S, BH-24-D, BH-25-S, BH-26-S, BH-27-D, BH-28-S, BH-28-D, BH-29-D, and BH-34-S were qualified as approximate (J) due to a minor serial dilution excursion.

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VIII. Field duplicates

Field duplicate results were not collected during this investigation.

IX. Target analyte quantitation, identification and reported detection limits

Dilutions were performed for samples as a result of high concentrations of target analytes detected in the samples.

The qualifier “J” was applied by the laboratory when the analyte concentration was greater than the MDL but less than the practical quantitation limit (PQL). This qualifier has been retained during the validation process to indicate that the result is considered to be approximate.

X. Overall assessment

- Target analytes were qualified as non-detected (U) due to equipment blank contamination.
- Results for magnesium were qualified as approximate (J) due to minor MS/MSD recovery excursions.
- Target analytes were qualified as approximate (J) due to minor serial dilution excursions.
- The analyte concentrations reported by the laboratory that were greater than the MDL but less than the laboratory PQL, were qualified as approximate (J).

DATA USABILITY

The aqueous and soil samples, trip blanks, and equipment blanks collected as part of the Geneva Foundry Investigation were evaluated based on QA/QC criteria established by USEPA Methods as listed in Table 1-1. Data validation qualifiers were applied utilizing the USEPA Region II data validation guidance and professional judgment. Major deficiencies in the data generation process resulted in data points being rejected, indicating that the data are considered unusable for either quantitative or qualitative purposes. Minor deficiencies in the data generation process resulted in sample data being characterized as approximate. Identification of a data point as approximate indicates uncertainty in the reported concentration of the chemical, but not its assigned identity.

Rejected Data

The following table summarizes the sample results that were rejected as a result of the data validation process that was performed on the data, based on method criteria, validation guidance, and professional judgment.

Table 1-5. Summary of Rejected Sample Results

Analysis type (impacted analytes)	Sample Identification	Qualifier	Excursion
VOC (1,1,2,2-tetrachloroethene, isopropylbenzene, 1,2,3-trichloropropane, bromobenzene, n-propylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, 1,3-dichlorobenzene, p-isopropyltoluene, 1,4-dichlorobenzene, n-butylbenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, , hexachlorobutadiene, naphthalene, 1,2,3-trichlorobenzene)	BH-25-S and BH-34-S	R	Major internal standard recovery excursion

Table 1-5. Summary of Rejected Sample Results

Analysis type (impacted analytes)	Sample Identification	Qualifier	Excursion
SVOC (benzoic acid)	Equipment Blank 1/10/06 and Equipment Blank 1/11/06	R	Major LCS recovery excursion.
Note: VOC indicates volatile organic compound. SVOC indicates semivolatile organic compound.			

A discussion of the data quality with regard to the parameters follows:

Precision: Data usability with respect to precision is 100 percent for the VOC, SVOC and metal data. None of the VOC, SVOC and metal data were rejected for precision excursions.

Sensitivity: Sensitivity is established by reported detection limits which represent measurable concentrations of analytes which can be determined with a designated level of confidence. With the exception of dilutions performed during the analyses, sensitivity requirements were met for the sample data in this project.

Accuracy: Data usability with respect to accuracy is 100 percent for the metal data and greater than 95 percent for the VOC and SVOC data. VOC and SVOC data were rejected due to major internal standard and LCS recovery excursions.

Representativeness: Data usability with respect to representativeness is 100 percent for VOC, SVOC and metal data. None of the VOC, SVOC and metal data were rejected for representativeness excursions.

Comparability: Data usability with respect to comparability is 100 percent, as standardized analytical methods, reporting limits, reference materials, and data deliverables were used throughout the data generation process for this project.

Completeness: Overall data usability with respect to completeness is 100 percent for the metal data and greater than 95 percent for the VOC and SVOC data. Therefore, the majority of the data were determined to be usable for qualitative and quantitative purposes.

Data Validation Services

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April 6, 2018

David Meixell
Plumley Engineering, PC
8232 Loop Rd
Baldwinville, NY 13027

RE: Data Usability Summary Report for the Former Geneva Foundry Analytical Data
SGS Accutest SDG No. JC51245, JC54627, JC55795, and JC56533

Dear Mr. Meixell:

Review has been completed for the data packages generated by SGS Accutest that pertain to samples collected between 09/8/17 and 11/27/17 at the Former Geneva Foundry site. Twenty one soil samples and a field duplicate were processed for the 6 NYCRR Part 375 volatile analytes. Eleven soil samples and a field duplicates were processed for Part 375 semivolatiles, Part 375 Aroclor PCBs, Part 375 Pesticides, Silvex, Part 375 metals, total cyanide, hexavalent and trivalent chromium, and redox potential. Field blanks were also processed. The analytical methodologies are those of the USEPA SW846.

The data package submitted contains full deliverables for validation, and this usability report is generated from review of the summary form information, with full review of sample raw data, and limited review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, the specific laboratory methodologies, and professional judgment, as affects the usability of the data. The following items were reviewed:

- * Laboratory Narrative Discussion
- * Custody Documentation
- * Holding Times
- * Surrogate and Internal Standard Recoveries
- * Matrix Spike Recoveries/Duplicate Correlations
- * Blind Field Duplicate Correlations
- * Preparation and Calibration/Blanks
- * Laboratory Control Samples
- * Calibration/Low Level Standards
- * Sample Result Verification

The data review includes evaluation of the specific items noted in The NYS DER-10 Appendix B section 2.0 (c). The items listed above that show deficiencies are discussed within the text of this

narrative. The laboratory QC forms illustrating the excursions can be found within the laboratory data package.

In summary, sample results are usable either as reported or with minor qualification.

Data completeness, representativeness, accuracy, precision, sensitivity, and the analytical method comparability are acceptable.

Included with this narrative are listings of sample identifications covered in this report and the laboratory EDDs edited to reflect the validation qualifications recommended in this report.

The following text discusses quality issues of concern.

Chain-of-Custodies

The custody forms should have stated the location at which the matrix spikes were collected. The IDs were confirmed at sample receipt.

The volatile fractions of the samples were not collected according to method 5035, and were not preserved by the laboratory within 48 hours. There may be a low bias to the sample volatile reported results.

Samples collected 11/27/17 were not received by the laboratory until 12/05/17, sitting three days each in of two different locations during the interim. Memorandums should be made to the file to document the condition (temperature) and custody during those transfers.

The custody forms do not have fields for the date and time for some of the interim transfers.

The entry for the final transfer for laboratory receipt does not include the year.

The analysis requests were not designated on the custodies for samples reported in SDG JC54627, but this issue was resolved at sample receipt.

Blind Field Duplicate Evaluations

The blind field duplicate evaluations were performed on G-18, C-8, S-21, and S-23, and show acceptable correlations, with the following exceptions, results for which are qualified as estimated in the indicated parent sample and its duplicate:

- fluoranthene, phenanthrene, and pyrene in C-8
- aluminum, beryllium, chromium, copper, iron, magnesium, nickel, and mercury in S-21

Volatile Analyses by EPA8260C

Matrix spikes and/or laboratory duplicate of G1 and G18 show recoveries and correlations within validation guidance limits. Although the Duplicate correlation values are all high for G-18, that is because they were calculated using concentrations, which are not adjusted for the variance in matrix spike weights. When using the recovery values, the correlations are acceptable.

Holding times were met. Surrogate and internal standard responses are compliant. Calibration standards show responses within validation action guidelines. Blanks show no contamination.

Tentatively Identified Compounds (TICs) are overly characterized; not all match the reported identification.

Semivolatiles by EPA 8270D

Matrix spikes of S-1, S-21, and S-23 show recoveries and correlations within laboratory acceptance ranges.

Holding times were met. Surrogate and internal standard responses are compliant. Blanks show no contamination.

Calibration standards show responses within validation action guidelines, with the exception of that for pentachlorophenol (43%) in the calibration associated with the samples reported in SDG JC51245. Results for that compound in those samples are qualified as estimated in value.

All of the Tentatively Identified Compounds (TICs) reported in SDGs JC55795 and JC56533, and most of them in SDG JC546278 are extraction artifacts, and have been removed as sample components.

Part 375 Pesticides, Aroclor PCBs, and Silvex by EPA Methods 8081B, 8082A, and 8151

The result for silvex in the Field Blank reported in SDG JC51245 is qualified as estimated due to being processed one day beyond the allowable holding time.

The results for 4,4'-DDT in C1 and endosulfan sulfate in C6 are edited to reflect non-detection due to poor dual column correlations, indicating interferences.

Blanks show no contamination. Surrogate recoveries are acceptable. Calibration standards show acceptable responses.

Matrix spikes of silvex, pesticides, and Aroclor 1016/1260 on C8 show recoveries and correlations within laboratory acceptance ranges. There is a form entry error on the pesticide form for C8; all are actually OK.

Metals Analyses by EPA 6010C, 6020A, 7470, and 7471B

The ICP serial dilution evaluations of C8, S-1, S-21, and S-23 show acceptable correlations, with the following exception. The detected result for that element in the indicated parent sample has been qualified as estimated, with a possible low bias, due to matrix interferences:

<u>Parent Sample</u>	<u>Element</u>	<u>%Difference</u>
C8	cadmium	16

Matrix spikes/duplicates were performed on C8, S-1, S-21, and S-23, and show recoveries and correlations within validation guidelines, with the following exceptions, results for which are qualified as estimated in the indicated parent samples:

<u>Parent Sample</u>	<u>Element</u>	<u>Outlying % Recoveries</u>
C8	lead	74,68
S-1	antimony	59,61
	potassium	156,151
S-21	antimony	55,59
	potassium	184,181
S-23	antimony	49,50
	manganese	27,50
	potassium	169,169

Instrument performance is compliant and blanks show no contamination affecting sample reported results.

Certain of the metals results are reported at elevated reporting limit due to the dilutions required by the matrix interferences.

Wet Chemistry Analyses—Total Cyanide, Hexavalent/Trivalent Chromium, Redox Potential

Review was conducted for method compliance, holding times, transcription, calculations, standard and blank acceptability, accuracy and precision, etc., as applicable to each procedure. All were found acceptable for the validated samples, unless noted specifically within this text.

The detections for total cyanide on C-7 and C-D are considered external contamination, and edited to reflect non-detection due to presence in the associated method blank.

The following matrix spike and/or duplicate evaluations were performed:

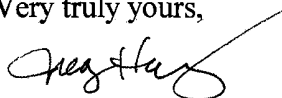
- Total cyanide on C7
- Hexavalent chromium on C8

All were within validation guidelines except that for the soluble recovery for hexavalent chromium in C8 (53%). The recovery for hexavalent chromium in that parent sample is qualified with a low bias, and the result for trivalent chromium in that sample is qualified with a high bias.

The result for total cyanide in the Field Blank reported in JC51245 is qualified as estimated due to delayed preservation.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,



Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

- U** The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
- J** The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
- J-** The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
- J+** The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
- UJ** The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ** The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
- R** The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
- EMPC** The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Client and Laboratory Sample IDs



Sample Summary

Plumley Environmental Engineers

Job No: JC51245

Former Geneva Foundry Regrading, Jackson Street, Geneva, NY
Project No: 2015003.011

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC51245-1	09/18/17	08:35 DTH	09/20/17	SO	Soil	G1
JC51245-2	09/18/17	08:35 DTH	09/20/17	SO	Soil	G2
JC51245-3	09/18/17	09:50 DTH	09/20/17	SO	Soil	G3
JC51245-4	09/18/17	11:10 DTH	09/20/17	SO	Soil	G4
JC51245-5	09/18/17	11:45 DTH	09/20/17	SO	Soil	G5
JC51245-6	09/18/17	12:15 DTH	09/20/17	SO	Soil	G6
JC51245-7	09/18/17	12:20 DTH	09/20/17	SO	Soil	G7
JC51245-8	09/18/17	09:30 DTH	09/20/17	SO	Soil	G8
JC51245-9	09/18/17	09:00 DTH	09/20/17	SO	Soil	G9
JC51245-10	09/18/17	10:08 DTH	09/20/17	SO	Soil	G10
JC51245-11	09/18/17	10:00 DTH	09/20/17	SO	Soil	G11
JC51245-12	09/18/17	11:20 DTH	09/20/17	SO	Soil	G12
JC51245-13	09/18/17	11:50 DTH	09/20/17	SO	Soil	G13

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Plumley Environmental Engineers

Job No: JC51245

Former Geneva Foundry Regrading, Jackson Street, Geneva, NY
Project No: 2015003.011

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
JC51245-14	09/18/17	12:25 DTH	09/20/17	SO Soil	G14
JC51245-15	09/18/17	13:20 DTH	09/20/17	SO Soil	G15
JC51245-16	09/18/17	13:25 DTH	09/20/17	SO Soil	G16
JC51245-17	09/18/17	13:30 DTH	09/20/17	SO Soil	G17
JC51245-18	09/18/17	14:30 DTH	09/20/17	SO Soil	G18
JC51245-18D	09/18/17	14:30 DTH	09/20/17	SO Soil Dup/MSD	G-MSD (GRAB MATRIX SPIKE)
JC51245-18S	09/18/17	14:30 DTH	09/20/17	SO Soil Matrix Spike	G-MS (GRAB MATRIX SPIKE)
JC51245-19	09/14/17	16:45 DTH	09/20/17	SO Soil	G19
JC51245-20	09/14/17	16:20 DTH	09/20/17	SO Soil	G20
JC51245-21	09/14/17	15:45 DTH	09/20/17	SO Soil	G21
JC51245-22	09/18/17	09:40 DTH	09/20/17	SO Soil	C1
JC51245-23	09/18/17	09:10 DTH	09/20/17	SO Soil	C2
JC51245-24	09/18/17	10:20 DTH	09/20/17	SO Soil	C3

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Plumley Environmental Engineers

Job No: JC51245

Former Geneva Foundry Regrading, Jackson Street, Geneva, NY
 Project No: 2015003.011

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC51245-25	09/18/17	11:30 DTH	09/20/17	SO	Soil	C4
JC51245-26	09/18/17	12:00 DTH	09/20/17	SO	Soil	C5
JC51245-27	09/18/17	12:35 DTH	09/20/17	SO	Soil	C6
JC51245-28	09/18/17	13:35 DTH	09/20/17	SO	Soil	C7
JC51245-29	09/18/17	14:45 DTH	09/20/17	SO	Soil	C8
JC51245-29D	09/18/17	14:45 DTH	09/20/17	SO	Soil Dup/MSD	C-MSD (COMPOSITE MARTIC SPIKE DUP)
JC51245-29S	09/18/17	14:45 DTH	09/20/17	SO	Soil Matrix Spike	C-MS (COMPOSITE MARTIC SPIKE DUP)
JC51245-30	09/14/17	16:45 DTH	09/20/17	SO	Soil	C9
JC51245-31	09/14/17	16:20 DTH	09/20/17	SO	Soil	C10
JC51245-32	09/14/17	15:45 DTH	09/20/17	SO	Soil	C11
JC51245-33	09/18/17	15:30 DTH	09/20/17	SO	Soil	G-D (GRAB DUP)
JC51245-34	09/18/17	15:30 DTH	09/20/17	SO	Soil	C-D (COMPOSITE DUP)
JC51245-35	09/18/17	18:45 DTH	09/20/17	AQ	Equipment Blank	FB-1 (EQUIPMENT BLANK)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Plumley Environmental Engineers

Job No: JC51245

Former Geneva Foundry Regrading, Jackson Street, Geneva, NY
Project No: 2015003.011

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
JC51245-36	09/21/17	16:00 DTH	09/22/17	AQ Equipment Blank	FB-1 (EQUIPMENT BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

Plumley Environmental Engineers

Job No: JC54627

Former Geneva Foundry-Remediation, Jackson Street, Geneva, NY
Project No: 2015003.012

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC54627-1	10/31/17	11:00 DM	11/03/17	SO	Soil	S-1
JC54627-2	10/31/17	11:05 DM	11/03/17	SO	Soil	S-2
JC54627-3	10/31/17	11:10 DM	11/03/17	SO	Soil	S-3
JC54627-4	10/31/17	11:15 DM	11/03/17	SO	Soil	S-4
JC54627-5	10/31/17	11:20 DM	11/03/17	SO	Soil	S-5
JC54627-6	11/01/17	08:55 DM	11/03/17	SO	Soil	S-6
JC54627-7	11/01/17	09:00 DM	11/03/17	SO	Soil	S-7
JC54627-8	11/01/17	09:05 DM	11/03/17	SO	Soil	S-8
JC54627-9	11/01/17	09:10 DM	11/03/17	SO	Soil	S-9
JC54627-10	11/01/17	09:15 DM	11/03/17	SO	Soil	S-10
JC54627-11	11/01/17	12:35 DM	11/03/17	SO	Soil	S-11
JC54627-12	11/01/17	12:40 DM	11/03/17	SO	Soil	S-12
JC54627-13	11/01/17	12:45 DM	11/03/17	SO	Soil	S-13

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Plumley Environmental Engineers

Job No: JC54627

Former Geneva Foundry-Remediation, Jackson Street, Geneva, NY
Project No: 2015003.012

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC54627-14	11/01/17	12:50 DM	11/03/17	SO	Soil	S-14
JC54627-15	11/01/17	12:55 DM	11/03/17	SO	Soil	S-15
JC54627-16	11/01/17	13:00 DM	11/03/17	SO	Soil	S-16
JC54627-17	11/01/17	14:00 DM	11/03/17	SO	Soil	S-17
JC54627-18	11/01/17	14:05 DM	11/03/17	SO	Soil	S-18
JC54627-19	11/01/17	14:10 DM	11/03/17	SO	Soil	S-19
JC54627-20	11/01/17	14:15 DM	11/03/17	SO	Soil	S-20
JC54627-21	11/01/17	14:20 DM	11/03/17	SO	Soil	S-21
JC54627-21D	11/01/17	14:20 DM	11/03/17	SO	Soil Dup/MSD	S-21
JC54627-21S	11/01/17	14:20 DM	11/03/17	SO	Soil Matrix Spike	S-21
JC54627-22	11/01/17	14:20 DM	11/03/17	SO	Soil	FIELD DUP

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

Plumley Environmental Engineers

Job No: JC55795

Former Geneva Foundry Regrading, Jackson Street, Geneva, NY
Project No: 2015003.012

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC55795-1	11/16/17	10:30 DKM	11/18/17	SO	Soil	S-22
JC55795-2	11/16/17	10:35 DKM	11/18/17	SO	Soil	S-23
JC55795-2D	11/16/17	10:35 DKM	11/18/17	SO	Soil Dup/MSD	S-23
JC55795-2S	11/16/17	10:35 DKM	11/18/17	SO	Soil Matrix Spike	S-23
JC55795-3	11/16/17	10:40 DKM	11/18/17	SO	Soil	FIELD DUP

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

Plumley Environmental Engineers

Job No: JC56533

Former Geneva Foundry-Remediation, Jackson Street, Geneva, NY
Project No: 2015003.012

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
JC56533-1	11/27/17	14:55 DKM	12/05/17	SO Soil	S-24
JC56533-2	11/27/17	15:00 DKM	12/05/17	SO Soil	S-25

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

APPENDIX J

IMPORTED MATERIALS DOCUMENTATION



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 80 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Six discrete soil samples were collected and analyzed for volatile organic compounds (VOCs). Two composite soil samples were collected and analyzed for semi-volatile organic compounds (SVOCs), inorganics and PCBs/pesticides.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Analytical results attached.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Montemorano Brothers, Inc.

