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 I F: (585) 226-8139
www.dec.ny.gov

January 05, 2024

Dr. Mark C. Humbert
Wayne County Regional Land Bank
16 William Street
Lyons, NY 14489

Re: Indoor Air Sampling Report
Former Rando Machine Corporation, 859014
Town of Macedon, Wayne County, New York

Dr. Humbert,

The New York State Department of Environmental Conservation – Division of Environmental Remediation (NYSDEC-DER) and New York State Department of Health – Bureau of Environmental Exposure Investigation (NYSDOH-BEEI), collectively referred to as the Departments, have completed their review of the revised Indoor Air Sampling Report (IASR) signed on November 29, 2023, prepared by Stantec Consulting Services, Inc.

In the Summary and Conclusion section of the IASR, the report recommends that following completion of any planned renovations to the roof or other structures that could change the building airflow conditions, a subsequent confirmatory indoor air sampling event should occur. The Departments agree with this conclusion. Indoor air results should be validated with supplemental testing following the completion of building improvements.

As a reminder the Site Management Plan must be adhered to during all planned renovation activities. Breaches of the cover system, including the slab, must be communicated to the Departments in accordance with the Excavation Work Plan.

In accordance with Title 6 of the New York Codes, Rules, and Regulations (NYCRR) part 375-1.6, the Departments have determined that the IASR substantially addresses the requirements of the State Superfund Program, and the report is hereby **approved**.

Please contact me at Joshuah.Klier@dec.ny.gov or at (585) 226-5357 to discuss any questions or concerns regarding this letter.

Sincerely,

Joshuah J. Klier

Joshuah J. Klier, G.I.T.
Assistant Geologist | Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
Region 8 Hazardous Waste Remediation

NEW YORK STATE | Department of Environmental Conservation

ec: Kaleigh Flynn, Wayne County Regional Land Bank
Dwight Harrienger, Stantec Consulting Services
Amanda Matkosky, Stantec Consulting Services
J. Matthew Parrinello, Mustard Street Management, LLC.
David Pratt, NYSDEC-DER
Adam Morgan, NYSDEC-DER
Michael Murphy, NYSDEC-OGC
Mark Sergott, NYSDOH-BEEI
Justin Deming, NYSDOH-BEEI

Indoor Air Sampling Report
1071 NY-31, Macedon, New York (Former Rando Machine Corporation Site)

NYSDEC Site #859014

1071 NY-31

Town of Macedon

Wayne County, New York

November 29, 2023

Prepared for:

New York State Department
of Environmental Conservation
625 Broadway, 12th Floor
Albany, New York 12233

Prepared on Behalf of:

Wayne County Regional
Land Bank Corporation
16 Williams Street
Lyons, New York 14489

Prepared by:

Stantec Consulting Services Inc.
61 Commercial Street, Suite 100
Rochester, New York 14614

Certification

I, Dwight Harrienger, of Stantec Consulting Services Inc., certify that I am currently a New York State-registered professional engineer and that this ***Indoor Air Sampling Report, 1071 NY-31, Macedon, New York (Former Rando Machine Corporation)*** was prepared in general accordance with applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that the described activities were performed in accordance with the DEC-approved work plan and any DEC-approved modifications.

Signature

11/29/2023
Date

Table of Contents

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

Abbreviations

ASP	Analytical Services Protocol
CCR	Construction Completion Letter Report
COC	Contaminant of Concern
DER	Division of Environmental Remediation
EDD	Electronic Data Deliverable
EIMS	Environmental Information Management System
ELAP	Environmental Laboratory Approval Program
FS	Feasibility Study
IA	Indoor Air
IAWP	Indoor Air Work Plan
M&M Plan	Maintenance and Monitoring Plan
MT	Mitigation Tech
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCE	Tetrachloroethene or Tetrachloroethylene
PID	Photoionization detector
ppm	Parts per million
PRAP	Proposed Remedial Action Plan
PRP	Potentially Responsible Party
QC	Quality Control
Rando	Rando Machine Corporation
RI	Remedial Investigation
ROD	Record of Decision
SCG	Standards, Criteria, and Guidance
SMP	Site Management Plan
SSD	Sub-slab Depressurization
Stantec	Stantec Consulting Services Inc.
SVI	Soil Vapor Intrusion
TCA	1,1,1-Trichloroethane
TCE	Trichloroethene or Trichloroethylene
USEPA	United States Environmental Protection Agency
VOC	Volatile organic compound
WCRLB	Wayne County Regional Land Bank

1.0 INTRODUCTION AND BACKGROUND

On behalf of the Wayne County Regional Land Bank (WCRLB), Stantec Consulting Services Inc. (Stantec) has prepared this Indoor Air (IA) Sampling Report (hereinafter referred to as the "Report") for the Former Rando Machine Corporation site located at 1071 New York State Route 31 in the Town of Macedon, Wayne County, New York (hereinafter referred to as the "Site"; see location in Figure 1). This Report is being submitted to the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) for review prior to planned occupancy of the Site, which is designated as NYSDEC site #859014. The IA sampling program described in this Report fulfills a site-specific engineering requirement in the NYSDEC-approved 2022 Site Management Plan (SMP), which states that the indoor air must be sampled after the Sub Slab Depressurization (SSD) system has been running for a minimum of 30 days before the building can be occupied.

In May 2023, Mitigation Tech (MT) restored power to the Site's existing SSD system. MT performed an inspection and routine maintenance of the SSD system on June 1, 2 and 5, 2023, and issued a report certifying that the SSD system is effective and in compliance with current *Final Guidance for Evaluating Soil Vapor Intrusion (SVI) in the State of New York* ("*NYSDOH SVI Guidance*"; NYSDOH, 2006) on June 6, 2023.. The Inspection Report issued by MT is available as Appendix A.

Stantec prepared and submitted an Indoor Sampling Work Plan to NYSDEC and NYSDOH on August 28, 2023 revised September 12, 2023, and was accepted by both agencies on September 18, 2023. On September 28, 2023, prior to sampling, Stantec inspected the condition of the structure to evaluate visible conditions that may impact IA sampling, including the condition of the slab, window and door seals, and the structural integrity of the roof, walls, or foundation. The results of this inspection were shared with NYSDEC in a letter report dated October 4, 2023, which is available as Appendix B. Apparent deficiencies in the overall condition of the roof were observed but were found to have little impact on the behavior of indoor air patterns.

On October 13, 2023, IA sampling occurred after obtaining written permission from the Client. The SSD system appeared to be active while sampling occurred and are expected to remain active as the building is prepared for occupancy. The IA sampling program was performed in accordance with the approved Indoor Air Work Plan (IAWP), dated September 12, 2023 (approved September 18, 2023), and followed guidance provided in *NYSDOH SVI Guidance*.

1.1 SITE AND STUDY AREA DESCRIPTION

The Former Rando Machine Corporation (Rando) Site is located at 1071 NY-31 in the Town of Macedon, Wayne County, New York. A Site Location Map is presented on Figure 1. A figure showing the Site boundaries is provided in Figure 2.

The Site has a total area of 5.01 acres and is located in a 60-acre industrial park known as The Commons. The Site is occupied by a 35,000 square foot brick, concrete and steel industrial structure built in 1975 that was previously used for manufacturing industrial machines. Minor improvements were made to the structure between 1975 and 1977, including a 1,000 square foot loading dock, but these improvements do not appear to have involved the extension or modification of the slab.

The structure contains one floor that is broadly subdivided into areas designated for production/manufacturing, laboratory space, and office space. An at-grade concrete slab underlies all interior areas except for a small, rectangular recessed area along the west wall of the production/manufacturing floor, referred to as “Pit/Cistern, Not Usable Floor Space” on SSD system installation drawings (Figure 3). The Pit/Cistern floor is approximately 8-10 feet below the concrete floor and is covered by metal plates. A spiral staircase provides means of ingress and egress. The remainder of the Site is a combination of pavement and grass areas.

Rando operated this industrial and manufacturing facility from approximately 1975 through September 2019. The facility manufactured and assembled machines, products were cleaned, painted, packaged, and shipped from the facility. The cleaning and painting process utilized the chlorinated solvent 1,1,1-Trichloroethane (TCA), a chlorinated volatile organic compound (VOC). Between the time that operations began and the mid-1980s, floor drains from the TCA storage area reportedly drained into a buried container, called a dry crock, located immediately outside the northeast corner of the building. During past site operations, the contents of the dry crock were reportedly disposed of off-site.

The Site is bounded to the north by Penta-Tech Coated Products located at 1610 Commons Parkway. The Site is bounded to the south by commercial properties located at 1116 NY-31 and 1090 NY-31. The Site is bounded to the west by commercial properties located at 1059 NY-30 and 1607 Commercial Parkway. The Site is bounded to the east by agricultural farmland. A regulated Class III wetland is located approximately 0.25 miles north of the Site. The Erie Barge Canal is located approximately one mile north of the Site. Historically, the groundwater flow direction has been determined to be towards the north-northeast.

1.2 PREVIOUS INVESTIGATIONS

Environmental investigations were first conducted at the Site after the NYSDOH found TCA in the Village of Macedon water supply wells in 1986. The NYSDEC conducted a preliminary investigation in 1987 and identified Rando as a potentially responsible party (PRP). Rando conducted a soil vapor survey in 1988 and a subsurface investigation in 1989, which identified the dry crock as the source of the TCA plume that extended eastward from the Site towards the Village’s supply water wells. Rando conducted a voluntary source removal with oversight by the NYSDEC in 1989. The source area did not indicate any residual soil contamination following the soil excavation activities around the dry crock.

The results of these investigations were used as the basis for a remedial investigation (RI), which started in 1991. Rando’s use of TCA in the cleaning and painting process and collection of drainage in a dry

crock at the northeast corner of the Site building, appeared to be the root cause of the groundwater contamination at the Site. RI field investigations continued through 1993 and confirmed that the dry crock was the source of the TCA contamination.

The source area is located in the central portion of the Site, immediately outside the northeast corner of the building. The RI also determined that the VOC groundwater plume extended beyond the Site's eastern boundary and migrated towards the Village of Macedon wellfield.

A Feasibility Study (FS) was completed and approved, and a Proposed Remedial Action Plan (PRAP) was issued by the NYSDEC in 1995. Based on the Village of Macedon's decision to permanently discontinue the use of groundwater for a source of public water, Rando submitted an FS Addendum in 1996. The NYSDEC performed additional groundwater sampling in January of 1997, which showed groundwater contaminant levels had decreased. The Record of Decision (ROD) was subsequently issued by the NYSDEC in March 1998.