Location where fill was obtained:

9491 Travell-Knapp Road

Identification of any state or local approvals as a fill source:

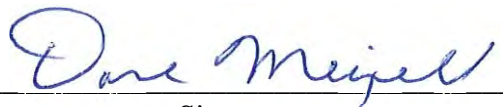
DEC Mining Permit No. 810-3-4-0564

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Analytical results attached.

The information provided on this form is accurate and complete.

A handwritten signature in blue ink, reading "David K. Meixell", written over a horizontal line.

Signature

9/11/2017

Date

David K. Meixell, P.E.

Print Name

Plumley Engineering, P.C.

Firm

October 04, 2017

Kathy McCormack
City of Geneva
47 CASTLE ST
GENEVA, NY 14456

RE: Project: FOUNDRY FILL DIRT 9/27
Pace Project No.: 7031377

Dear Kathy McCormack:

Enclosed are the analytical results for sample(s) received by the laboratory on September 29, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

Sample: MONTEMORANO TOPSOIL Lab ID: 7031377001 Collected: 09/27/17 12:00 Received: 09/29/17 10:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3545A								
Aldrin	<2.1	ug/kg	2.1	1	10/02/17 10:51	10/03/17 03:58	309-00-2	
alpha-BHC	<2.1	ug/kg	2.1	1	10/02/17 10:51	10/03/17 03:58	319-84-6	
beta-BHC	<2.1	ug/kg	2.1	1	10/02/17 10:51	10/03/17 03:58	319-85-7	
delta-BHC	<2.1	ug/kg	2.1	1	10/02/17 10:51	10/03/17 03:58	319-86-8	
gamma-BHC (Lindane)	<2.1	ug/kg	2.1	1	10/02/17 10:51	10/03/17 03:58	58-89-9	
alpha-Chlordane	<2.1	ug/kg	2.1	1	10/02/17 10:51	10/03/17 03:58	5103-71-9	
gamma-Chlordane	<2.1	ug/kg	2.1	1	10/02/17 10:51	10/03/17 03:58	5103-74-2	
4,4'-DDD	<4.1	ug/kg	4.1	1	10/02/17 10:51	10/03/17 03:58	72-54-8	
4,4'-DDE	38.9	ug/kg	4.1	1	10/02/17 10:51	10/03/17 03:58	72-55-9	
4,4'-DDT	46.1	ug/kg	4.1	1	10/02/17 10:51	10/03/17 03:58	50-29-3	CL
Dieldrin	<4.1	ug/kg	4.1	1	10/02/17 10:51	10/03/17 03:58	60-57-1	
Endosulfan I	<2.1	ug/kg	2.1	1	10/02/17 10:51	10/03/17 03:58	959-98-8	
Endosulfan II	<4.1	ug/kg	4.1	1	10/02/17 10:51	10/03/17 03:58	33213-65-9	
Endosulfan sulfate	<4.1	ug/kg	4.1	1	10/02/17 10:51	10/03/17 03:58	1031-07-8	
Endrin	<4.1	ug/kg	4.1	1	10/02/17 10:51	10/03/17 03:58	72-20-8	
Endrin aldehyde	<4.1	ug/kg	4.1	1	10/02/17 10:51	10/03/17 03:58	7421-93-4	
Endrin ketone	<4.1	ug/kg	4.1	1	10/02/17 10:51	10/03/17 03:58	53494-70-5	
Heptachlor	<2.1	ug/kg	2.1	1	10/02/17 10:51	10/03/17 03:58	76-44-8	
Heptachlor epoxide	<2.1	ug/kg	2.1	1	10/02/17 10:51	10/03/17 03:58	1024-57-3	
Methoxychlor	<20.9	ug/kg	20.9	1	10/02/17 10:51	10/03/17 03:58	72-43-5	CL
Toxaphene	<209	ug/kg	209	1	10/02/17 10:51	10/03/17 03:58	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	45	%.	30-150	1	10/02/17 10:51	10/03/17 03:58	877-09-8	
Decachlorobiphenyl (S)	88	%.	30-150	1	10/02/17 10:51	10/03/17 03:58	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3545A								
PCB-1016 (Aroclor 1016)	<40.5	ug/kg	40.5	1	10/02/17 10:51	10/02/17 18:50	12674-11-2	
PCB-1221 (Aroclor 1221)	<82.2	ug/kg	82.2	1	10/02/17 10:51	10/02/17 18:50	11104-28-2	
PCB-1232 (Aroclor 1232)	<40.5	ug/kg	40.5	1	10/02/17 10:51	10/02/17 18:50	11141-16-5	
PCB-1242 (Aroclor 1242)	<40.5	ug/kg	40.5	1	10/02/17 10:51	10/02/17 18:50	53469-21-9	
PCB-1248 (Aroclor 1248)	<40.5	ug/kg	40.5	1	10/02/17 10:51	10/02/17 18:50	12672-29-6	
PCB-1254 (Aroclor 1254)	<40.5	ug/kg	40.5	1	10/02/17 10:51	10/02/17 18:50	11097-69-1	
PCB-1260 (Aroclor 1260)	<40.5	ug/kg	40.5	1	10/02/17 10:51	10/02/17 18:50	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	51	%.	30-150	1	10/02/17 10:51	10/02/17 18:50	877-09-8	
Decachlorobiphenyl (S)	100	%.	30-150	1	10/02/17 10:51	10/02/17 18:50	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	1540	mg/kg	12.8	1	10/02/17 12:29	10/03/17 12:44	7429-90-5	
Antimony	<3.8	mg/kg	3.8	1	10/02/17 12:29	10/03/17 12:44	7440-36-0	
Arsenic	0.79	mg/kg	0.64	1	10/02/17 12:29	10/03/17 12:44	7440-38-2	
Barium	20.1	mg/kg	12.8	1	10/02/17 12:29	10/03/17 12:44	7440-39-3	
Beryllium	<0.32	mg/kg	0.32	1	10/02/17 12:29	10/03/17 12:44	7440-41-7	
Boron	<3.2	mg/kg	3.2	1	10/02/17 12:29	10/03/17 12:44	7440-42-8	
Cadmium	<0.16	mg/kg	0.16	1	10/02/17 12:29	10/03/17 12:44	7440-43-9	
Calcium	3230	mg/kg	63.8	1	10/02/17 12:29	10/03/17 12:44	7440-70-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

Sample: MONTEMORANO TOPSOIL Lab ID: 7031377001 Collected: 09/27/17 12:00 Received: 09/29/17 10:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Chromium	2.6	mg/kg	0.64	1	10/02/17 12:29	10/03/17 12:44	7440-47-3	
Cobalt	<3.2	mg/kg	3.2	1	10/02/17 12:29	10/03/17 12:44	7440-48-4	
Copper	5.6	mg/kg	1.6	1	10/02/17 12:29	10/03/17 12:44	7440-50-8	
Iron	2240	mg/kg	6.4	1	10/02/17 12:29	10/03/17 12:44	7439-89-6	
Lead	6.5	mg/kg	0.32	1	10/02/17 12:29	10/03/17 12:44	7439-92-1	
Magnesium	585	mg/kg	63.8	1	10/02/17 12:29	10/03/17 12:44	7439-95-4	
Manganese	61.1	mg/kg	0.96	1	10/02/17 12:29	10/03/17 12:44	7439-96-5	
Molybdenum	<1.3	mg/kg	1.3	1	10/02/17 12:29	10/03/17 12:44	7439-98-7	
Nickel	<2.6	mg/kg	2.6	1	10/02/17 12:29	10/03/17 12:44	7440-02-0	
Potassium	575	mg/kg	319	1	10/02/17 12:29	10/03/17 12:44	7440-09-7	
Selenium	<0.64	mg/kg	0.64	1	10/02/17 12:29	10/03/17 12:44	7782-49-2	
Silver	0.64	mg/kg	0.64	1	10/02/17 12:29	10/03/17 12:44	7440-22-4	
Sodium	<319	mg/kg	319	1	10/02/17 12:29	10/03/17 12:44	7440-23-5	
Thallium	<0.64	mg/kg	0.64	1	10/02/17 12:29	10/03/17 12:44	7440-28-0	
Vanadium	<3.2	mg/kg	3.2	1	10/02/17 12:29	10/03/17 12:44	7440-62-2	
Zinc	22.7	mg/kg	1.3	1	10/02/17 12:29	10/03/17 12:44	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.052	mg/kg	0.052	1	10/04/17 09:40	10/04/17 14:18	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Acenaphthene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	83-32-9	
Acenaphthylene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	208-96-8	
Anthracene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	120-12-7	
Benzo(a)anthracene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	56-55-3	
Benzo(a)pyrene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	50-32-8	
Benzo(b)fluoranthene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	205-99-2	
Benzo(g,h,i)perylene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	191-24-2	L1
Benzo(k)fluoranthene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	207-08-9	
4-Bromophenylphenyl ether	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	101-55-3	
Butylbenzylphthalate	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	85-68-7	
Carbazole	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	86-74-8	
4-Chloro-3-methylphenol	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	59-50-7	
4-Chloroaniline	<407	ug/kg	407	1	10/02/17 10:51	10/02/17 18:26	106-47-8	
bis(2-Chloroethoxy)methane	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	111-91-1	
bis(2-Chloroethyl) ether	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	111-44-4	
2-Chloronaphthalene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	91-58-7	
2-Chlorophenol	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	95-57-8	
4-Chlorophenylphenyl ether	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	7005-72-3	
Chrysene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	218-01-9	
Dibenz(a,h)anthracene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	53-70-3	L1
Dibenzofuran	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	132-64-9	
1,2-Dichlorobenzene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	95-50-1	
1,3-Dichlorobenzene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	541-73-1	
1,4-Dichlorobenzene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	106-46-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

Sample: **MONTEMORANO TOPSOIL** Lab ID: **7031377001** Collected: 09/27/17 12:00 Received: 09/29/17 10:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
3,3'-Dichlorobenzidine	<407	ug/kg	407	1	10/02/17 10:51	10/02/17 18:26	91-94-1	
2,4-Dichlorophenol	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	120-83-2	
Diethylphthalate	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	84-66-2	
2,4-Dimethylphenol	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	105-67-9	
Dimethylphthalate	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	131-11-3	
Di-n-butylphthalate	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	84-74-2	
4,6-Dinitro-2-methylphenol	<826	ug/kg	826	1	10/02/17 10:51	10/02/17 18:26	534-52-1	
2,4-Dinitrophenol	<826	ug/kg	826	1	10/02/17 10:51	10/02/17 18:26	51-28-5	
2,4-Dinitrotoluene	<407	ug/kg	407	1	10/02/17 10:51	10/02/17 18:26	121-14-2	
2,6-Dinitrotoluene	<407	ug/kg	407	1	10/02/17 10:51	10/02/17 18:26	606-20-2	
Di-n-octylphthalate	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	117-84-0	
bis(2-Ethylhexyl)phthalate	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	117-81-7	
Fluoranthene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	206-44-0	
Fluorene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	86-73-7	
Hexachloro-1,3-butadiene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	87-68-3	
Hexachlorobenzene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	118-74-1	
Hexachlorocyclopentadiene	<407	ug/kg	407	1	10/02/17 10:51	10/02/17 18:26	77-47-4	CL
Hexachloroethane	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	67-72-1	
Indeno(1,2,3-cd)pyrene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	193-39-5	L1
Isophorone	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	78-59-1	
2-Methylnaphthalene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	91-57-6	
2-Methylphenol(o-Cresol)	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26		
Naphthalene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	91-20-3	
2-Nitroaniline	<407	ug/kg	407	1	10/02/17 10:51	10/02/17 18:26	88-74-4	CL
3-Nitroaniline	<407	ug/kg	407	1	10/02/17 10:51	10/02/17 18:26	99-09-2	
4-Nitroaniline	<407	ug/kg	407	1	10/02/17 10:51	10/02/17 18:26	100-01-6	
Nitrobenzene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	98-95-3	
2-Nitrophenol	<407	ug/kg	407	1	10/02/17 10:51	10/02/17 18:26	88-75-5	
4-Nitrophenol	<826	ug/kg	826	1	10/02/17 10:51	10/02/17 18:26	100-02-7	
N-Nitroso-di-n-propylamine	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	621-64-7	
N-Nitrosodiphenylamine	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	86-30-6	L1
2,2'-Oxybis(1-chloropropane)	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	108-60-1	
Pentachlorophenol	<826	ug/kg	826	1	10/02/17 10:51	10/02/17 18:26	87-86-5	CL
Phenanthrene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	85-01-8	
Phenol	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	108-95-2	
Pyrene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	129-00-0	
1,2,4-Trichlorobenzene	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	120-82-1	
2,4,5-Trichlorophenol	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	95-95-4	
2,4,6-Trichlorophenol	<82.6	ug/kg	82.6	1	10/02/17 10:51	10/02/17 18:26	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	59	%.	23-120	1	10/02/17 10:51	10/02/17 18:26	4165-60-0	
2-Fluorobiphenyl (S)	66	%.	30-115	1	10/02/17 10:51	10/02/17 18:26	321-60-8	
p-Terphenyl-d14 (S)	79	%.	18-137	1	10/02/17 10:51	10/02/17 18:26	1718-51-0	
Phenol-d5 (S)	60	%.	24-113	1	10/02/17 10:51	10/02/17 18:26	4165-62-2	
2-Fluorophenol (S)	56	%.	25-121	1	10/02/17 10:51	10/02/17 18:26	367-12-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

Sample: **MONTEMORANO TOPSOIL** Lab ID: **7031377001** Collected: 09/27/17 12:00 Received: 09/29/17 10:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Surrogates								
2,4,6-Tribromophenol (S)	105	%.	19-122	1	10/02/17 10:51	10/02/17 18:26	118-79-6	
2-Chlorophenol-d4 (S)	61	%.	20-130	1	10/02/17 10:51	10/02/17 18:26	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	54	%.	20-130	1	10/02/17 10:51	10/02/17 18:26	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
Acetone	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	67-64-1	
Benzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	71-43-2	
Bromobenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	108-86-1	
Bromochloromethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	74-97-5	
Bromodichloromethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	75-27-4	
Bromoform	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	75-25-2	
Bromomethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	74-83-9	
2-Butanone (MEK)	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	78-93-3	CL
n-Butylbenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	104-51-8	
sec-Butylbenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	135-98-8	
tert-Butylbenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	98-06-6	
Carbon tetrachloride	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	56-23-5	
Chlorobenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	108-90-7	
Chlorodifluoromethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	75-45-6	N3
Chloroethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	75-00-3	
Chloroform	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	67-66-3	
Chloromethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	74-87-3	
2-Chlorotoluene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	95-49-8	
4-Chlorotoluene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	106-43-4	
1,2-Dibromo-3-chloropropane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	96-12-8	
Dibromochloromethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	124-48-1	
1,2-Dibromoethane (EDB)	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	106-93-4	
Dibromomethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	74-95-3	
1,2-Dichlorobenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	95-50-1	
1,3-Dichlorobenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	541-73-1	
1,4-Dichlorobenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	106-46-7	
Dichlorodifluoromethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	75-71-8	CL
1,1-Dichloroethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	75-34-3	
1,2-Dichloroethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	107-06-2	
1,1-Dichloroethene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	75-35-4	
cis-1,2-Dichloroethene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	156-59-2	
trans-1,2-Dichloroethene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	156-60-5	
1,2-Dichloropropane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	78-87-5	
1,3-Dichloropropane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	142-28-9	
2,2-Dichloropropane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	594-20-7	
1,1-Dichloropropene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	563-58-6	
cis-1,3-Dichloropropene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	10061-01-5	
trans-1,3-Dichloropropene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	10061-02-6	
Ethylbenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	100-41-4	
Hexachloro-1,3-butadiene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