The NYSDEC selected Alternative 1 (no further action) as the remedy for the Site as presented in the 1998 ROD. As part of Alternative 1, periodic groundwater monitoring (semi-annual for five years and annual thereafter) would be conducted from selected groundwater monitoring wells. In addition, the remedy required administrative controls be placed on the Site property to restrict public access to contaminated groundwater.

A Maintenance and Monitoring Plan (M&M Plan) was prepared for the Site in July 1999. A Declarations of Covenants and Restrictions to restrict public access to contaminated groundwater was filed with Wayne County on December 23, 2009.

On April 1, 2013, an SSD system was installed beneath and encompassing the footprint of the building as outlined in Mitigation Tech's May 20, 2013, construction completion letter report (CCR). Based on a review of select correspondence between NYSDEC and Rando, it appears the SSD system was installed in lieu of evaluating the Site in accordance with NYSDOH SVI Guidance.

1.3 PROJECT OBJECTIVES

The primary objective of the Indoor Air sampling program described in this Report was to confirm the effectiveness of the SSD system by evaluating current levels of volatile chemicals in the interior air. A total of four locations throughout the subject building were selected for collection and evaluation of indoor air. The selection factors included (1) proximity to subsurface sources of contamination; (2) historic and/or anticipated uses of building areas; (3) building construction details.

In addition, one upwind outdoor air sample was collected, intended to represent background concentrations of volatile chemicals in the air. The outdoor air sample was placed upwind with respect to the direction of local prevailing winds at the time of sampling. Potential obstructions such as topographic

or surface features, nearby structures and trees, and proximity to roadways, were considered before selecting an appropriate sample collection area.

2.0 INDOOR AIR SAMPLING AND RELATED ACTIVITES

This section of the Report presents a description of the investigative activities performed, methods used, and procedures followed during the indoor air sampling program. The indoor air sampling and related activities described below were performed in general accordance with the approved IAWP and the *NYSDOH SVI Guidance*.

The pre-sampling building condition inspection occurred on September 28, 2023 following approval of the IAWP on September 18, 2023. The inspection procedure included a provision for documenting occurrences of chemical products stored within the building; however, no such products were observed.

Sampling took place on October 13, 2023 and occurred over an 8-hr period. Prior to establishing indoor air collection points, the interior of the building was briefly inspected to confirm that no significant changes to the building's condition had occurred in the approximately 2 weeks since the initial inspection. Stantec obtained permission from the Client and the prospective property buyer prior to each mobilization to the Site.

The locations for the October 2023 indoor air sampling are identified on Figure 3 and described in Table 2.

2.1 PRE-SAMPLING INSPECTION AND CHEMICAL INVENTORY

On September 28, 2023, Stantec evaluated the general condition of the subject building to determine if sampling would be feasible given structural deficiencies, particularly in the roof, that were noted previously. The building inspection was conducted in response to NYDEC's August 28, 2023 conditional approval of the IAWP, which stated: "If any deficiencies are observed during the pre-sampling inspection, they should be corrected before proceeding with indoor air testing."

The purpose of the inspection was to evaluate visible conditions that may impact IA sampling such as the condition of the walls, foundation, roof, and window and door seals, and the presence of chemical products. The building slab was visually inspected for evidence of modifications, deep cracks, cuts, depressions and deterioration of joint seals. The behavior of indoor air was evaluated qualitatively using irritant smoke generators.

The building was determined to be in a condition suitable to conduct IA sampling. The roof above the main production area, particularly in the "Assembly Shop" area, was observed to be in poor condition due to water damage. Openings in the roof were observed ranging in size from 2 – 3.5 feet. However, based on the behavior of irritant smoke near these openings, deficiencies in the roof were found to have little demonstrable effect on air flow within the subject building. Draftiness throughout the main production area, originating from several large bay doors, reflects the building's age and construction, rather than a critical structural defect, and is considered a normal operating condition of a large, open-floored industrial

building. Other deficiencies observed during the inspection, although potentially concerning from the standpoint of human health (ex. mold and mildew) are not considered potential impediments to IA sampling.

Cracks in the floor slab up to 0.5-inches wide were observed throughout the main production area. The cracks are millimeters to 2 centimeters in depth. Divots up to 2-ft. in diameter and 2-in. deep were observed in the main production area. The floor defects observed during the inspection do not appear to penetrate the full thickness of the concrete, and are not considered potential impediments to the effectiveness of the cover system.

In addition, the chemical inventory yielded no instances of chemical products or other VOC producing items stored onsite, and Photoionization Detector (PID) VOC readings remained at 0.0 parts per million (ppm) throughout the duration of the inspection. The full building inspection was shared in a letter to NYSDEC dated October 3, 2023 and is presented as Appendix B.

Given the results of the inspection, Stantec proceeded with IA sampling according to the Departments-approved IAWP.

On October 13, 2023, a similar inspection occurred prior IA sampling event, with the intention of confirming that no major changes to the condition of the building had occurred since the initial inspection. The results of this inspection were documented on a NYSDOH Indoor Air Quality Questionnaire and Building Inventory form, which is presented as Appendix C.

2.2 INDOOR AIR SAMPLING AND RELATED TASKS

IA sampling was performed on October 13, 2023 and included the collection of IA samples at four (4) locations throughout the subject building, and one (1) upwind outdoor air sample, representative of the atmospheric background, for laboratory analysis. On the day of sampling, indoor and outdoor PID readings remained at 0.0 ppm. Calm, westerly winds up to 5 mph were observed throughout the day with temperatures ranging 37-47°F and no precipitation.