Sample: **MONTEMORANO TOPSOIL** Lab ID: **7031377001** Collected: 09/27/17 12:00 Received: 09/29/17 10:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
Isopropylbenzene (Cumene)	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	98-82-8	
p-Isopropyltoluene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	99-87-6	
Methylene Chloride	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	108-10-1	
Methyl-tert-butyl ether	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	1634-04-4	
Naphthalene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	91-20-3	CL
n-Propylbenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	103-65-1	
Styrene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	100-42-5	
1,1,1,2-Tetrachloroethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	630-20-6	
1,1,2,2-Tetrachloroethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	79-34-5	
Tetrachloroethene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	127-18-4	
1,2,4,5-tetramethylbenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	95-93-2	N3
Toluene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	108-88-3	
1,2,3-Trichlorobenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	87-61-6	
1,2,4-Trichlorobenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	120-82-1	
1,1,1-Trichloroethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	71-55-6	
1,1,2-Trichloroethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	79-00-5	
Trichloroethene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	79-01-6	
Trichlorofluoromethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	75-69-4	
1,2,3-Trichloropropane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	96-18-4	
1,1,2-Trichlorotrifluoroethane	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	76-13-1	
1,2,4-Trimethylbenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	95-63-6	
1,3,5-Trimethylbenzene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	108-67-8	
Vinyl chloride	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	75-01-4	
Xylene (Total)	<5.2	ug/kg	5.2	1	10/02/17 06:30	10/02/17 13:02	1330-20-7	
m&p-Xylene	<5.2	ug/kg	5.2	1	10/02/17 06:30	10/02/17 13:02	179601-23-1	
o-Xylene	<2.6	ug/kg	2.6	1	10/02/17 06:30	10/02/17 13:02	95-47-6	
Surrogates								
Toluene-d8 (S)	105	%.	43-157	1	10/02/17 06:30	10/02/17 13:02	2037-26-5	
4-Bromofluorobenzene (S)	78	%.	34-145	1	10/02/17 06:30	10/02/17 13:02	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%.	33-150	1	10/02/17 06:30	10/02/17 13:02	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	18.9	%	0.10	1		10/02/17 20:19
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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

QC Batch: 41629

Analysis Method: EPA 7471B

QC Batch Method: EPA 7471B

Analysis Description: 7471 Mercury

Associated Lab Samples: 7031377001

METHOD BLANK: 193936

Matrix: Solid

Associated Lab Samples: 7031377001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.033	0.033	10/04/17 14:05	

LABORATORY CONTROL SAMPLE: 193937

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.17	0.18	106	80-120	

MATRIX SPIKE SAMPLE: 193938

Parameter	Units	7029271001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.58	.57	1.3	124	80-120	M1

SAMPLE DUPLICATE: 193939

Parameter	Units	7029271001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.58	0.76	27	D6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

QC Batch:	41254	Analysis Method:	EPA 6010C
QC Batch Method:	EPA 3050B	Analysis Description:	6010 MET
Associated Lab Samples:	7031377001		

METHOD BLANK: 192154 Matrix: Solid

Associated Lab Samples: 7031377001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	<10.0	10.0	10/03/17 12:03	
Antimony	mg/kg	<3.0	3.0	10/03/17 12:03	
Arsenic	mg/kg	<0.50	0.50	10/03/17 12:03	
Barium	mg/kg	<10.0	10.0	10/03/17 12:03	
Beryllium	mg/kg	<0.25	0.25	10/03/17 12:03	
Boron	mg/kg	<2.5	2.5	10/03/17 12:03	
Cadmium	mg/kg	<0.12	0.12	10/03/17 12:03	
Calcium	mg/kg	<50.0	50.0	10/03/17 12:03	
Chromium	mg/kg	<0.50	0.50	10/03/17 12:03	
Cobalt	mg/kg	<2.5	2.5	10/03/17 12:03	
Copper	mg/kg	<1.2	1.2	10/03/17 12:03	
Iron	mg/kg	<5.0	5.0	10/03/17 12:03	
Lead	mg/kg	<0.25	0.25	10/03/17 12:03	
Magnesium	mg/kg	<50.0	50.0	10/03/17 12:03	
Manganese	mg/kg	<0.75	0.75	10/03/17 12:03	
Molybdenum	mg/kg	<1.0	1.0	10/03/17 12:03	
Nickel	mg/kg	<2.0	2.0	10/03/17 12:03	
Potassium	mg/kg	<250	250	10/03/17 12:03	
Selenium	mg/kg	<0.50	0.50	10/03/17 12:03	
Silver	mg/kg	<0.50	0.50	10/03/17 12:03	
Sodium	mg/kg	<250	250	10/03/17 12:03	
Thallium	mg/kg	<0.50	0.50	10/03/17 12:03	
Vanadium	mg/kg	<2.5	2.5	10/03/17 12:03	
Zinc	mg/kg	<1.0	1.0	10/03/17 12:03	

LABORATORY CONTROL SAMPLE: 192155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	8770	7250	83	55-146	
Antimony	mg/kg	117	81.8	70	1-204	
Arsenic	mg/kg	29.6	28.2	95	80-120	
Barium	mg/kg	198	202	102	80-120	
Beryllium	mg/kg	92	90.6	99	80-120	
Boron	mg/kg	120	116	97	80-120	
Cadmium	mg/kg	71.5	69.0	97	80-120	
Calcium	mg/kg	6310	6160	98	80-120	
Chromium	mg/kg	102	97.9	96	80-120	
Cobalt	mg/kg	51.4	52.8	103	80-120	
Copper	mg/kg	153	142	93	80-120	
Iron	mg/kg	15200	13200	87	47-153	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

LABORATORY CONTROL SAMPLE: 192155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	139	138	99	80-120	
Magnesium	mg/kg	2760	2570	93	80-120	
Manganese	mg/kg	270	287	106	80-120	
Molybdenum	mg/kg	39.1	38.9	99	80-120	
Nickel	mg/kg	129	129	100	80-120	
Potassium	mg/kg	2420	2350	97	71-129	
Selenium	mg/kg	60.6	58.6	97	80-120	
Silver	mg/kg	36.4	39.1	107	80-120	
Sodium	mg/kg	819	826	101	72-128	
Thallium	mg/kg	101	101	100	80-120	
Vanadium	mg/kg	81.3	76.6	94	80-120	
Zinc	mg/kg	223	218	98	80-120	

MATRIX SPIKE SAMPLE: 192157

Parameter	Units	7031135002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	<19.6	465	454	98	75-125	
Antimony	mg/kg	<5.9	69.7	65.0	93	75-125	
Arsenic	mg/kg	<0.98	46.5	43.8	94	75-125	
Barium	mg/kg	<19.6	46.5	50.8	109	75-125	
Beryllium	mg/kg	<0.49	4.6	4.7	100	75-125	
Boron	mg/kg	<4.9	232	229	99	75-125	
Cadmium	mg/kg	<0.25	4.6	4.6	100	75-125	
Calcium	mg/kg	<98.2	2320	2940	127	75-125	M1
Chromium	mg/kg	<0.98	23.2	23.5	101	75-125	
Cobalt	mg/kg	<4.9	46.5	46.9	101	75-125	
Copper	mg/kg	<2.5	23.2	23.0	99	75-125	
Iron	mg/kg	<9.8	186	192	102	75-125	
Lead	mg/kg	<0.49	46.5	47.1	101	75-125	
Magnesium	mg/kg	<98.2	2320	2260	97	75-125	
Manganese	mg/kg	<1.5	23.2	23.0	99	75-125	
Molybdenum	mg/kg	<2.0	46.5	46.8	101	75-125	
Nickel	mg/kg	<3.9	23.2	23.4	101	75-125	
Potassium	mg/kg	<491	4650	4660	100	75-125	
Selenium	mg/kg	<0.98	69.7	67.9	97	75-125	
Silver	mg/kg	<0.98	23.2	27.4	118	75-125	
Sodium	mg/kg	<491	4650	4540	97	75-125	
Thallium	mg/kg	<0.98	69.7	69.9	100	75-125	
Vanadium	mg/kg	<4.9	46.5	45.2	97	75-125	
Zinc	mg/kg	<2.0	92.9	92.4	99	75-125	

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

SAMPLE DUPLICATE: 192156

Parameter	Units	7031135002 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	<19.6	<20.0		
Antimony	mg/kg	<5.9	<6.0		
Arsenic	mg/kg	<0.98	<1.0		
Barium	mg/kg	<19.6	<20.0		
Beryllium	mg/kg	<0.49	<0.50		
Boron	mg/kg	<4.9	<5.0		
Cadmium	mg/kg	<0.25	<0.25		
Calcium	mg/kg	<98.2	662		
Chromium	mg/kg	<0.98	<1.0		
Cobalt	mg/kg	<4.9	<5.0		
Copper	mg/kg	<2.5	<2.5		
Iron	mg/kg	<9.8	13.0		
Lead	mg/kg	<0.49	<0.50		
Magnesium	mg/kg	<98.2	<100		
Manganese	mg/kg	<1.5	<1.5		
Molybdenum	mg/kg	<2.0	<2.0		
Nickel	mg/kg	<3.9	<4.0		
Potassium	mg/kg	<491	<500		
Selenium	mg/kg	<0.98	<1.0		
Silver	mg/kg	<0.98	<1.0		
Sodium	mg/kg	<491	<500		
Thallium	mg/kg	<0.98	<1.0		
Vanadium	mg/kg	<4.9	<5.0		
Zinc	mg/kg	<2.0	2.3		

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

QC Batch: 41407

Analysis Method: EPA 8260C

QC Batch Method: EPA 5035A-L

Analysis Description: 8260 MSV 5035A-L Low Level

Associated Lab Samples: 7031377001

METHOD BLANK: 192918

Matrix: Solid

Associated Lab Samples: 7031377001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.9	1.9	10/02/17 08:17	
1,1,1-Trichloroethane	ug/kg	<1.9	1.9	10/02/17 08:17	
1,1,2,2-Tetrachloroethane	ug/kg	<1.9	1.9	10/02/17 08:17	
1,1,2-Trichloroethane	ug/kg	<1.9	1.9	10/02/17 08:17	
1,1,2-Trichlorotrifluoroethane	ug/kg	<1.9	1.9	10/02/17 08:17	
1,1-Dichloroethane	ug/kg	<1.9	1.9	10/02/17 08:17	
1,1-Dichloroethene	ug/kg	<1.9	1.9	10/02/17 08:17	
1,1-Dichloropropene	ug/kg	<1.9	1.9	10/02/17 08:17	
1,2,3-Trichlorobenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
1,2,3-Trichloropropane	ug/kg	<1.9	1.9	10/02/17 08:17	
1,2,4,5-tetramethylbenzene	ug/kg	<1.9	1.9	10/02/17 08:17	N3
1,2,4-Trichlorobenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
1,2,4-Trimethylbenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
1,2-Dibromo-3-chloropropane	ug/kg	<1.9	1.9	10/02/17 08:17	
1,2-Dibromoethane (EDB)	ug/kg	<1.9	1.9	10/02/17 08:17	
1,2-Dichlorobenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
1,2-Dichloroethane	ug/kg	<1.9	1.9	10/02/17 08:17	
1,2-Dichloropropane	ug/kg	<1.9	1.9	10/02/17 08:17	
1,3,5-Trimethylbenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
1,3-Dichlorobenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
1,3-Dichloropropane	ug/kg	<1.9	1.9	10/02/17 08:17	
1,4-Dichlorobenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
2,2-Dichloropropane	ug/kg	<1.9	1.9	10/02/17 08:17	
2-Butanone (MEK)	ug/kg	<1.9	1.9	10/02/17 08:17	CL
2-Chlorotoluene	ug/kg	<1.9	1.9	10/02/17 08:17	
4-Chlorotoluene	ug/kg	<1.9	1.9	10/02/17 08:17	
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.9	1.9	10/02/17 08:17	
Acetone	ug/kg	<1.9	1.9	10/02/17 08:17	
Benzene	ug/kg	<1.9	1.9	10/02/17 08:17	
Bromobenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
Bromochloromethane	ug/kg	<1.9	1.9	10/02/17 08:17	
Bromodichloromethane	ug/kg	<1.9	1.9	10/02/17 08:17	
Bromoform	ug/kg	<1.9	1.9	10/02/17 08:17	
Bromomethane	ug/kg	<1.9	1.9	10/02/17 08:17	
Carbon tetrachloride	ug/kg	<1.9	1.9	10/02/17 08:17	
Chlorobenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
Chlorodifluoromethane	ug/kg	<1.9	1.9	10/02/17 08:17	N3
Chloroethane	ug/kg	<1.9	1.9	10/02/17 08:17	
Chloroform	ug/kg	<1.9	1.9	10/02/17 08:17	
Chloromethane	ug/kg	<1.9	1.9	10/02/17 08:17	
cis-1,2-Dichloroethene	ug/kg	<1.9	1.9	10/02/17 08:17	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

METHOD BLANK: 192918

Matrix: Solid

Associated Lab Samples: 7031377001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	<1.9	1.9	10/02/17 08:17	
Dibromochloromethane	ug/kg	<1.9	1.9	10/02/17 08:17	
Dibromomethane	ug/kg	<1.9	1.9	10/02/17 08:17	
Dichlorodifluoromethane	ug/kg	<1.9	1.9	10/02/17 08:17	CL
Ethylbenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
Hexachloro-1,3-butadiene	ug/kg	<1.9	1.9	10/02/17 08:17	
Isopropylbenzene (Cumene)	ug/kg	<1.9	1.9	10/02/17 08:17	
m&p-Xylene	ug/kg	<3.9	3.9	10/02/17 08:17	
Methyl-tert-butyl ether	ug/kg	<1.9	1.9	10/02/17 08:17	
Methylene Chloride	ug/kg	2.2	1.9	10/02/17 08:17	C9
n-Butylbenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
n-Propylbenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
Naphthalene	ug/kg	<1.9	1.9	10/02/17 08:17	CL
o-Xylene	ug/kg	<1.9	1.9	10/02/17 08:17	
p-Isopropyltoluene	ug/kg	<1.9	1.9	10/02/17 08:17	
sec-Butylbenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
Styrene	ug/kg	<1.9	1.9	10/02/17 08:17	
tert-Butylbenzene	ug/kg	<1.9	1.9	10/02/17 08:17	
Tetrachloroethene	ug/kg	<1.9	1.9	10/02/17 08:17	
Toluene	ug/kg	<1.9	1.9	10/02/17 08:17	
trans-1,2-Dichloroethene	ug/kg	<1.9	1.9	10/02/17 08:17	
trans-1,3-Dichloropropene	ug/kg	<1.9	1.9	10/02/17 08:17	
Trichloroethene	ug/kg	<1.9	1.9	10/02/17 08:17	
Trichlorofluoromethane	ug/kg	<1.9	1.9	10/02/17 08:17	
Vinyl chloride	ug/kg	<1.9	1.9	10/02/17 08:17	
Xylene (Total)	ug/kg	<3.9	3.9	10/02/17 08:17	
1,2-Dichloroethane-d4 (S)	%	83	33-150	10/02/17 08:17	
4-Bromofluorobenzene (S)	%	91	34-145	10/02/17 08:17	
Toluene-d8 (S)	%	97	43-157	10/02/17 08:17	

LABORATORY CONTROL SAMPLE: 192919

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50.9	58.2	114	74-140	
1,1,1-Trichloroethane	ug/kg	50.9	53.6	105	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	50.9	45.0	88	69-132	
1,1,2-Trichloroethane	ug/kg	50.9	46.3	91	73-135	
1,1,2-Trichlorotrifluoroethane	ug/kg	50.9	54.3	107	45-156	
1,1-Dichloroethane	ug/kg	50.9	47.8	94	53-160	IH
1,1-Dichloroethene	ug/kg	50.9	49.8	98	47-152	
1,1-Dichloropropene	ug/kg	50.9	54.8	108	56-130	
1,2,3-Trichlorobenzene	ug/kg	50.9	47.5	93	48-144	
1,2,3-Trichloropropane	ug/kg	50.9	47.9	94	67-129	
1,2,4,5-tetramethylbenzene	ug/kg	50.9	55.3	109	60-142	N3