The indoor/outdoor air samples were collected concurrently in 6L batch-certified Summa® canisters affixed with a regulator to collect samples over an 8-hour period. The canister inlets for both indoor and outdoor air were placed at breathing height, approximately 3-5 feet above grade/ground surface (NYSDOH, 2006). At 2-hour intervals, pressure readings were obtained, and the rate of intake was recalculated to ensure vacuum depressurization remained at a pace commensurate with 8-hour sampling. Regulators were closed with ample vacuum pressure (typically ≥ -4 in Hg) to prevent reversal of flow direction. Samples were returned to ALS Environmental in Simi Valley, CA under proper Chain of Custody procedures.

The sampling log is included in Appendix D. The quality control (QC) batch certification for Summa canisters used in the collection of indoor/outdoor air (Can IDs AS02319, AS01302, AS01718, AS01626 and AS01010) is provided on page 213 of the laboratory report, which is presented as Appendix E.

The IA sample locations depicted on Figure 3 are identical to those identified in the IAWP with the exception of one location, identified as IA-Rando-2, which moved approximately 20-ft west of its proposed location to the enclosed “Locker Room” area, where the sample could be shielded from a gentle draft emanating from a nearby bay door. This location was thought to be more representative of conditions within the main production area where chlorinated solvents were potentially used, than the proposed location. Sampling locations were approximately identified based on field observations relative to fixed interior features (e.g. walls, stairs, etc.). The outdoor/background sample location was selected to capture potential background contaminants blowing in the from the west. Field staff selected a flat, open, grassy area approximately 75-ft. west of the subject building, and 25-ft. east of Commons Parkway.

Photographs of each sample location obtained for internal documentation purposes are available for review upon request.

3.0 ANALYTICAL PROGRAM

3.1 OVERVIEW

A total of five (5) samples were submitted to ALS Environmental in Simi Valley, CA for analysis of 62 VOC compounds by United States Environmental Protection Agency (USEPA) Method TO-15. ALS Environmental is a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory.

An analytical summary table was prepared to summarize the data for comparison to New York State Standards, Criteria, and Guidance values (SCGs) presented in the *NYSDOH SVI Guidance* with updates as noted on the Soil Vapor Intrusion Updates webpage (NYSDOH, 2013; NYSDOH, 2015; and NYSDOH, 2017). The following SCGs are applicable to this Report:

> Adapted from Table 3.1 of the NYSDOH SVI Guidance (2006), Ambient Air Guidelines for Trichloroethylene (TCE), Tetrachloroethylene (PCE) and methylene chloride, as follows:

Compound	**Guideline Value (µg/m^3)**	**Immediate Action Level (µg/m^3)**	**Revision Date**
TCE	2	20	August 2015
PCE	30	300	September 2013
methylene chloride	60	n/a	n/a

Note that NYSDOH SVI Guidance Table 3.1 does not contain air guidance values for the Contaminants of Concern (COCs) identified at the Site, which includes TCA, chloroethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene and 1,4 Dioxane. While TCA is the primary COC, concentrations of additional chlorinated compounds were considered given the Site history.

Laboratory analytical reports were prepared in accordance with the NYSDEC Analytical Services Protocol (ASP) Category B requirements. Sample analytical data was uploaded to NYSDEC's Environmental Information Management System (EIMS) in the appropriate EQuIS Electronic Data Deliverable (EDD) format, in accordance with NYSDEC's EDD manual (NYSDEC, 2018).

3.2 ANALYTICAL RESULTS

The analytical results for the October 13, 2023 sampling are summarized in Table 1. The analytical laboratory report is presented in Appendix E.

TCE or PCE were not detected in outdoor/indoor samples above laboratory reporting limits. Methylene chloride was detected in each indoor sample at estimated concentrations ranging from 0.22 to 0.27 µg/m^3. These detections are well below the NYSDOH Air Guidance Value of 60 µg/m^3 for methylene chloride. Furthermore, the concentration of methylene chloride in the outdoor/background sample (an

estimated 0.30 µg/m^3) is similar to the concentrations reported for the indoor samples, implying an outside source.

Low levels (< 1 µg/m^3) of TCA were detected in three (3) IA samples (IA-RANDO-1, IA-RANDO-2, IA-RANDO-3) at estimated concentrations of 0.21 µg/m^3, 0.11 µg/m^3, 0.11 µg/m^3, respectively. NYSDOH reports that TCA levels in the indoor air of occupied homes and offices are typically around 3.0 µg/m3; the concentrations reported in the IA samples are lower by an order of magnitude, measured just above the laboratory reporting limit.

Low levels (< 1 µg/m^3) of 1,4-Dioxane were detected in three (3) IA samples (IA-RANDO-1, IA-RANDO-2, IA-RANDO-3) at estimated concentrations of 0.58 µg/m^3, 0.16 µg/m^3, 0.18 µg/m^3, respectively. 1,4-Dioxane is an emerging contaminant for which no guideline values exist. The concentration reported for 1,4-Dioxane in the outdoor sample was an estimated 0.24 µg/m^3, which exceeds the concentrations reported for IA-RANDO-2 (0.16 µg/m^3) and IA-RANDO-3 (0.18 µg/m^3). The concentration of 1,4-Dioxane in IA-RANDO-1 (0.58 µg/m^3), collected in the contaminant source area (near the former “dry crock”), was slightly elevated compared to the outdoor sample.