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

LABORATORY CONTROL SAMPLE: 192919

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	50.9	52.2	102	52-140	
1,2,4-Trimethylbenzene	ug/kg	50.9	56.0	110	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	50.9	41.6	82	57-140	
1,2-Dibromoethane (EDB)	ug/kg	50.9	47.3	93	76-138	
1,2-Dichlorobenzene	ug/kg	50.9	53.3	105	67-125	
1,2-Dichloroethane	ug/kg	50.9	44.9	88	65-143	
1,2-Dichloropropane	ug/kg	50.9	49.7	98	72-131	
1,3,5-Trimethylbenzene	ug/kg	50.9	56.0	110	49-134	
1,3-Dichlorobenzene	ug/kg	50.9	55.9	110	64-124	
1,3-Dichloropropane	ug/kg	50.9	51.5	101	73-130	
1,4-Dichlorobenzene	ug/kg	50.9	53.8	106	61-127	
2,2-Dichloropropane	ug/kg	50.9	49.4	97	55-140	
2-Butanone (MEK)	ug/kg	50.9	33.4	66	52-164	CL
2-Chlorotoluene	ug/kg	50.9	55.2	108	62-125	
4-Chlorotoluene	ug/kg	50.9	54.6	107	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.9	40.7	80	63-154	
Acetone	ug/kg	50.9	35.9	70	23-196	
Benzene	ug/kg	50.9	52.8	104	65-129	
Bromobenzene	ug/kg	50.9	55.5	109	63-130	
Bromochloromethane	ug/kg	50.9	48.9	96	78-136	
Bromodichloromethane	ug/kg	50.9	49.9	98	74-141	
Bromoform	ug/kg	50.9	49.8	98	59-136	
Bromomethane	ug/kg	50.9	50.4	99	32-182	
Carbon tetrachloride	ug/kg	50.9	63.4	124	57-135	CH
Chlorobenzene	ug/kg	50.9	57.2	112	62-136	
Chlorodifluoromethane	ug/kg	50.9	46.1	90	14-161	N3
Chloroethane	ug/kg	50.9	46.5	91	50-159	
Chloroform	ug/kg	50.9	48.3	95	71-135	
Chloromethane	ug/kg	50.9	44.3	87	44-139	
cis-1,2-Dichloroethene	ug/kg	50.9	47.3	93	75-130	
cis-1,3-Dichloropropene	ug/kg	50.9	48.5	95	74-140	
Dibromochloromethane	ug/kg	50.9	53.9	106	71-133	
Dibromomethane	ug/kg	50.9	45.7	90	75-136	
Dichlorodifluoromethane	ug/kg	50.9	36.6	72	10-155	CL
Ethylbenzene	ug/kg	50.9	59.1	116	59-135	
Hexachloro-1,3-butadiene	ug/kg	50.9	58.6	115	19-152	
Isopropylbenzene (Cumene)	ug/kg	50.9	57.8	114	56-129	
m&p-Xylene	ug/kg	102	117	115	69-133	
Methyl-tert-butyl ether	ug/kg	50.9	46.9	92	25-171	
Methylene Chloride	ug/kg	50.9	43.5	86	50-164	
n-Butylbenzene	ug/kg	50.9	55.3	109	54-121	
n-Propylbenzene	ug/kg	50.9	56.7	111	56-125	
Naphthalene	ug/kg	50.9	42.1	83	55-145	CL
o-Xylene	ug/kg	50.9	56.9	112	71-135	
p-Isopropyltoluene	ug/kg	50.9	56.4	111	54-126	
sec-Butylbenzene	ug/kg	50.9	56.5	111	50-126	
Styrene	ug/kg	50.9	55.4	109	73-133	

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

LABORATORY CONTROL SAMPLE: 192919

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/kg	50.9	57.8	114	56-127	
Tetrachloroethene	ug/kg	50.9	64.3	126	10-176	CH
Toluene	ug/kg	50.9	53.0	104	66-131	
trans-1,2-Dichloroethene	ug/kg	50.9	49.3	97	53-157	
trans-1,3-Dichloropropene	ug/kg	50.9	47.9	94	66-144	
Trichloroethene	ug/kg	50.9	53.3	105	62-130	
Trichlorofluoromethane	ug/kg	50.9	47.9	94	38-166	
Vinyl chloride	ug/kg	50.9	45.8	90	45-137	
Xylene (Total)	ug/kg	153	174	114	62-135	
1,2-Dichloroethane-d4 (S)	%			82	33-150	
4-Bromofluorobenzene (S)	%			93	34-145	
Toluene-d8 (S)	%			99	43-157	

MATRIX SPIKE SAMPLE: 192921

Parameter	Units	7031330004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.8	45.6	39.5	87	74-140	
1,1,1-Trichloroethane	ug/kg	<1.8	45.6	36.8	81	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	<1.8	45.6	25.3	55	69-132	M1
1,1,2-Trichloroethane	ug/kg	<1.8	45.6	26.4	58	73-135	M1
1,1,2-Trichlorotrifluoroethane	ug/kg	<1.8	45.6	34.1	75	45-156	
1,1-Dichloroethane	ug/kg	<1.8	45.6	31.2	69	53-160	IH
1,1-Dichloroethene	ug/kg	<1.8	45.6	32.0	70	47-152	
1,1-Dichloropropene	ug/kg	<1.8	45.6	38.0	83	56-130	
1,2,3-Trichlorobenzene	ug/kg	<1.8	45.6	33.3	73	48-144	
1,2,3-Trichloropropane	ug/kg	<1.8	45.6	27.2	60	67-129	M1
1,2,4,5-tetramethylbenzene	ug/kg	<1.8	45.6	40.4	89	60-142	N3
1,2,4-Trichlorobenzene	ug/kg	<1.8	45.6	36.4	80	52-140	
1,2,4-Trimethylbenzene	ug/kg	<1.8	45.6	45.1	99	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	<1.8	45.6	22.7	50	57-140	M1
1,2-Dibromoethane (EDB)	ug/kg	<1.8	45.6	26.6	58	76-138	M1
1,2-Dichlorobenzene	ug/kg	<1.8	45.6	36.1	79	67-125	
1,2-Dichloroethane	ug/kg	<1.8	45.6	24.8	54	65-143	M1
1,2-Dichloropropane	ug/kg	<1.8	45.6	33.7	74	72-131	
1,3,5-Trimethylbenzene	ug/kg	<1.8	45.6	43.0	94	49-134	
1,3-Dichlorobenzene	ug/kg	<1.8	45.6	40.0	88	64-124	
1,3-Dichloropropane	ug/kg	<1.8	45.6	32.1	70	73-130	M1
1,4-Dichlorobenzene	ug/kg	<1.8	45.6	38.0	83	61-127	
2,2-Dichloropropane	ug/kg	<1.8	45.6	31.8	70	55-140	
2-Butanone (MEK)	ug/kg	<1.8	45.6	18.7	41	52-164	CL,M1
2-Chlorotoluene	ug/kg	<1.8	45.6	41.0	90	62-125	
4-Chlorotoluene	ug/kg	<1.8	45.6	39.5	87	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.8	45.6	22.5	49	63-154	M1
Acetone	ug/kg	<1.8	45.6	20.6	45	23-196	
Benzene	ug/kg	<1.8	45.6	36.4	80	65-129	

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

MATRIX SPIKE SAMPLE:		192921					
Parameter	Units	7031330004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/kg	<1.8	45.6	39.8	87	63-130	
Bromochloromethane	ug/kg	<1.8	45.6	29.5	65	78-136	M1
Bromodichloromethane	ug/kg	<1.8	45.6	30.2	66	74-141	M1
Bromoform	ug/kg	<1.8	45.6	27.5	60	59-136	
Bromomethane	ug/kg	<1.8	45.6	32.5	71	32-182	
Carbon tetrachloride	ug/kg	<1.8	45.6	42.0	92	57-135	CH
Chlorobenzene	ug/kg	<1.8	45.6	41.6	91	62-136	
Chlorodifluoromethane	ug/kg	<1.8	45.6	31.9	70	14-161	N3
Chloroethane	ug/kg	<1.8	45.6	30.4	67	50-159	
Chloroform	ug/kg	<1.8	45.6	29.7	65	71-135	M1
Chloromethane	ug/kg	<1.8	45.6	30.4	67	44-139	
cis-1,2-Dichloroethene	ug/kg	<1.8	45.6	30.4	67	75-130	M1
cis-1,3-Dichloropropene	ug/kg	<1.8	45.6	31.5	69	74-140	M1
Dibromochloromethane	ug/kg	<1.8	45.6	31.4	69	71-133	M1
Dibromomethane	ug/kg	<1.8	45.6	25.4	56	75-136	M1
Dichlorodifluoromethane	ug/kg	<1.8	45.6	22.0	48	10-155	CL
Ethylbenzene	ug/kg	<1.8	45.6	45.0	99	59-135	
Hexachloro-1,3-butadiene	ug/kg	<1.8	45.6	44.7	98	19-152	
Isopropylbenzene (Cumene)	ug/kg	<1.8	45.6	43.6	96	56-129	
m&p-Xylene	ug/kg	<3.7	91.1	91.4	100	69-133	
Methyl-tert-butyl ether	ug/kg	<1.8	45.6	23.8	52	25-171	
Methylene Chloride	ug/kg	<1.8	45.6	28.6	63	50-164	
n-Butylbenzene	ug/kg	<1.8	45.6	41.7	92	54-121	
n-Propylbenzene	ug/kg	<1.8	45.6	42.1	92	56-125	
Naphthalene	ug/kg	<1.8	45.6	28.1	62	55-145	CL
o-Xylene	ug/kg	<1.8	45.6	43.2	95	71-135	
p-Isopropyltoluene	ug/kg	<1.8	45.6	42.6	93	54-126	
sec-Butylbenzene	ug/kg	<1.8	45.6	42.3	93	50-126	
Styrene	ug/kg	<1.8	45.6	39.4	86	73-133	
tert-Butylbenzene	ug/kg	<1.8	45.6	42.4	93	56-127	
Tetrachloroethene	ug/kg	<1.8	45.6	49.0	108	10-176	CH
Toluene	ug/kg	<1.8	45.6	38.4	84	66-131	
trans-1,2-Dichloroethene	ug/kg	<1.8	45.6	33.1	73	53-157	
trans-1,3-Dichloropropene	ug/kg	<1.8	45.6	28.6	63	66-144	M1
Trichloroethene	ug/kg	<1.8	45.6	37.4	82	62-130	
Trichlorofluoromethane	ug/kg	<1.8	45.6	29.5	65	38-166	
Vinyl chloride	ug/kg	<1.8	45.6	30.1	66	45-137	
Xylene (Total)	ug/kg	<3.7	137	135	98	62-135	
1,2-Dichloroethane-d4 (S)	%				68	33-150	
4-Bromofluorobenzene (S)	%				90	34-145	
Toluene-d8 (S)	%				103	43-157	

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

SAMPLE DUPLICATE: 192920

Parameter	Units	7031330002 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.9	<2.0		
1,1,1-Trichloroethane	ug/kg	<1.9	<2.0		
1,1,2,2-Tetrachloroethane	ug/kg	<1.9	<2.0		
1,1,2-Trichloroethane	ug/kg	<1.9	<2.0		
1,1,2-Trichlorotrifluoroethane	ug/kg	<1.9	<2.0		
1,1-Dichloroethane	ug/kg	<1.9	<2.0		
1,1-Dichloroethene	ug/kg	<1.9	<2.0		
1,1-Dichloropropene	ug/kg	<1.9	<2.0		
1,2,3-Trichlorobenzene	ug/kg	<1.9	<2.0		
1,2,3-Trichloropropane	ug/kg	<1.9	<2.0		
1,2,4,5-tetramethylbenzene	ug/kg	<1.9	4.8		N3
1,2,4-Trichlorobenzene	ug/kg	<1.9	<2.0		
1,2,4-Trimethylbenzene	ug/kg	5.7	<2.0		
1,2-Dibromo-3-chloropropane	ug/kg	<1.9	<2.0		
1,2-Dibromoethane (EDB)	ug/kg	<1.9	<2.0		
1,2-Dichlorobenzene	ug/kg	<1.9	<2.0		
1,2-Dichloroethane	ug/kg	<1.9	<2.0		
1,2-Dichloropropane	ug/kg	<1.9	<2.0		
1,3,5-Trimethylbenzene	ug/kg	<1.9	2.7		
1,3-Dichlorobenzene	ug/kg	<1.9	<2.0		
1,3-Dichloropropane	ug/kg	<1.9	<2.0		
1,4-Dichlorobenzene	ug/kg	<1.9	<2.0		
2,2-Dichloropropane	ug/kg	<1.9	<2.0		
2-Butanone (MEK)	ug/kg	<1.9	<2.0		CL
2-Chlorotoluene	ug/kg	<1.9	<2.0		
4-Chlorotoluene	ug/kg	<1.9	<2.0		
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.9	<2.0		
Acetone	ug/kg	5.4	8.4		43 D6
Benzene	ug/kg	<1.9	<2.0		
Bromobenzene	ug/kg	<1.9	<2.0		
Bromochloromethane	ug/kg	<1.9	<2.0		
Bromodichloromethane	ug/kg	<1.9	<2.0		
Bromoform	ug/kg	<1.9	<2.0		
Bromomethane	ug/kg	<1.9	<2.0		
Carbon tetrachloride	ug/kg	<1.9	<2.0		
Chlorobenzene	ug/kg	<1.9	<2.0		
Chlorodifluoromethane	ug/kg	<1.9	<2.0		N3
Chloroethane	ug/kg	<1.9	<2.0		
Chloroform	ug/kg	<1.9	<2.0		
Chloromethane	ug/kg	<1.9	<2.0		
cis-1,2-Dichloroethene	ug/kg	<1.9	<2.0		
cis-1,3-Dichloropropene	ug/kg	<1.9	<2.0		
Dibromochloromethane	ug/kg	<1.9	<2.0		
Dibromomethane	ug/kg	<1.9	<2.0		
Dichlorodifluoromethane	ug/kg	<1.9	<2.0		CL
Ethylbenzene	ug/kg	<1.9	<2.0		
Hexachloro-1,3-butadiene	ug/kg	<1.9	<2.0		

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

SAMPLE DUPLICATE: 192920

Parameter	Units	7031330002 Result	Dup Result	RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/kg	<1.9	<2.0		
m&p-Xylene	ug/kg	<3.8	<4.0		
Methyl-tert-butyl ether	ug/kg	<1.9	<2.0		
Methylene Chloride	ug/kg	<1.9	<2.0		
n-Butylbenzene	ug/kg	<1.9	<2.0		
n-Propylbenzene	ug/kg	<1.9	<2.0		
Naphthalene	ug/kg	4.7	2.8	52	CL,D6
o-Xylene	ug/kg	<1.9	<2.0		
p-Isopropyltoluene	ug/kg	<1.9	<2.0		
sec-Butylbenzene	ug/kg	<1.9	<2.0		
Styrene	ug/kg	<1.9	<2.0		
tert-Butylbenzene	ug/kg	<1.9	<2.0		
Tetrachloroethene	ug/kg	<1.9	<2.0		
Toluene	ug/kg	<1.9	<2.0		
trans-1,2-Dichloroethene	ug/kg	<1.9	<2.0		
trans-1,3-Dichloropropene	ug/kg	<1.9	<2.0		
Trichloroethene	ug/kg	<1.9	<2.0		
Trichlorofluoromethane	ug/kg	<1.9	<2.0		
Vinyl chloride	ug/kg	<1.9	<2.0		
Xylene (Total)	ug/kg	4.3	<4.0		
1,2-Dichloroethane-d4 (S)	%.	92	97	10	
4-Bromofluorobenzene (S)	%.	95	91	0	
Toluene-d8 (S)	%.	98	94	0	

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

QC Batch: 41236

Analysis Method: EPA 8081B

QC Batch Method: EPA 3545A

Analysis Description: 8081 GCS Pesticides

Associated Lab Samples: 7031377001

METHOD BLANK: 191984

Matrix: Solid

Associated Lab Samples: 7031377001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<3.3	3.3	10/03/17 02:31	CL
4,4'-DDE	ug/kg	<3.3	3.3	10/03/17 02:31	
4,4'-DDT	ug/kg	<3.3	3.3	10/03/17 02:31	
Aldrin	ug/kg	<1.7	1.7	10/03/17 02:31	
alpha-BHC	ug/kg	<1.7	1.7	10/03/17 02:31	CL
alpha-Chlordane	ug/kg	<1.7	1.7	10/03/17 02:31	
beta-BHC	ug/kg	<1.7	1.7	10/03/17 02:31	
delta-BHC	ug/kg	<1.7	1.7	10/03/17 02:31	
Dieldrin	ug/kg	<3.3	3.3	10/03/17 02:31	
Endosulfan I	ug/kg	<1.7	1.7	10/03/17 02:31	
Endosulfan II	ug/kg	<3.3	3.3	10/03/17 02:31	
Endosulfan sulfate	ug/kg	<3.3	3.3	10/03/17 02:31	
Endrin	ug/kg	<3.3	3.3	10/03/17 02:31	
Endrin aldehyde	ug/kg	<3.3	3.3	10/03/17 02:31	
Endrin ketone	ug/kg	<3.3	3.3	10/03/17 02:31	
gamma-BHC (Lindane)	ug/kg	<1.7	1.7	10/03/17 02:31	
gamma-Chlordane	ug/kg	<1.7	1.7	10/03/17 02:31	
Heptachlor	ug/kg	<1.7	1.7	10/03/17 02:31	
Heptachlor epoxide	ug/kg	<1.7	1.7	10/03/17 02:31	
Methoxychlor	ug/kg	<17.0	17.0	10/03/17 02:31	
Toxaphene	ug/kg	<170	170	10/03/17 02:31	
Decachlorobiphenyl (S)	%	90	30-150	10/03/17 02:31	
Tetrachloro-m-xylene (S)	%	57	30-150	10/03/17 02:31	

LABORATORY CONTROL SAMPLE: 191985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	13.3	12.0	90	57-156	CH
4,4'-DDE	ug/kg	13.3	11.5	86	52-135	
4,4'-DDT	ug/kg	13.3	13.6	102	54-163	CL
Aldrin	ug/kg	13.3	9.3	70	49-129	
alpha-BHC	ug/kg	13.3	9.3	69	41-135	
alpha-Chlordane	ug/kg	13.3	11.0	83	43-128	
beta-BHC	ug/kg	13.3	10.2	77	42-158	
delta-BHC	ug/kg	13.3	13.2	99	48-142	
Dieldrin	ug/kg	13.3	11.1	83	57-147	
Endosulfan I	ug/kg	13.3	10.2	76	54-145	
Endosulfan II	ug/kg	13.3	12.6	94	61-137	
Endosulfan sulfate	ug/kg	13.3	15.4	116	51-154	
Endrin	ug/kg	13.3	11.9	89	50-160	

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

LABORATORY CONTROL SAMPLE: 191985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin aldehyde	ug/kg	13.3	12.7	96	31-159	CL
Endrin ketone	ug/kg	13.3	14.8	111	43-171	
gamma-BHC (Lindane)	ug/kg	13.3	9.9	74	39-146	
gamma-Chlordane	ug/kg	13.3	11.5	86	43-134	
Heptachlor	ug/kg	13.3	10.0	75	52-142	
Heptachlor epoxide	ug/kg	13.3	10.2	76	49-128	
Methoxychlor	ug/kg	13.3	<17.0	113	41-188	CL
Decachlorobiphenyl (S)	%.			104	30-150	
Tetrachloro-m-xylene (S)	%.			59	30-150	

LABORATORY CONTROL SAMPLE: 191986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toxaphene	ug/kg	667	553	83	45-146	
Decachlorobiphenyl (S)	%.			91	30-150	
Tetrachloro-m-xylene (S)	%.			58	30-150	

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

QC Batch: 41237

Analysis Method: EPA 8082A

QC Batch Method: EPA 3545A

Analysis Description: 8082 GCS PCB

Associated Lab Samples: 7031377001

METHOD BLANK: 191989

Matrix: Solid

Associated Lab Samples: 7031377001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	10/02/17 17:59	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	10/02/17 17:59	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	10/02/17 17:59	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	10/02/17 17:59	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	10/02/17 17:59	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	10/02/17 17:59	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	10/02/17 17:59	
Decachlorobiphenyl (S)	%	89	30-150	10/02/17 17:59	
Tetrachloro-m-xylene (S)	%	66	30-150	10/02/17 17:59	

LABORATORY CONTROL SAMPLE: 191990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	84.3	51	50-136	
PCB-1221 (Aroclor 1221)	ug/kg		<67.0			
PCB-1232 (Aroclor 1232)	ug/kg		<33.0			
PCB-1242 (Aroclor 1242)	ug/kg		<33.0			
PCB-1248 (Aroclor 1248)	ug/kg		<33.0			
PCB-1254 (Aroclor 1254)	ug/kg		<33.0			
PCB-1260 (Aroclor 1260)	ug/kg	167	124	75	45-154	
Decachlorobiphenyl (S)	%			89	30-150	
Tetrachloro-m-xylene (S)	%			58	30-150	

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27
Pace Project No.: 7031377

QC Batch:	41239	Analysis Method:	EPA 8270D
QC Batch Method:	EPA 3545A	Analysis Description:	8270 Solid MSSV
Associated Lab Samples:	7031377001		

METHOD BLANK:	191998	Matrix:	Solid
Associated Lab Samples:	7031377001		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<67.0	67.0	10/02/17 17:33	
1,2-Dichlorobenzene	ug/kg	<67.0	67.0	10/02/17 17:33	
1,3-Dichlorobenzene	ug/kg	<67.0	67.0	10/02/17 17:33	
1,4-Dichlorobenzene	ug/kg	<67.0	67.0	10/02/17 17:33	
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	10/02/17 17:33	
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	10/02/17 17:33	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	10/02/17 17:33	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	10/02/17 17:33	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	10/02/17 17:33	
2,4-Dinitrophenol	ug/kg	<67.0	67.0	10/02/17 17:33	
2,4-Dinitrotoluene	ug/kg	<330	330	10/02/17 17:33	
2,6-Dinitrotoluene	ug/kg	<330	330	10/02/17 17:33	
2-Chloronaphthalene	ug/kg	<67.0	67.0	10/02/17 17:33	
2-Chlorophenol	ug/kg	<67.0	67.0	10/02/17 17:33	
2-Methylnaphthalene	ug/kg	<67.0	67.0	10/02/17 17:33	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	10/02/17 17:33	
2-Nitroaniline	ug/kg	<330	330	10/02/17 17:33	CL
2-Nitrophenol	ug/kg	<330	330	10/02/17 17:33	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	10/02/17 17:33	
3,3'-Dichlorobenzidine	ug/kg	<330	330	10/02/17 17:33	
3-Nitroaniline	ug/kg	<330	330	10/02/17 17:33	
4,6-Dinitro-2-methylphenol	ug/kg	<67.0	67.0	10/02/17 17:33	
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	10/02/17 17:33	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	10/02/17 17:33	
4-Chloroaniline	ug/kg	<330	330	10/02/17 17:33	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	10/02/17 17:33	
4-Nitroaniline	ug/kg	<330	330	10/02/17 17:33	
4-Nitrophenol	ug/kg	<67.0	67.0	10/02/17 17:33	
Acenaphthene	ug/kg	<67.0	67.0	10/02/17 17:33	
Acenaphthylene	ug/kg	<67.0	67.0	10/02/17 17:33	
Anthracene	ug/kg	<67.0	67.0	10/02/17 17:33	
Benzo(a)anthracene	ug/kg	<67.0	67.0	10/02/17 17:33	
Benzo(a)pyrene	ug/kg	<67.0	67.0	10/02/17 17:33	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	10/02/17 17:33	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	10/02/17 17:33	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	10/02/17 17:33	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	10/02/17 17:33	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	10/02/17 17:33	
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	10/02/17 17:33	
Butylbenzylphthalate	ug/kg	<67.0	67.0	10/02/17 17:33	
Carbazole	ug/kg	<67.0	67.0	10/02/17 17:33	

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

METHOD BLANK: 191998

Matrix: Solid

Associated Lab Samples: 7031377001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/kg	<67.0	67.0	10/02/17 17:33	
Di-n-butylphthalate	ug/kg	<67.0	67.0	10/02/17 17:33	
Di-n-octylphthalate	ug/kg	<67.0	67.0	10/02/17 17:33	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	10/02/17 17:33	
Dibenzofuran	ug/kg	<67.0	67.0	10/02/17 17:33	
Diethylphthalate	ug/kg	<67.0	67.0	10/02/17 17:33	
Dimethylphthalate	ug/kg	<67.0	67.0	10/02/17 17:33	
Fluoranthene	ug/kg	<67.0	67.0	10/02/17 17:33	
Fluorene	ug/kg	<67.0	67.0	10/02/17 17:33	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	10/02/17 17:33	
Hexachlorobenzene	ug/kg	<67.0	67.0	10/02/17 17:33	
Hexachlorocyclopentadiene	ug/kg	<330	330	10/02/17 17:33	CL
Hexachloroethane	ug/kg	<67.0	67.0	10/02/17 17:33	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	10/02/17 17:33	
Isophorone	ug/kg	<67.0	67.0	10/02/17 17:33	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	10/02/17 17:33	
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	10/02/17 17:33	
Naphthalene	ug/kg	<67.0	67.0	10/02/17 17:33	
Nitrobenzene	ug/kg	<67.0	67.0	10/02/17 17:33	
Pentachlorophenol	ug/kg	<670	670	10/02/17 17:33	CL
Phenanthrene	ug/kg	<67.0	67.0	10/02/17 17:33	
Phenol	ug/kg	<67.0	67.0	10/02/17 17:33	
Pyrene	ug/kg	<67.0	67.0	10/02/17 17:33	
1,2-Dichlorobenzene-d4 (S)	%	63	20-130	10/02/17 17:33	
2,4,6-Tribromophenol (S)	%	100	19-122	10/02/17 17:33	
2-Chlorophenol-d4 (S)	%	65	20-130	10/02/17 17:33	
2-Fluorobiphenyl (S)	%	70	30-115	10/02/17 17:33	
2-Fluorophenol (S)	%	62	25-121	10/02/17 17:33	
Nitrobenzene-d5 (S)	%	65	23-120	10/02/17 17:33	
p-Terphenyl-d14 (S)	%	90	18-137	10/02/17 17:33	
Phenol-d5 (S)	%	65	24-113	10/02/17 17:33	

LABORATORY CONTROL SAMPLE: 191999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1170	70	35-110	
1,2-Dichlorobenzene	ug/kg	1670	1120	67	36-107	
1,3-Dichlorobenzene	ug/kg	1670	1120	67	34-104	
1,4-Dichlorobenzene	ug/kg	1670	1090	66	35-108	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1280	77	33-116	
2,4,5-Trichlorophenol	ug/kg	1670	1430	86	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	1250	75	45-110	
2,4-Dichlorophenol	ug/kg	1670	1380	83	41-117	
2,4-Dimethylphenol	ug/kg	1670	1020	61	24-96	

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

LABORATORY CONTROL SAMPLE: 191999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/kg	1670	779	47	10-80	
2,4-Dinitrotoluene	ug/kg	1670	1500	90	49-112	
2,6-Dinitrotoluene	ug/kg	1670	1480	89	50-109	
2-Chloronaphthalene	ug/kg	1670	1220	73	35-107	
2-Chlorophenol	ug/kg	1670	1140	68	36-109	
2-Methylnaphthalene	ug/kg	1670	1270	76	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	1290	77	36-104	
2-Nitroaniline	ug/kg	1670	1120	67	42-118	CL
2-Nitrophenol	ug/kg	1670	1410	85	36-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1200	72	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	1470	88	41-116	
3-Nitroaniline	ug/kg	1670	1230	74	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	1060	64	16-104	
4-Bromophenylphenyl ether	ug/kg	1670	1510	91	50-116	
4-Chloro-3-methylphenol	ug/kg	1670	1540	93	45-118	
4-Chloroaniline	ug/kg	1670	892	53	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	1150	69	48-111	
4-Nitroaniline	ug/kg	1670	1220	73	46-110	
4-Nitrophenol	ug/kg	1670	1220	73	26-118	
Acenaphthene	ug/kg	1670	1390	83	45-109	
Acenaphthylene	ug/kg	1670	1350	81	43-107	
Anthracene	ug/kg	1670	1590	95	50-117	
Benzo(a)anthracene	ug/kg	1670	1450	87	52-116	
Benzo(a)pyrene	ug/kg	1670	1430	86	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1310	79	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	2140	129	30-107	CH,L1
Benzo(k)fluoranthene	ug/kg	1670	1430	86	54-124	
bis(2-Chloroethoxy)methane	ug/kg	1670	1120	67	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	1030	62	32-116	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1880	113	60-127	
Butylbenzylphthalate	ug/kg	1670	1780	107	54-130	
Carbazole	ug/kg	1670	1730	104	40-120	
Chrysene	ug/kg	1670	1570	94	48-121	
Di-n-butylphthalate	ug/kg	1670	1900	114	53-124	CH
Di-n-octylphthalate	ug/kg	1670	1550	93	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	1870	112	52-109	L1
Dibenzofuran	ug/kg	1670	1350	81	48-112	
Diethylphthalate	ug/kg	1670	1480	89	51-114	
Dimethylphthalate	ug/kg	1670	1370	82	49-112	
Fluoranthene	ug/kg	1670	1590	95	45-126	
Fluorene	ug/kg	1670	1340	80	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	1060	64	36-118	
Hexachlorobenzene	ug/kg	1670	1840	110	51-110	CH
Hexachlorocyclopentadiene	ug/kg	1670	388	23	10-97	CL
Hexachloroethane	ug/kg	1670	1120	67	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1910	114	50-108	CH,L1
Isophorone	ug/kg	1670	1220	73	14-129	

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

LABORATORY CONTROL SAMPLE: 191999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitroso-di-n-propylamine	ug/kg	1670	1090	65	33-109	
N-Nitrosodiphenylamine	ug/kg	1670	1600	96	39-90	L1
Naphthalene	ug/kg	1670	1290	77	18-142	
Nitrobenzene	ug/kg	1670	1200	72	36-119	
Pentachlorophenol	ug/kg	1670	776	47	22-115	CL
Phenanthrene	ug/kg	1670	1580	95	47-124	
Phenol	ug/kg	1670	1180	71	38-104	
Pyrene	ug/kg	1670	1570	94	49-132	
1,2-Dichlorobenzene-d4 (S)	%.			68	20-130	
2,4,6-Tribromophenol (S)	%.			120	19-122	
2-Chlorophenol-d4 (S)	%.			73	20-130	
2-Fluorobiphenyl (S)	%.			77	30-115	
2-Fluorophenol (S)	%.			70	25-121	
Nitrobenzene-d5 (S)	%.			74	23-120	
p-Terphenyl-d14 (S)	%.			91	18-137	
Phenol-d5 (S)	%.			69	24-113	

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QUALITY CONTROL DATA

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

QC Batch: 41329

Analysis Method: ASTM D2216-92M

QC Batch Method: ASTM D2216-92M

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 7031377001

SAMPLE DUPLICATE: 192495

Parameter	Units	7031048019 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	31.3	30.5	3	

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QUALIFIERS

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 7031377001

[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.

ANALYTE QUALIFIERS

C9 Common Laboratory Contaminant.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FOUNDRY FILL DIRT 9/27

Pace Project No.: 7031377

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7031377001	MONTEMORANO TOPSOIL	EPA 3545A	41236	EPA 8081B	41343
7031377001	MONTEMORANO TOPSOIL	EPA 3545A	41237	EPA 8082A	41347
7031377001	MONTEMORANO TOPSOIL	EPA 3050B	41254	EPA 6010C	41308
7031377001	MONTEMORANO TOPSOIL	EPA 7471B	41629	EPA 7471B	41666
7031377001	MONTEMORANO TOPSOIL	EPA 3545A	41239	EPA 8270D	41326
7031377001	MONTEMORANO TOPSOIL	EPA 5035A-L	41407	EPA 8260C	41455
7031377001	MONTEMORANO TOPSOIL	ASTM D2216-92M	41329		

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Sample Condition Upon Receipt

Client Name: _____

Proj _____

WO#: 7031377

PM: JM2 Due Date: 10/04/17
CLIENT: GENEVA

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 7703 7391 7352

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No

Seals intact: ☒ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Ziploc ☐ None ☐ Other

Type of Ice: Wet Blue None

Thermometer Used: TH092

Correction Factor: +0.1

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 1.2

Cooler Temperature Corrected (°C): -1.3

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: SB 9/29/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No	10.
Containers Intact:	<input type="checkbox"/> Yes <input type="checkbox"/> No	11.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix: <u>SL</u> WT OIL		
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #		15.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

APPENDIX K

APPROVED SITE RE-GRADING PLAN

SITE RE-GRADING PLAN
for the
BROWNFIELD CLEANUP PROGRAM
at the
FORMER GENEVA FOUNDRY SITE
OPERABLE UNITS 1 AND 2
Jackson Street
City of Geneva, Ontario County, New York
BCP Site No. C835027

Prepared for:

CITY OF GENEVA
47 Castle Street
Geneva, New York 14456

Prepared by:



8232 Loop Road
Baldwinsville, New York 13027
(315) 638-8587
Project No. 2015003

July 2017

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ATTACHMENTS

FIGURE 1 - SITE PLAN

FIGURE 2 - SITE RE-GRADING PLAN

LIST OF SITE CONTACTS

1.0 INTRODUCTION

The City of Geneva (City) owns the Former Geneva Foundry Site located on Jackson Street in the City of Geneva, Ontario County, New York. Site remediation is being performed through the New York State Brownfield Cleanup Program (BCP) under Site No. C835027.

A Remedial Action Work Plan (RAWP) was approved by the New York State Department of Environmental Conservation (DEC) that includes the excavation of four distinct areas, which are to be overseen by an onsite qualified environmental professional. Confirmation samples will be collected in accordance with the RAWP and analytical results submitted to the DEC for approval.

The DEC supervised the demolition of former onsite buildings in 2005, leaving concrete foundation walls and floor slabs. Refer to *Figure 1 – Site Plan* for additional information. The City proposes to improve the property's marketability by removing the exposed concrete foundation walls and floor slabs and re-grading the site, as shown on *Figure 2 – Site Re-Grading Plan*. The City plans to implement the re-grading plan following completion of the RAWP and upon written authorization from DEC to proceed. The proposed re-grading plan involves moving existing onsite soil only, and no removal or importation of soil is anticipated. *In-situ* soil sampling will be performed prior to removal of the existing concrete slabs to document that the top 2 feet of finished grade will comply with the soil cover requirements in the January 2017 Record of Decision.

2.0 NOTIFICATION

The City will notify the DEC DER Project Manager of the intent to implement the re-grading plan following receipt of the analytical results from the soil screening samples. Refer to the *List of Site Contacts* for a full listing of site-related contact information.

Notification will include:

- The planned date to implement the re-grading plan. The proposed re-grading will take place following the soil cover installation completed as part of the remedial action and will not impact an engineering control.
- Analytical results from the soil screening process.
- A schedule for the work, detailing the start and completion of all intrusive work.
- A summary of the applicable components of the site re-grading plan.
- A statement confirming the work will be performed in compliance with the soil re-grading plan and Code of Federal Regulations, Title 29 (29 CFR) 1910.120 *Hazardous Waste Operations and Emergency Response*.
- An electronic copy of the Health and Safety Plan (HASP) (RAWP Appendix C).
- Identification of disposal facilities for potential waste streams.
- Identification of sources of any anticipated backfill, along with all required chemical testing results.