Chloroethane was not detected in IA samples above laboratory reporting limits. However, chloroethane was reported in the outdoor sample at a concentration of 2.4 µg/m^3, possibly related to upwind (offsite) industrial activities.

Remaining site COCs 1,1-Dichloroethane, 1,2-Dichloroethane and 1,1-Dichloroethene were not detected in samples above laboratory reporting limits.

Several low-level concentrations of other VOCs were detected in IA/outdoor samples. The concentrations of those compounds are generally low (near the laboratory reporting limit) and assumed to be associated with outdoor sources (e.g. vehicle exhaust, nearby non-residential property uses, etc.).

4.0 SUMMARY AND CONCLUSION

Based on the results of the October 13, 2023 IA sampling, no further action regarding monitoring or mitigating potential soil-vapor intrusion is warranted with the current building conditions. Concentrations of VOC compounds discussed in *NYSDOH SVI Guidance* are below published ambient air guideline values. Other VOC compounds, including site COCs (TCA, chloroethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene and 1,4 Dioxane) were generally low, below background concentrations, or non-detect.

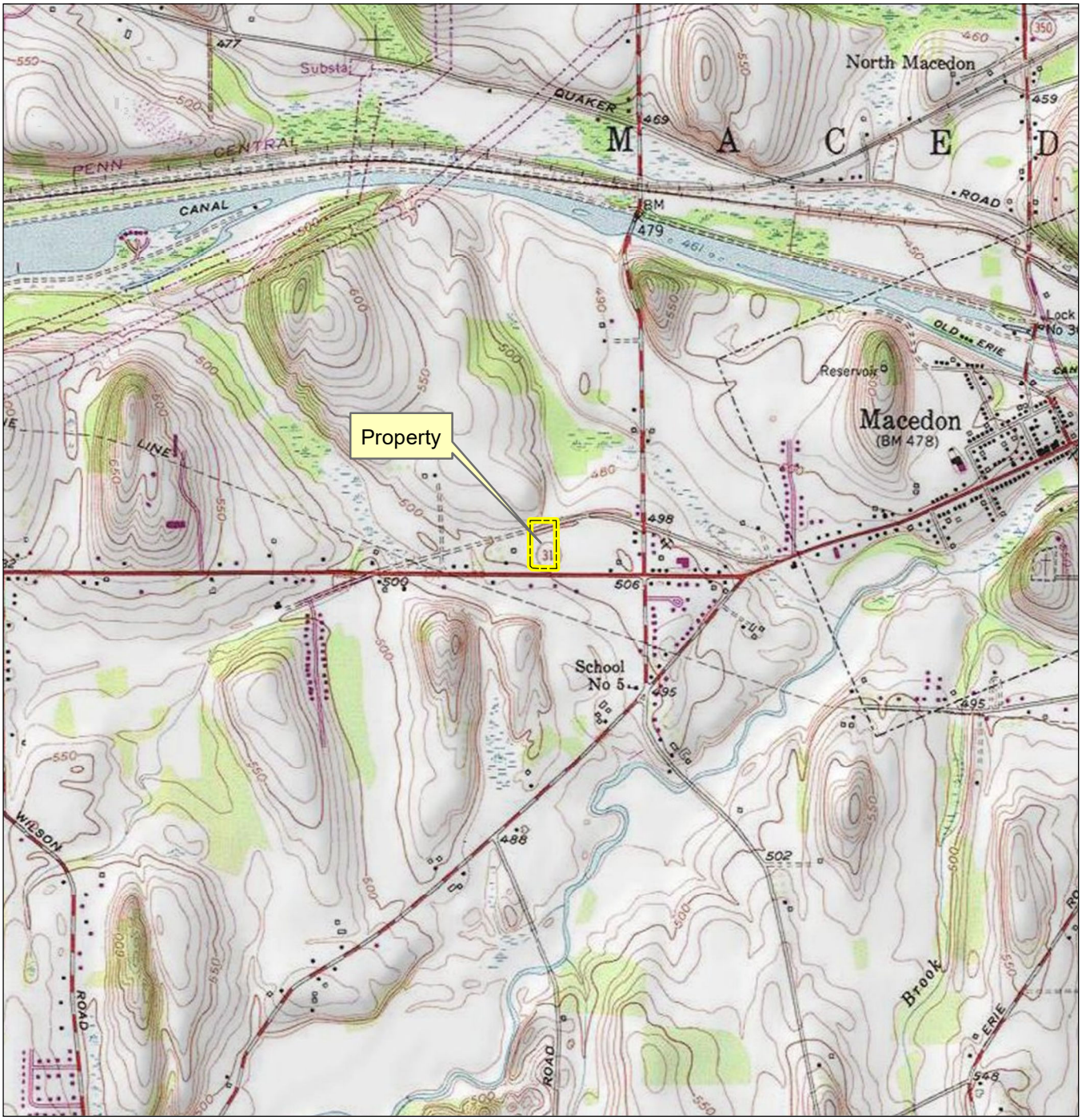
Therefore, it is our opinion that the SSD system are effective and appear to be mitigating SVI to a satisfactory degree.