3.0 GROUNDWATER MONITORING WELL DECOMMISSIONING

Four 2-inch diameter monitoring wells installed to a depth of 15 feet (MW-1, MW-2, MW-5 and MW-6) and two 1-inch diameter monitoring wells installed to a depth of 9 feet (MW-3 and MW-4) will be decommissioned in general conformance with the New York State Department of Environmental Conservation (DEC) *Groundwater Monitoring Well Decommissioning Policy*.¹ Refer to the attached *Figure 1 – Site Plan* for additional information.

¹DEC Commissioner Policy, CP-43: *Groundwater Monitoring Well Decommissioning Policy*, issued November 3, 2009.

The monitoring well decommissioning work will consist of the following tasks:

- Coordinate public utility clearance with Dig Safely New York and private subsurface utility clearance with the owner.
- At each monitoring well location:
 - Remove protective riser with concrete pad and excavate materials to 6 inches below grade.
 - Remove well screen and riser pipe, and grout borehole with cement/Bentonite to 6 inches from grade using the punch pull and grouting method. If the casing fractures, such that the well screen is not removed, over-drill the well to its full depth and grout to ground surface or grout the well in-place.
 - Compact with gravel from 6 inches to grade.
- Submit a Groundwater Well Decommissioning Report to the DEC within four to six weeks following completion of the well decommissioning field work.

4.0 SOIL SCREENING

Visual, olfactory and instrument-based (e.g. photoionization detection meter) soil screening will be performed by a qualified environmental professional during all soil disturbances, such as removals of foundations and slabs, and re-grading. Prior to removing the concrete slabs, soil samples will be collected for analysis from the areas that will comprise the top 2 feet of finished grade to assess whether the soil cover requirements will be met. Soil samples will be collected in accordance with the recommended sampling frequencies noted in *Table 5.4(e)10 of DER-10/ Technical Guidance for Site Investigation and Remediation (DER-10)*, based on the planned reuse of soils as cover.

An evaluation will be performed if the soil samples collected during the screening procedures indicate the presence of soils exceeding SCO's for restricted residential use. The evaluation will determine whether the soils in question can be incorporated into the re-grading plan in an area where they will be covered with an appropriate soil cover or whether the materials should be excavated and transported offsite for disposal in accordance with all local, State and Federal regulations.

5.0 SOIL MANAGEMENT

The City and its contractors are responsible for the safe execution of all invasive and other work performed under this plan. A qualified environmental professional, or person under their supervision, will oversee all invasive work and management of exposed soils.

The presence of onsite utilities and easements will be investigated by the City in consultation with a qualified environmental professional to determine whether utilities or easements pose a risk or impediment to the proposed re-grading plan.

Graders and/or bulldozers will be used to re-grade the underlying soils to the new topography detailed on Figure 2 following removal of concrete foundations and slabs. Soil stockpiles are not anticipated. As previously noted, soil samples will be collected at appropriate depths and at a frequency consistent with the requirements of Section 5.4(e) of DER-10 to document that site soils can be reused for soil cover. These samples will be collected from below the existing concrete slabs prior to their removal.

A truck and equipment wash will be operated onsite. A qualified environmental professional will be responsible for ensuring all outbound trucks and equipment are washed before leaving the site until activities performed under this section are complete. Truck and equipment wash waters will be collected and properly disposed of offsite.

Locations where vehicles enter or exit the site shall be inspected daily for evidence of offsite soil tracking. A qualified environmental professional will be responsible for ensuring all egress

points for truck and equipment transport from the site are clean of dirt and other materials derived from the site during intrusive excavation activities. Cleaning of the adjacent streets will be performed, as needed, to maintain a clean condition with respect to site-derived materials.

Transport of soils offsite is not anticipated during the proposed re-grading. If a situation occurs where soil removal may be warranted, the DEC Project Manager will be notified for prior approval. If soil is to be removed, haulers will be appropriately licensed and trucks used to transport soil offsite will be tarped, securely covered, manifested and placarded in accordance with local, State and Federal requirements. Truck liners will be used if loads are to contain wet material capable of producing free liquid.

Vehicles leaving the site will proceed east along Jackson Street to Exchange Street (State Highway 14). This truck route is noted on the Figure 1. All trucks loaded with site materials will exit the vicinity of the site using only this approved truck route. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of City-mapped truck routes; (c) prohibiting offsite queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. Trucks will be prohibited from stopping and idling in the neighborhood outside the project site.

Any queuing of trucks will be performed onsite in order to minimize offsite disturbance. Offsite queuing will be prohibited.

6.0 ONSITE SOIL REUSE

As noted in Section 4.0, soil samples will be collected prior to removal of the slabs to document that onsite soils can be incorporated into the soil cover of the regraded site. The qualified environmental professional will ensure that procedures defined for material reuse are followed and that unacceptable material does not remain onsite. Contaminated onsite material (including historic fill and contaminated soil) that is acceptable to the DEC for onsite reuse will be placed

below a demarcation layer or impervious surface and will not be reused within a cover soil layer, within landscaping berms or as backfill for subsurface utility lines.

If encountered, any onsite non-masonry demolition material proposed for reuse onsite will be sampled for asbestos and the results reported to the DEC for acceptance. Concrete crushing or processing will not be performed onsite without prior DEC approval. Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the site will not be reused.

7.0 OFFSITE SOIL DISPOSAL

If the soil screening evaluation indicates the need for offsite disposal of soils, the proposed locations for excavated soils will be identified in the notification to the DEC. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, i.e. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, construction demolition recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the DEC in Periodic Review Reports and will include waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Any non-hazardous historic fill and contaminated soils taken offsite will be handled as Municipal Solid Waste per 6NYCRR Part 360-1.2, at a minimum. Material that does not meet unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

8.0 LIQUIDS MANAGEMENT

Groundwater is not expected to be encountered during the proposed re-grading. Liquids management is expected to be limited to wash waters from the truck and equipment decontamination area. All liquids to be removed from the site will be handled, transported and

disposed in accordance with applicable local, State and Federal regulations. Dewatering liquids, if encountered, will not be recharged back to the land surface or subsurface of the site and will be managed offsite unless prior approval is obtained from DEC.

While not anticipated, discharge of water generated during large-scale construction activities to surface waters (i.e. a local pond, stream or river) will be performed under a State Pollutant Discharge Elimination System (SPDES) permit.

9.0 COVER SYSTEM RESTORATION

As documented by the soil screening sampling, the re-grading will include a cover system of onsite soils that complies with the Record of Decision. The upper 24 inches of soil in the final re-grading will meet the soil cover criteria. If necessary, a demarcation layer consisting of orange snow fencing material, white geotextile or equivalent will be placed below the soil cover to provide a visual reference to the top of any remaining contamination zone. Soil surfaces will be seeded and mulched when final grades are established.

10.0 BACKFILL FROM OFFSITE SOURCES

Import of fill materials is not anticipated. If offsite sources should be necessary, any materials proposed for import onto the site will be approved by the qualified environmental professional and the DEC, and will comply with provisions in this re-grading plan prior to receipt at the site. A *Request to Import/Reuse Fill or Soil*² form will be prepared and submitted to the DEC Project Manager, allowing a minimum of 5 business days for review.

Material from industrial sites, spill sites, other environmental remediation sites or potentially contaminated sites will not be imported to the site.

²Form available at <http://www.dec.ny.gov/regulations/67386.html>

All imported soils will meet the backfill and cover soil quality standards established in 6NYCRR 375-6.7(d). Soil quality standards are listed in 6NYCRR 375-6.8 for restricted residential use. Soils that meet exempt fill requirements under 6NYCRR Part 360, but do not meet backfill or soil cover objectives, will not be imported onto the site without prior approval by the DEC. Solid waste will not be imported onto the site.

Trucks entering the site with imported soils will be securely covered. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

11.0 STORMWATER POLLUTION PREVENTION

As the proposed re-grading will result in a disturbance of more than one acre, a State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity will be required from the DEC. The permit consists of the Stormwater Management Plan and the Erosion and Sediment Control Plan, which are both prepared as part of the Site Plan Approval process, along with the Notice of Intent (NOI) and the Stormwater Pollution Prevention Plan (SWPPP). A SWPPP has been prepared. Barriers and hay bale checks will be installed in accordance with the SWPPP, and will be inspected once a week and after every storm event. Results of inspections will be recorded in a logbook maintained at the site and made available for inspection by the DEC. All necessary repairs shall be made immediately.

Accumulated sediments will be removed, as required, to keep the barrier and hay bale check functional. Any undercutting or erosion of the silt fence toe anchor will be repaired immediately with appropriate backfill materials.

Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in this re-grading plan will be observed to ensure they are operating correctly. Where discharge locations or points are accessible, they

shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.

12.0 EXCAVATION CONTINGENCY PLAN

If underground tanks or other previously unidentified contaminant sources are discovered during the proposed re-grading, site activities will be suspended until sufficient equipment is mobilized to address the condition and the DEC is notified.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Unless site history and previous sampling results provide sufficient justification to limit sampling, chemical analysis will be performed for a full list of analytes [Target Analyte List (TAL) metals; Target Compound List (TCL) volatiles and semi-volatiles, TCL pesticides and polychlorinated biphenyls (PCBs)]. If circumstances indicate a reason to limit the proposed analyses, a reduced list of analytes will be proposed to the DEC for approval prior to sampling.

Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated by phone to the DEC's Project Manager. Reportable quantities of petroleum product, if encountered, will also be reported to the DEC spills hotline.

13.0 COMMUNITY AIR MONITORING PLAN

Air monitoring will be performed in accordance with the Community Air Monitoring Program (CAMP) included in the approved RAWP. Locations of air sampling stations, based on generally prevailing wind conditions, are shown on Figure 1. Locations will be adjusted on a daily or more frequent basis, based on actual wind direction, in order to provide an upwind and at least two downwind monitoring stations.

Exceedances of action levels listed in the CAMP will be reported to the DEC Project Manager and New York State Department of Health (DOH).

14.0 ODOR CONTROL PLAN

Adverse odors are not anticipated to be encountered, based on previous sampling at the site. If nuisance odors are identified at the site boundary or if odor complaints are received, work will be halted and the source of odors identified and corrected. Work will not resume until all nuisance odors have been abated. The DEC and DOH will be notified of all odor events and of any other complaints regarding the project. Implementation of all odor controls, including the halt of work, is the responsibility of the onsite qualified environmental professional, and any measures that are implemented will be discussed with the DEC Project Manager.

All necessary means will be employed to prevent onsite and offsite nuisances. These measures may include limiting the area of exposed soils and/or shrouding open excavations with tarps and other covers. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances may include the direct load-out of soils to trucks for offsite disposal (with DEC approval), use of chemical odorants in spray or misting systems and/or use of staff to monitor odors in surrounding neighborhoods.

15.0 DUST CONTROL PLAN

A dust suppression plan shall be implemented to address dust management during invasive onsite work, as follows:

- Dust suppression will be achieved through the use of a dedicated onsite water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas, including excavations and stockpiles.

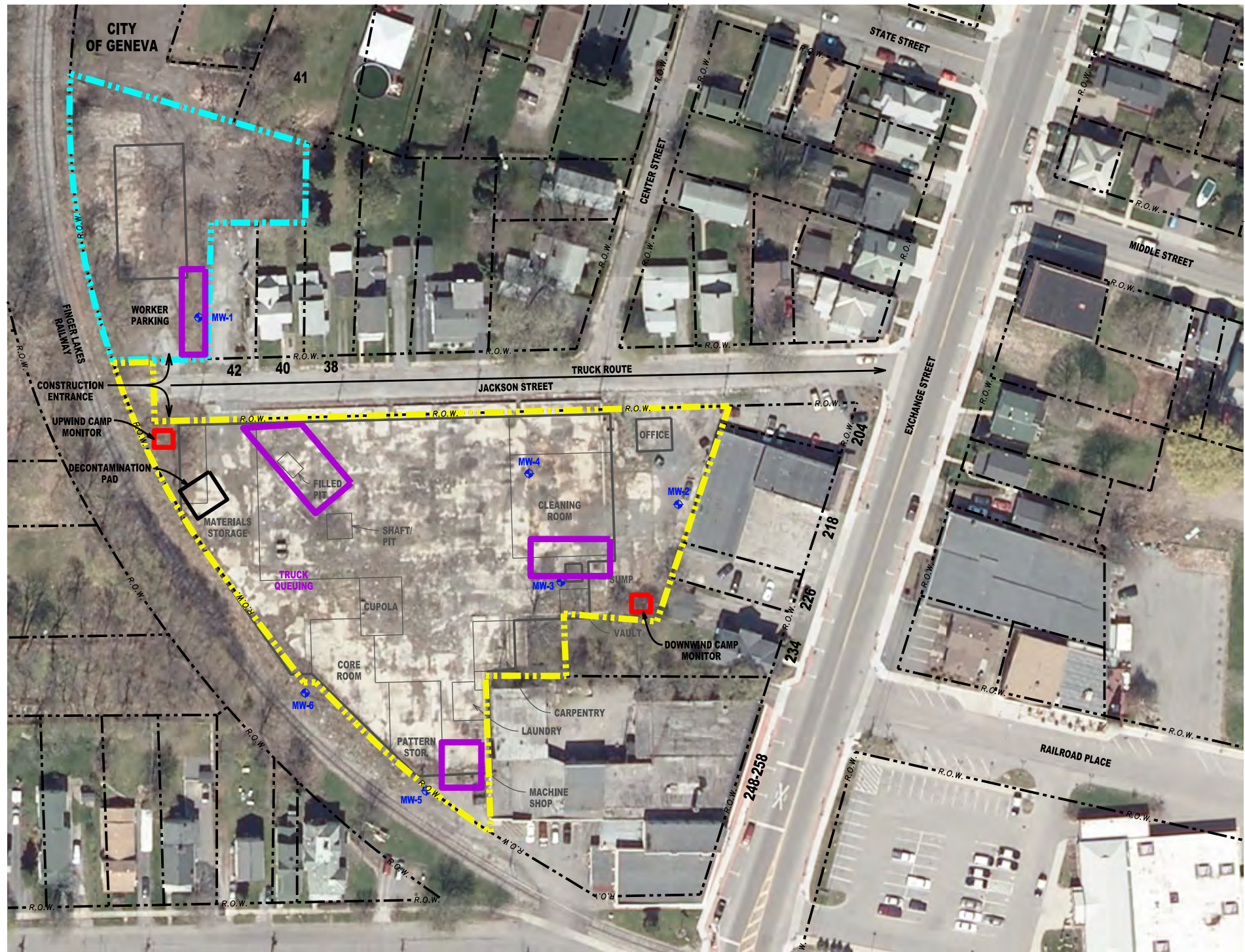
- Site re-grading will be done in stages to limit the area of exposed, unvegetated soils vulnerable to dust production.
- Re-grading of the site will commence at points located farthest from the site access points and progress toward the access points, thereby assuring that equipment and vehicles will operate on the existing concrete slab as much as possible.
- The areas will be seeded and mulched as final grade elevations are reached.
- Onsite roads will be limited in total area to minimize the area required for water truck sprinkling.

16.0 OTHER NUISANCES

A plan for rodent control is not required for the proposed re-grading, as the site currently consists of concrete foundation walls and floor slabs of the former onsite buildings.

Site work will comply with local noise control ordinances.

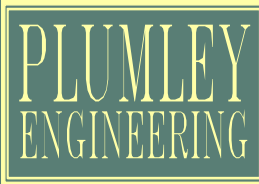
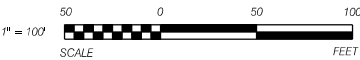
ATTACHMENTS



Key

- R.O.W. --- Right of Way
- Property Line
- Operable Unit 1
- Operable Unit 2
- Estimated Extend of Excavations for Restricted Residential SCOs
- Upwind & Downwind Camp Monitors
- Monitoring Well to be Decommissioned (Installed by Others)

Plan View



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Civil and Environmental Engineering

REVISIONS:	DATE:	BY:
△		

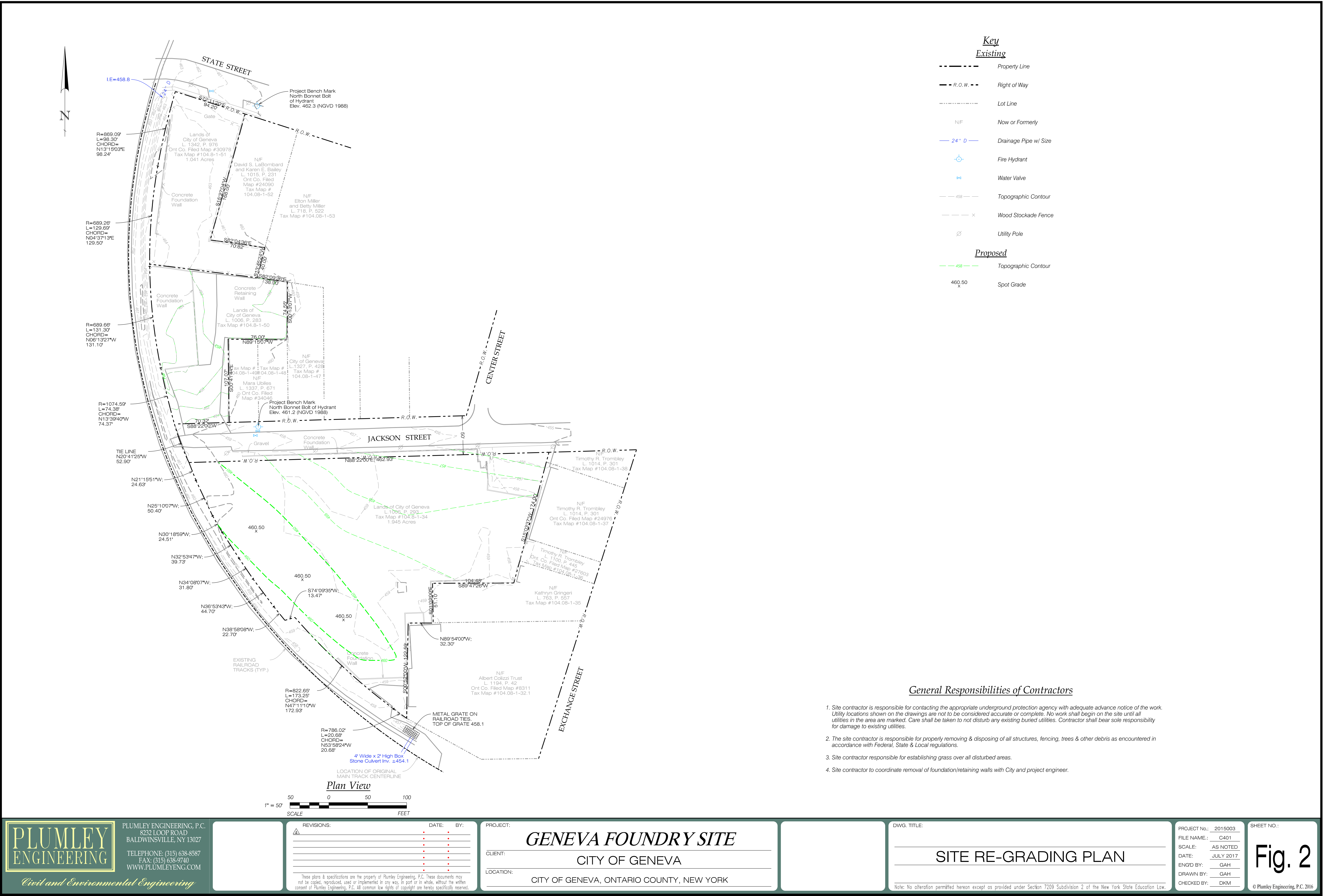
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PROJECT: **FORMER GENEVA FOUNDRY SITE**
DWG. TITLE: **SITE PLAN**
CLIENT: **CITY OF GENEVA**
LOCATION: **CITY OF GENEVA, ONTARIO COUNTY, NEW YORK**
Note: No alteration permitted hereon except as provided under Section 7209 Subdivision 2 of the New York State Education Law.

PROJECT No.: 2015003
FILE NAME.: FIGURE 1
SCALE: AS NOTED
DATE: JULY 2017
ENG'D BY: DKM
DRAWN BY: JJJ
CHECKED BY: DRV

SHEET NO.:
FIGURE 1

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FORMER GENEVA FOUNDRY SITE
Jackson Street
City of Geneva, Ontario County, New York
BCP Site No. C835027

LIST OF SITE CONTACTS

Site Owner and Remedial Party:

CITY OF GENEVA
Mathew D. Horn, City Manager
Telephone: (315) 789-6104
Email: NLB@Geneva.ny.us

Qualified Environmental Professional:

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DEC DER Project Manager:

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DEC Site Control Section:

Division of Environmental Remediation
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APPENDIX L

HEALTH AND SAFETY PLAN / COMMUNITY AIR MONITORING PLAN

HEALTH AND SAFETY PLAN
for
REMEDIAL ACTIVITIES

at the

FORMER GENEVA FOUNDRY SITE
Jackson Street
City of Geneva, Ontario County, New York
BCP Site No. C835027

Prepared for:

CITY OF GENEVA
47 Castle Street
Geneva, New York 14456

Prepared by:



8232 Loop Road
Baldwinsville, New York 13027
(315) 638-8587
Project No. 2015003

November 2016
Updated May 2017

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ATTACHMENT B – DAILY WORK ZONE AIR MONITORING LOG SHEET

1.0 PURPOSE AND APPLICABILITY

This Health and Safety Plan (HASP) outlines precautions and protective measures that employees and subcontractors (“Workers”) of Plumley Engineering must take to minimize the risk to health and safety while performing remedial activities at Operable Units 01 and 02 of the former Geneva Foundry site, located on Jackson Street in the City of Geneva, Ontario County, New York. The site consists of two parcels that were investigated under the Environmental Restoration Program (ERP), prior to being accepted into the Brownfield Cleanup Program (BCP). A Remedial Action Work Plan (RAWP) presenting the proposed actions to address remaining contamination on the site will be submitted to the New York State Department of Environmental Conservation (DEC). Each worker shall review the HASP prior to working on the site. If activities require parties other than the engineer or its subcontractors to be at the site, these parties are solely responsible for maintaining compliance with all applicable regulations and for their own health and safety procedures. All on-site workers must have received the appropriate level of training for their specific duties in accordance with Occupational Safety and Health Administration (OSHA) 29 CFR 1910.120 (e).

2.0 SITE DESCRIPTION

The site is located in a mixed residential-commercial area in the City of Geneva, New York and consists of two parcels, one south of Jackson Street and one north of Jackson Street. The buildings that formerly occupied the site were demolished and both parcels are now vacant properties. Refer to Figure 1 for additional information.

DEC issued a Record of Decision (ROD) in January 2017, and the RAWP being developed will be consistent with the contents of the ROD.

3.0 SCOPE OF WORK

The following tasks are proposed to remediate the site:

- The ROD notes four areas to be excavated and removed for appropriate off-site disposal, with estimated depths of two feet. Existing concrete slabs remaining from the former buildings will be removed prior to excavating the designated areas.
- Waste characterization samples will be collected from the areas to be remediated, analyzed and submitted for approval to the Ontario County Landfill. Excavated soil will be loaded directly onto trucks following approval for disposal, covered and transported by a Part 364-permitted hauler to the landfill. Excavations will be carefully screened throughout the excavation process for indications of potential releases. Screening will consist of visual and olfactory monitoring, and use of a photoionization detection (PID) meter and a Field X-ray Fluorescence (XRF) instrument.
- If further impacted soils are not suspected, confirmation samples will be collected in accordance with DEC requirements and submitted to an ELAP-certified environmental laboratory for analysis of Target Compound List (TCL) semi-volatile organic compounds (SVOCs) plus Tentatively Identified Compounds (TICs) using EPA Method 8270 and Target Analyte List (TAL) metals for confirmation purposes.
- Stakes and plastic fencing will be placed around the excavations prior to leaving the site.
- If the results of the confirmation samples meet the soil cleanup objectives for restricted residential use, the excavations will be backfilled with clean fill that meets the requirements of Appendix 5 of DER-10.
- The removal tasks will be documented in a Site Management Plan and a Final Engineering Report.

These field activities are anticipated to take place during the 2017 calendar year.

4.0 HEALTH AND SAFETY PERSONNEL

The following personnel are responsible for the development, implementation and maintenance of this HASP:

Project Manager.....David K. Meixell, P.E.

Site Safety Officer.....David K. Meixell, P.E.

Although responsibility for implementing this HASP is with the Site Safety Officer, the primary responsibility for health and safety lies with the individual workers. Each worker must be familiar with and conform to the safety procedures outlined in this HASP. The Site Safety Officer is responsible for all decisions regarding health and safety policies, procedures and protective measures. It is the responsibility of the Site Safety Officer to provide the resources required to allow the work to be conducted in conformance with this HASP.

The Site Safety Officer will also be responsible for:

- Maintaining a complete copy of the HASP at the site during all field activities.
- Assuring that all workers at the site are familiar with the procedures outlined in the HASP.
- Assuring that all workers have undergone the required OSHA training program.
- Assuring that workers have, and properly use and maintain, all specified personal protective and other health and safety equipment.
- Assuring that proper decontamination procedures are followed.
- Initiating immediate response actions, if necessary, and coordinating these actions with all workers at the site, any other individuals at the site, any involved agencies or medical facilities.

- Recommending improvements to this HASP, if needed.

The Site Safety Officer has the authority to:

- Direct any worker to alter or suspend any work practice they deem is not sufficient to protect human health.
- Deny access to the site to any individual or organization who does not have a complete copy of the HASP and/or the appropriate training and personal protective equipment (PPE) for the potential health and safety hazards at the site.

The presence or absence of the Site Safety Officer shall in no way relieve any individual or organization of their obligation to comply with the HASP or any applicable Federal, State and local laws and regulations.

5.0 GENERAL INFORMATION

Plan Prepared By / Date: Plumley Engineering / May 2017

Proposed Date(s) of Work: Initial activities will be in 2017. Follow-up activities may occur at various times throughout 2017.

Background Review: Preliminary _____ Complete X

A review of prior site investigation and environmental site assessment reports has been completed sufficiently to support the preparation of the site HASP. As more detailed information is obtained or if new information is obtained that requires a modification to the HASP, an addendum will be issued.

6.0 SITE CONTAMINANT CHARACTERISTICS

Definition of Site Contaminants of Concern

The site formerly operated as a foundry for over 100 years. The main foundry building was located on the southern parcel with an associated building located on the northern parcel. Contaminants of concern (COCs) identified in the site soils include:

- Metals, including chromium, lead and mercury.
- SVOCs, including benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene.

Potential Hazardous Material(s)

The areas identified for remediation contain the COCs. A representative of Plumley Engineering will monitor the progress of the excavations for visual or olfactory evidence of contamination, and will screen the excavation with a PID meter and an XRF instrument.

7.0 HAZARD EVALUATION AND REDUCTION

Although less volatile than the volatile organic compounds (VOCs), SVOCs may also be present in the breathing zone.

Chemical constituents could occur in soils at the site, and thus pose a potential dermal exposure risk that can result from handling site soil or equipment that has come into contact with impacted soil.

The current OSHA permissible exposure limits (PEL) standards are provided in Table 1. Workers are not expected to be exposed to conditions exceeding the PEL.

Based on the nature of the contaminant and the type of work being performed, the most significant hazards at this site are:

- Potential direct contact with VOCs and SVOCs during excavation activities. The PPE requirements for the project are designed to eliminate this risk to the extent practical.
- Physical hazards related to operating and working with excavation equipment. All equipment operators and inspectors shall be familiar with the associated physical hazards and shall have had at least five years of related experience. Environmental contractors shall provide copies of their current HASP to the project engineer for review. The PPE requirements for the project are designed to eliminate this risk to the extent practical.

There are three primary pathways by which site workers can be exposed to chemical hazards: inhalation, ingestion and dermal contact. The chemical exposures across these pathways can cause two types of effects: acute and chronic. Acute effects occur during or shortly after exposure to a sufficiently high concentration of a chemical. Chronic effects occur after repeated or constant exposures for a long period of time. Regulatory exposure limits, such as PELs, are related to both acute effects (such as respiratory irritation) and chronic effects (such as cancer). Symptoms of chemical exposure may include behavioral changes, breathing difficulties, skin color changes, coordination difficulties, coughing, dizziness, weakness, irritability, skin irritation, eye irritation, respiratory tract irritation, headache, nausea, lightheadedness, sneezing, etc.

The primary pathway exposures associated with site VOCs is inhalation and dermal contact with affected media or tools that have come into contact with the affected media. SVOCs may also be present in the breathing space, although typically at concentrations less than VOCs. Real-time ambient air monitoring, appropriate engineering controls, PPE and good hygiene practices will be employed to minimize exposure to VOCs. Exposures to SVOCs, metals, pesticides and polychlorinated biphenyls (PCBs) is primarily by dermal contact with affected media or tools that have come into contact with the affected media.

Another potential pathway for exposure to COCs is through inhalation and dermal contact with airborne dust derived from contaminated soil.

The following precautions will be taken to reduce the potential exposure to site COCs during site investigation and remediation activities:

- Field personnel will conduct air monitoring with a PID meter during excavation activities to measure total concentrations of VOCs in the work zone breathing space.
- Engineering controls and/or appropriate respiratory protection will be used if visible dust does become present in the breathing space.
- The work procedures shall be modified if VOCs in the breathing space rise above action levels.
- Site investigation activities will be conducted in Level D PPE to minimize dermal exposure to potentially affected media (i.e., specifying the use of disposable protective gloves when handling site materials during field sampling activities) and reduce the risk of physical hazards (by requiring hard hats and safety glasses when inspecting drilling or test pits), as detailed in Section 8. The PPE will be upgraded, as necessary, for organic vapor, dermal and dust inhalation hazards.
- Any non-disposable PPE that comes in contact with potentially affected facility media will be decontaminated prior to leaving the work area.
- Soap, clean water and paper towels for washing hands will be provided at the site during all field activities. Hands will be washed thoroughly prior to eating, drinking and leaving the site.

The Site Safety Officer will have the NIOSH *Pocket Guide to Chemical Hazards* available for reference at the site. This reference identifies exposure routes, exposure symptoms, physical

properties, chemical incompatibilities, first aid treatment and other information for many chemical compounds.

Physical hazards expected during the investigation and remediation activities are related to working with heavy construction equipment (backhoe), potential utility conflicts for the excavation work, and slip, trip and fall hazards. Additional physical hazards may include heat or cold stress. These hazards will be evaluated by the Site Safety Officer prior to beginning work in a new area and as conditions change in the work area. The following precautions will be taken to reduce the physical hazards:

- A utility clearance program shall be completed prior to initiating the project, to include contacting Dig Safely New York and researching private utilities. No subsurface borings or test pits will be started at any location prior to utility clearance.
- “Tailgate” safety briefings will be conducted by the Site Safety Officer to identify additional safety protocols, as needed.
- The specified PPE shall be worn by all workers in the project exclusion zone.
- No confined space entries will take place under this HASP. If a confined space entry becomes necessary, appropriate confined space entry procedures will be detailed in an addendum to this plan.
- A warming space will be provided during cold weather, if needed.
- Good housekeeping in the work area will be maintained.

If VOCs in the breathing space are detected above action levels (or as determined by the monitoring plan), work will cease until a determination is made as to whether further controls are required.

If necessary, engineering controls will be developed to minimize dust generation at the sampling location. For example, water may be sprayed on the surface soils to reduce breathing space dust concentrations.

Encountering unknown or unexpected substances or containers of a hazardous nature is possible, though not expected based on the degree of prior investigation and remedial activities undertaken at the site. Work will be discontinued if field measurements or observations indicate there is a potential exposure to a hazard that was not anticipated, is not adequately characterized and controlled, or may exceed the protection provided by the PPE specified for the task.

8.0 SITE SAFETY WORK PLAN

Site Map

Figure 1 shows the main features on and adjacent to the site, and the locations of prior environmental sampling points.

Site Security

Stakes and plastic fencing will be placed around the excavations and maintained until the excavations are backfilled.

Training

All authorized workers will receive a HASP briefing and will be required to read and sign the HASP at the beginning of the field work. The following main items shall be covered:

- The tasks the workers will be required to perform, as detailed in the Work Plan.
- Site ingress, egress and decontamination procedures.

- Site hazards, accident prevention and overexposure symptoms.
- The required PPE plan and exclusion zone requirements.
- Emergency response procedures.

Attachment A is a record of all authorized workers who have either attended the startup training session or received a similar briefing from the Site Safety Officer, to include any visitors. This shall be kept up-to-date throughout the project.

Should unexpected site conditions be encountered requiring utilization of Level C or higher protection and/or other specialized operations (e.g., a confined space entry), the work shall not be carried out until a Response Team comprised of personnel with proper training in accordance 29 CFR Part 1910.120 (e) (f) (g) is formed to complete such work.

Any new personnel assigned to this project shall receive the HASP briefing and be required to read and sign the HASP before being allowed to perform work. The briefing will be given by the Site Safety Officer or a delegated safety representative who has previously completed this training.

The Site Safety Officer will be responsible for insuring that visitors receive the necessary site-specific visitor training applicable to the visitors' anticipated activities. Site visitors shall not be allowed access to the project exclusion zone unless they receive a site-specific training brief, can demonstrate they have received the appropriate training per 29 CFR Part 1910.120 (e) and have received the required project PPE equipment.

Zone(s) of Contamination Identified

Workers are to assume that COCs may occur anywhere on the site in the surface soils, subsurface soil and groundwater.

Medical Surveillance

If used, subcontractors shall be current with medical surveillance requirements in accordance with 29 CFR Part 1910.120 (f).

Exclusion Zone

Temporary exclusion zones will be established around all subsurface drilling and sampling locations while such operations are being conducted. No unauthorized personnel will be allowed to approach the location, as monitored by the Site Safety Officer. Traffic cones will be used to designate the area, set at a safe distance from the associated hazard, as determined by the Site Safety Officer. Any worker in the exclusion zone shall comply with all aspects of the HASP.

Decontamination Area

A central decontamination area where decontamination materials shall be placed and stored, and procedures conducted, will be designated at the outset of the project. Portable decontamination equipment will also be used to expedite the work.

Personal Protection Equipment

- Level of protection in the exclusion zone shall be Level D – Modified.
- Level D PPE in the exclusion zone shall consist of the use of hard hats, rubber (nitrile) gloves, steel-toed boots if inspecting drilling or test pits operations, ear plugs and safety glasses. Latex gloves will be used by inspectors for handling soil samples.
- Drillers and any other site worker who is in close contact with soils during ground intrusive activities shall wear coveralls or other appropriate clothing to safeguard against debris and skin contact.