If future plans for building occupancy involve repairs to the roof, windows, doors, siding, or indoor renovations that could change the building conditions and airflow conditions that were present during this sampling event, performing a follow-up IA sampling event is suggested prior to occupancy.

5.0 REFERENCES

NYSDEC, 2010	Technical Guidance for Site Investigation and Remediation (DER-10). May 3, 2010.
NYSDEC, 2018	NYSDEC Electronic Data Deliverable Manual, NYSDEC EDD Format v.4-10). November 2018.
NYSDOH, 2006	Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006.
NYSDOH, 2010	Soil Vapor Intrusion Updates, May 2010: Update on Building Questionnaires and Product Inventories. Website: https://health.ny.gov/environmental/indoors/vapor_intrusion/update.htm
NYSDOH, 2013	Soil Vapor Intrusion Updates, September 2013: New Ambient Air Guideline for Tetrachloroethene. Website: https://health.ny.gov/environmental/indoors/vapor_intrusion/update.htm
NYSDOH, 2014	Tenant Notification Fact Sheet for 1,1,1-Trichloroethane (1,1,1-TCA). Revised January 2014. Website: https://www.health.ny.gov/environmental/indoors/air/contaminants/1_1_1_tca.htm
NYSDOH, 2015	Soil Vapor Intrusion Updates, August 2015: New Ambient Air Guideline for Trichloroethene. Website: https://health.ny.gov/environmental/indoors/vapor_intrusion/update.htm
NYSDOH, 2017	Soil Vapor Intrusion Updates, May 2017: Updates to Soil Vapor/Indoor Air Decision Matrices. Website: https://health.ny.gov/environmental/indoors/vapor_intrusion/update.htm
Stantec, 2021	Phase I Environmental Site Assessment, 1071 New York State Route 31, Macedon, New York. September 22, 2021.
TRC Engineers, 2022	Site Management Plan, NYSDEC Site #859014, Rando Machine Corp., 1071 NY-31, Macedon, Wayne County, New York. December 2022.
Stantec, 2023	Pre-Indoor Air Sampling Building Condition Inspection, 1071 New York State Route 31 (Former Rando Machine Corporation Site), NYSDEC Site #659014, Macedon, Wayne County, New York. October 4, 2023.
Mitigation Tech, 2023	Inspection of Sub-slab Depressurization (SSD) System, 1071 NYS Route 31, Macedon, NY 14502 – Rando Machine. June 6, 2023.

FIGURES



Legend

Approximate Property Boundary

0 2,000 4,000 Feet

(At original document size of 8.5x11)
1:24,000

N

Notes

1. Coordinate System: NAD 1983 2011 StatePlane New York Central FIPS 3102 Ft US
2. Data Sources: NYS GIS Clearinghouse
3. Background: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Stantec

Project Location
1071 NYS Route 31
Macedon, Wayne County, New York

Prepared by PS on 2023-11-16
TR by AM on 2023-11-27
IR Review by DH on 2023-11-27

Client/Project 195602768
Indoor Air Sampling Report
Former Rando Machine Corporation Site
Wayne County Regional Land Bank

Figure No.
1

Title
Site Location Map

U:\195602768\05_report_deliv\dwgs_design\GIS_figures\mxd\Figure 1 - Site Location Map.mxd Revised: 2023-11-28 By: amatkosky

Stantec

Legend

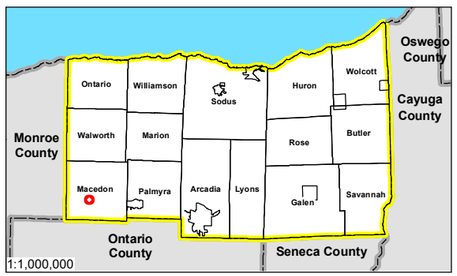
- Approximate Property Boundary
- Former Dry Crock Location
- 2019 Wayne CountyTax Parcels

0 100 200 Feet

(At original document size of 11x17)
1:1,200

Notes

1. Coordinate System: NAD 1983 UTM Zone 18N
2. Data Sources: NYS GIS Clearinghouse (see Data Sources documentation, with inventory).
3. All locations are approximate.



Project Location
1071 NYS Route 31
Macedon, New York

Prepared by PS on 2023-11-16
TR by AM on 2023-11-27
IR Review by DH on 2023-11-27

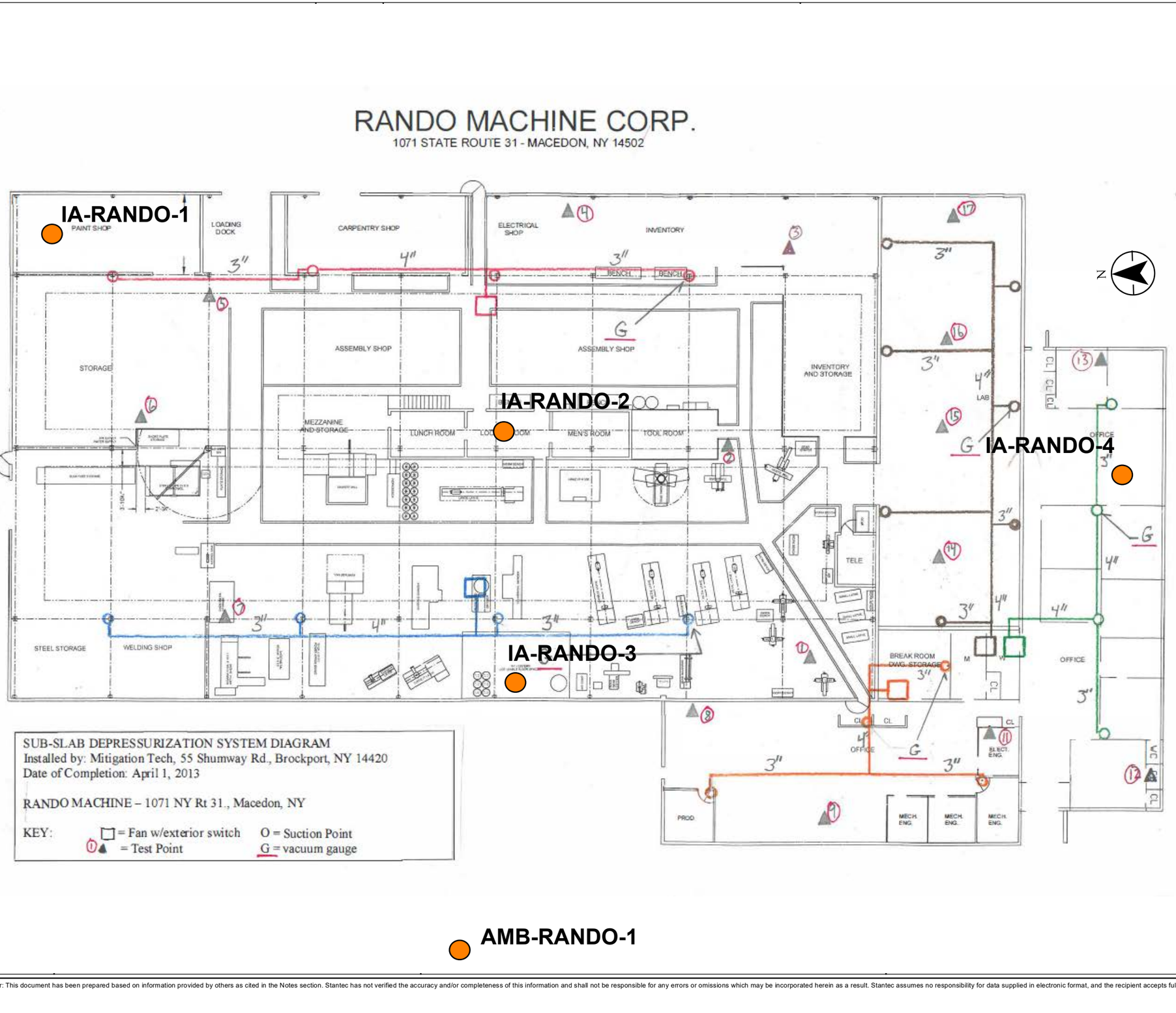
Client/Project
Indoor Air Sampling Report
Former Rando Machine Corporation Site
Wayne County Regional Land Bank

Figure No.
2

Title

Overview of Site and Surrounding Area

U:\1960602768\05_report_delivs\dwgs_design\GIS_figures\mxd\Figure 2 - Property Vicinity Map.mxd Revised: 2023-11-28 By: amatkosky



Stantec

Legend

Indoor/Outdoor Air sample location

Notes
1. Indoor/Outdoor Air sampling locations are approximate
2. Building interior schematic provided by Mitigation Tech

Project Location
1071 NYS Route 31
Macedon, New York

Prepared by PS on 2023-11-16
TR by AM on 2023-11-27
IR by DH on 2023-11-27

Client/Project
Indoor Air Sampling Report
Wayne County Regional Land Bank

Figure No.
3

Title

Overview of Air Sampling Locations/SSD System Installation Drawings

TABLES

Table 1
Summary of Air Analytical Results
Rando Machine Corporation Site
1071 NY-31, Macedon, New York 14502