- A cellular telephone in proper working order shall be available at the work site at all times.
- Eating, drinking, smoking and carrying food or tobacco products are prohibited in the exclusion zone.

Decontamination Procedures

- ***Personnel:*** Workers shall remove coveralls and wash face and hands with soap and water prior to eating, drinking, using restroom facilities or leaving the site.
- ***Protective Equipment:*** A detergent wash and clean water rinse will be used for rubber boots, hard hats, safety glasses and hand sampling tools.
- ***Sampling Equipment:*** A detergent wash and clean water rinse shall be used to clean sampling equipment before exiting the work site. Decontamination of tools shall be performed at the designated decontamination pad facility. Sampling tools will be dry brushed, as appropriate, prior to detergent cleaning.
- ***Vehicles:*** Trucks and excavation equipment will be decontaminated at the designated decontamination area prior to leaving the site. Excavation equipment will also be decontaminated prior to being brought onto the site.
- ***Disposal:*** Gloves, coveralls, etc., used at the site will be collected at a central location for disposal in accordance with all applicable laws of the State of New York or, where applicable, properly cleaned and disinfected for reuse. All water generated from decontamination shall be collected and containerized for proper testing and disposal in accordance with all applicable laws of the State of New York.

Equipment Checklist

Level D Modified

Hardhat

Steel toed work boots

Safety glasses

Safety goggles or shield, if necessary

Tyvek coveralls, if necessary

Rubber and latex gloves

Hearing Protection

Ear Plugs

Decontamination Materials

Alconox

Brushes

Buckets

Potable water source and portable containers

Low pressure sprayer

Decontamination pad materials, including water containment

Plastic drop cloth material

Garbage can and plastic liners

Field Instruments

Photoionization Detector (PID) / Calibrated 10.6 eV

X-Ray Fluorescence (XRF) Analyzer

Other

Disposal dust masks

Glove and helmet liners for cold weather

9.0 ENVIRONMENTAL MONITORING PLAN

Work Zone Monitoring

Air monitoring in the exclusion zone near the point of operation will be periodically tested by the Site Safety Officer using a PID meter as a general precaution at a frequency of once every 60 minutes, or whenever a fugitive odor suggestive of possible VOCs is encountered. Should readings exceeding 5 parts per million (ppm) be recorded, additional readings in the operator breathing zone will be obtained. Should these levels continue to exceed 5 ppm over a sustained period of one minute, work will be discontinued until appropriate engineering controls (e.g. fan ventilation, vapor suppression) and a Community Air Monitoring Program (CAMP) are employed. The Site Safety Officer will continue to evaluate the situation and, if necessary, upgrade the PPE requirements to include air purifying respirators. Should Level C respirator PPE be required, all workers shall have had the proper training for their use and have had a fitness test performed current within the previous one-year period in accordance with 29 CFR 1910.120.134, Appendix A. Readings will be documented on the log sheet provided in Attachment B.

Community Air Monitoring Program

A CAMP requires real-time monitoring for VOCs and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at the site. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors, including residences and businesses, and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions and/or work shutdown.

Continuous CAMP monitoring for VOCs and particulates will be required for *ground excavation* activities.

Periodic monitoring for VOCs will be required during *non-excavation* activities, such as collection of surface soil and sediment samples, collection of groundwater samples from existing monitoring wells, direct-push soil borings, installation of small diameter monitoring wells and test pits. “Periodic” monitoring during these activities will consist of taking a PID meter reading upon arrival at a test location and periodically during the work, as described above in “Work Zone Monitoring”.

VOC CAMP Monitoring, Response Levels and Actions

VOCs must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone). Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the COCs or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 ppm above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions and monitoring continued. After these steps, work activities can resume, provided the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less (but in no case less than 20 feet), is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shut down.

Particulate CAMP Monitoring, Response Levels and Actions

Particulate concentrations should be monitored **continuously** at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m³) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed

leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m³ above the upwind level and provided that no visible dust is migrating from the work area. If downwind PM-10 particulate levels are greater than 150 mcg/m³ above the upwind level after implementation of dust suppression techniques or if visible emissions are observed, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m³ of the upwind level and in preventing visible dust migration.

All 15-minute readings must be recorded and be available for review by DEC and New York State Department of Health (DOH) personnel. Instantaneous readings, if any, used for decision purposes should also be recorded.

10.0 INVESTIGATION WASTE DISPOSAL PLAN

Investigation derived wastes (IDW) generated during the completion of the remedial investigation shall be handled as follows:

- Drill cuttings may be disposed of back within the borehole, provided the cuttings are not grossly contaminated (containing sheen or free product) and the borehole does not penetrate an aquitard or bedrock, nor creates a significant avenue for vertical migration of contamination. Such backfilling shall be completed to within 12 inches of grade, followed by the placement of 6 inches of bentonite, followed by 6 inches of clean soil (drilling sand) when in outdoor, unpaved areas. Patch with asphalt if in a paved area and with concrete if inside the building.
- Drill cuttings that are grossly contaminated shall be containerized in New York State Department of Transportation (DOT) approved drums or temporarily stockpiled on and

covered with plastic sheeting, and handled in accordance with the off-site disposal requirements discussed below. For test pits, grossly impacted soils shall be containerized in DOT-approved drums or temporarily stockpiled on and covered with plastic sheeting, and disposed of in accordance with the off-site disposal requirements discussed below. Such soils are not to be placed directly on the ground during the excavation procedures. All other soils may be placed back in the pit in the order they were removed and the surface left graded with clean soil to promote runoff.

- Groundwater generated from developing, purging and sampling monitoring wells is to be containerized upon production to allow visual observations and can subsequently be discharged to the ground near the point of on-site generation, provided the groundwater:
 - Is free of visual sheen or oil (no free product). No water is to be discharged at the site if it contains visual product.
 - Has no olfactory indicators.
 - Does not contain a known high concentration of COCs, based on prior site sampling work.

Water containing any of the above characteristics is to be stored in labeled containers in an area affording secondary containment and handled in accordance with the off-site disposal requirements discussed below. Water generated by decontamination procedures is to be handled following the same protocol.

- PPE wastes can be disposed of in a Part 360 permitted solid waste landfill, provided none of the materials contain free product staining. These latter materials are to be handled similarly to grossly impacted soils, as discussed below.
 - Representative samples of the IDW wastes must be collected and analyzed to properly allow the materials to be classified, treated or disposed of.

- Any IDW materials determined to be hazardous or solid wastes are to be transported by haulers permitted in accordance with New York Codes, Rules and Regulations, Title 6 (6 NYCRR) Part 364. Waste manifests are to be provided.
- All IWD materials taken from the site for disposal must be disposed of or treated in DEC-permitted facilities.

11.0 EMERGENCY RESPONSE PLAN

A copy of the HASP and a NIOSH *Pocket Guide of Chemical Hazards* shall be available at the site at all times.

The Site Safety Officer is to be immediately notified of any on-site emergency.

USE THE 911 SYSTEM FOR ANY THREATENING EMERGENCY.

All workers will be alerted upon the occurrence of an emergency involving a potentially ongoing dangerous condition (e.g. a fire, explosion or electrical condition within or adjacent to the site) and the affected area evacuated immediately.

Emergency situations will be evaluated by the Site Safety Officer and initial emergency response measures will be undertaken, if appropriate.

Contact the Project Manager as soon as possible. Emergency telephone numbers are provided.

The following general sequential guidelines are provided for emergency situations:

1. If possible, remove the exposed or injured person(s) from immediate danger. Evacuate other personnel on the property to a safe distance until the Site Safety Officer determines it is safe to return to work.

2. Obtain paramedic and ambulance service (or fire department response, if needed) immediately by calling 911. Render first aid, as applicable to the rescuers' training.
3. If there is any doubt regarding the condition of the area, work shall not commence until all safety issues are resolved.
4. The Site Safety Officer shall contact the Project Manager at the earliest time practical and provide details of the incident.
5. A written report of the incident shall be forwarded to the Project Manager within 24 hours following the incident.

EMERGENCY TELEPHONE NUMBERS

Plumley Engineering..... (315) 638-8587

FOR ALL EMERGENCIES..... 911

(Fire Department, Police Department, Ambulance)

Other Agencies

Fire Department (non-emergency)..... (315) 789-2121

NYSEG (Gas Emergency) (800) 572-1121

NYSEG (Electrical Emergency) (800) 572-1131

Geneva General Hospital (315) 787-4000

DEC Region 8, Avon Office (585) 226-2466

DEC Spill Hotline (800) 457-7362

Nearest Hospital:

Name: Geneva General Hospital

Location 196 North Street
Geneva, New York 14456
(less than one mile from site)

Telephone: (315) 787-4000

Refer to Figure 2 for a map from the Site to Geneva General Hospital.

Written directions to the hospital from the site:

- Head east on Jackson Street.
- Turn left on Center Street and proceed to North Street.
- Turn left onto North Street and proceed to the hospital.

FIGURES

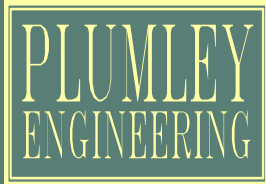
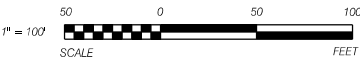
Key

- - - R.O.W. - - - Right of Way
- . - . - Property Line
- - - R.O.W. - - - Former Geneva Foundry Parcels

Adjacent Property Owners

- 41 State Street - Miller, Betty
- 38 Jackson Street - City of Geneva
- 40 Jackson Street - Ubiles, Mara
- 42 Jackson Street - Ubiles, Mara
- 204 Exchange Street - Trombley, Timothy R.
- 218 Exchange Street - Trombley, Timothy R.
- 226 Exchange Street - Trombley, Timothy R.
- 234 Exchange Street - Gringeri, Kathryn
- 248-258 Exchange Street - Albert Colizzi Trust

Plan View



Civil and Environmental Engineering

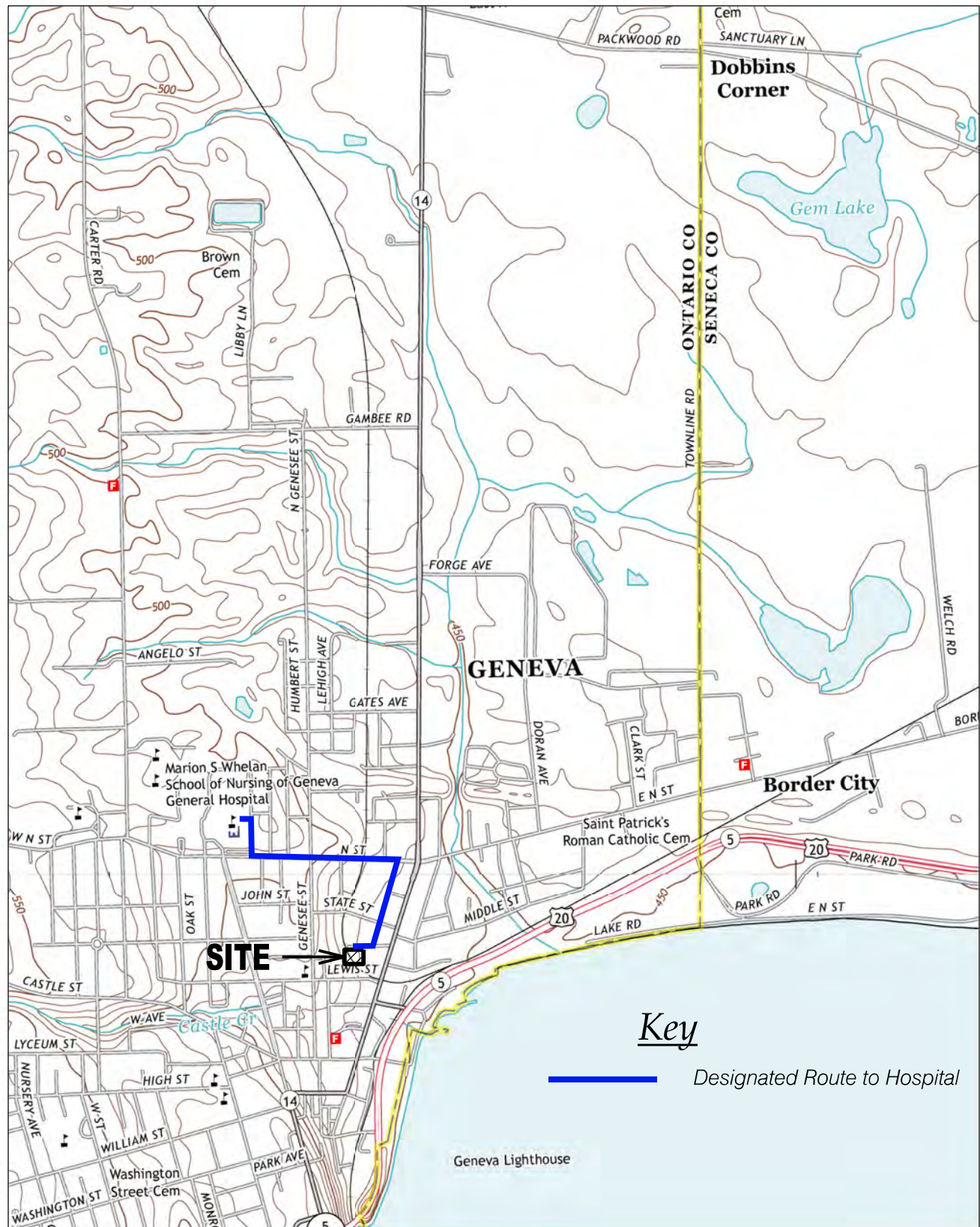
PLUMLEY ENGINEERING, P.C.
8232 LOOP ROAD
BALDWINVILLE, NY 13027
TELEPHONE: (315) 638-8587
FAX: (315) 638-9740
WWW.PLUMLEYENG.COM

REVISIONS:	DATE:	BY:
△		

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PROJECT: GENEVA FOUNDRY SITE
DWG. TITLE: PROPERTY BASE MAP
CLIENT: CITY OF GENEVA
LOCATION: CITY OF GENEVA, ONTARIO COUNTY, NEW YORK
Note: No alteration permitted hereon except as provided under Section 7209 Subdivision 2 of the New York State Education Law.

PROJECT No.: 2015003
FILE NAME: BCP APP. FIGURE1
SCALE: AS NOTED
DATE: NOV. 2016
ENG'D BY: DKM
DRAWN BY: JMD
CHECKED BY: DRV



REF.: USGS - GENEVA NORTH (NY) QUAD., 2013, 7.5 MIN. SCALE: 1"=2000'

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**PLUMLEY
ENGINEERING**

Civil and Environmental Engineering

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TELEPHONE: (315) 638-9587
FAX: (315) 638-9740
WWW.PLUMLEYENG.COM

PROJECT:

FORMER GENEVA FOUNDRY SITE

DWG. TITLE:

ROUTE TO HOSPITAL

CLIENT:

CITY OF GENEVA

LOCATION:

CITY OF GENEVA, ONTARIO COUNTY, NEW YORK

Note: No alteration permitted hereon except as provided under Section 7209 Subdivision 2 of the New York State Education Law.

PROJECT No.: 2015003

FILE NAME.: **Figure2**

SCALE: AS NOTED

DATE: MAY 2017

ENG'D BY: DKM

DRAWN BY: JJJ

CHECKED BY: DKM

TABLE

FORMER GENEVA FOUNDRY SITE
Jackson Street
City of Geneva, Ontario County, New York
BCP Site No. C835027

TABLE 1 - HEALTH AND SAFETY DATA FOR SELECTED CONTAMINANTS OF CONCERN

Contaminant	CAS Number	Ionization Potential (eV)	Odor Threshold (ppm)	PEL 8 hour (ppm)	PEL 15 minute (ppm)	TLV/ TWA (ppm)	STEL (ppm)	Flammable	Explosive Limits	
									LEL	UEL
Chromium	7440-47-3	11.00	390	350	NA	350	450	No	NA	NA
Lead	7439-92-1	NA	NA	100	NA	100	NA	Yes	NA	NA
Mercury	7439-97-6	9.24	NA	1	5	0.1	1	Yes	1.2%	7.8%
Benzo(a)anthracene	56-55-3	9.07	NA	75	NA	NA	NA	Yes	1.3%	9.6%
Benzo(a)pyrene	50-32-8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205-99-2	8.76	NA	100	NA	100	125	Yes	0.8%	6.7%

Notes:

eV electron volts
ppm parts per million
NA Not applicable

ATTACHMENTS

ATTACHMENT A
DEC BCP Site No. C835027
AUTHORIZED PERSONNEL

I have read, understand and by signing, agree to comply with the provisions contained in the health and safety plan for this site.

	Name	Representing	Signature	Date
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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10.				
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21.				
22.				
23.				
24.				
25.				

ATTACHMENT B
DEC BCP Site No. C835027
DAILY WORK ZONE AIR MONITORING LOG SHEET

Job: _____ Date: _____ Start Time: _____

Monitoring Personnel: _____

Instruments (circle): PID: _____ HNU LEL Draeger Tubes Other _____

Weather Conditions

Temperature: _____ Sky (circle): Clear P. Cloudy Cloudy Overcast

Wind Speed (approx.): _____ Wind Direction: _____ Precipitation: _____

TIME	PID/LEL READINGS	WORK ZONE	COMMENTS (activities, changes in wind direction, temperature, etc.)

Monitoring Performed By: _____

Were Respirators Worn: Yes No

How Long? _____ Who? _____

Why? _____