Sample Location			AMB-RANDO-1	IA-RANDO-1	IA-RANDO-2	IA-RANDO-3	IA-RANDO-4
Sample Date			13-Oct-23	13-Oct-23	13-Oct-23	13-Oct-23	13-Oct-23
Sample ID			AMB-RANDO-1	IA-RANDO-1	IA-RANDO-2	IA-RANDO-3	IA-RANDO-4
Sampling Company		NYSDOH	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory		Air	ALS	ALS	ALS	ALS	ALS
Laboratory Work Order		Guideline	P2304974	P2304974	P2304974	P2304974	P2304974
Laboratory Sample ID	Units	Values	P2304974-005	P2304974-001	P2304974-002	P2304974-003	P2304974-004
Volatile Organic Compounds							
Acetone	µg/m3	- -	**4.2 J**	**3.8 J**	**4.4 J**	**5.2 J**	**3.8 J**
Benzene	µg/m3	- -	**0.37 J**	**0.43 J**	**0.41 J**	**0.43 J**	**0.45 J**
Benzyl Chloride	µg/m3	- -	U (0.18)	U (0.16)	U (0.18)	U (0.17)	U (0.17)
Bromodichloromethane	µg/m3	- -	U (0.11)	U (0.10)	U (0.11)	U (0.11)	U (0.11)
Bromoform (Tribromomethane)	µg/m3	- -	U (0.16)	U (0.15)	U (0.16)	U (0.16)	U (0.15)
Bromomethane (Methyl bromide)	µg/m3	- -	U (0.11)	U (0.098)	U (0.11)	U (0.11)	U (0.10)
Butadiene, 1,3-	µg/m3	- -	U (0.13)	U (0.12)	U (0.13)	U (0.13)	U (0.12)
Carbon Disulfide	µg/m3	- -	**0.41 J**	**0.42 J**	**0.32 J**	**0.97 J**	U (0.22)
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	- -	**0.44 J**	**0.43 J**	**0.42 J**	**0.42 J**	**0.45 J**
Chlorobenzene (Monochlorobenzene)	µg/m3	- -	U (0.10)	U (0.094)	U (0.10)	U (0.10)	U (0.099)
Chloroethane (Ethyl Chloride)	µg/m3	- -	**2.4**	U (0.087)	U (0.097)	U (0.094)	U (0.092)
Chloroform (Trichloromethane)	µg/m3	- -	U (0.10)	**0.11 J**	**0.14 J**	**0.14 J**	**0.11 J**
Chloromethane	µg/m3	- -	**8.4 J V**	**0.33 J V**	**0.28 J V**	**0.31 J V**	**0.27 J V**
Cyclohexane	µg/m3	- -	U (0.22)	U (0.20)	U (0.22)	U (0.21)	U (0.21)
Dibromochloromethane	µg/m3	- -	U (0.10)	U (0.092)	U (0.10)	U (0.10)	U (0.097)
Dichlorobenzene, 1,2-	µg/m3	- -	U (0.12)	U (0.10)	U (0.12)	U (0.11)	U (0.11)
Dichlorobenzene, 1,3-	µg/m3	- -	U (0.12)	U (0.11)	U (0.12)	U (0.11)	U (0.11)
Dichlorobenzene, 1,4-	µg/m3	- -	U (0.12)	U (0.11)	U (0.12)	U (0.12)	U (0.11)
Dichlorodifluoromethane (Freon 12)	µg/m3	- -	**2.3**	**3.5**	**4.0**	**3.1**	**2.6**
Dichloroethane, 1,1-	µg/m3	- -	U (0.11)	U (0.10)	U (0.11)	U (0.11)	U (0.11)
Dichloroethane, 1,2-	µg/m3	- -	U (0.087)	U (0.078)	U (0.087)	U (0.084)	U (0.082)
Dichloroethene, 1,1-	µg/m3	- -	U (0.11)	U (0.098)	U (0.11)	U (0.11)	U (0.10)
Dichloroethene, cis-1,2-	µg/m3	- -	U (0.11)	U (0.099)	U (0.11)	U (0.11)	U (0.10)
Dichloroethene, trans-1,2-	µg/m3	- -	U (0.11)	U (0.098)	U (0.11)	U (0.11)	U (0.10)
Dichloropropane, 1,2-	µg/m3	- -	U (0.097)	U (0.087)	U (0.097)	U (0.094)	U (0.092)
Dichloropropene, cis-1,3-	µg/m3	- -	U (0.12)	U (0.11)	U (0.12)	U (0.12)	U (0.12)
Dichloropropene, trans-1,3-	µg/m3	- -	U (0.16)	U (0.15)	U (0.16)	U (0.16)	U (0.15)
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	- -	U (0.12)	**0.11 J**	**0.12 J**	**0.13 J**	**0.12 J**
Dioxane, 1,4-	µg/m3	- -	**0.24 J**	**0.58 J**	**0.16 J**	**0.18 J**	U (0.088)
Ethyl Acetate	µg/m3	- -	**4.1**	**4.9**	**4.4**	**6.3**	**4.9**
Ethylbenzene	µg/m3	- -	U (0.11)	**0.23 J**	**0.16 J**	**0.15 J**	**0.54 J**
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	- -	U (0.091)	U (0.082)	U (0.091)	U (0.089)	U (0.086)
Ethyltoluene, 4-	µg/m3	- -	U (0.12)	U (0.11)	U (0.12)	U (0.12)	U (0.12)
Heptane (C7)	µg/m3	- -	**0.16 J**	**0.26 J**	**0.23 J**	**0.23 J**	U (0.12)
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	- -	U (0.16)	U (0.15)	U (0.16)	U (0.16)	U (0.15)
Hexane (n-Hexane)	µg/m3	- -	U (0.16)	**0.22 J**	**0.23 J**	**0.24 J**	**0.17 J**
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	- -	U (0.097)	**0.091 J**	U (0.097)	U (0.094)	U (0.092)
Isopropyl Alcohol (2-Propanol)	µg/m3	- -	**0.43 J**	**0.40 J**	**0.48 J**	**0.62 J**	**0.93 J**
Isopropylbenzene	µg/m3	- -	U (0.11)	U (0.10)	U (0.11)	U (0.11)	**0.30 J**
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	- -	**0.40 J**	**0.43 J**	**0.39 J**	**0.52 J**	**0.37 J**
Methyl Isobutyl Ketone (MIBK)	µg/m3	- -	U (0.11)	**0.11 J**	U (0.11)	U (0.10)	U (0.10)
Methyl tert-butyl ether (MTBE)	µg/m3	- -	U (0.093)	U (0.083)	U (0.093)	U (0.090)	U (0.088)
Methylene Chloride (Dichloromethane)	µg/m3	60	**0.30 J**	**0.22 J**	**0.25 J**	**0.25 J**	**0.27 J**
Naphthalene	µg/m3	- -	U (0.19)	**0.61 J**	**0.65 J**	**0.65 J**	**1.5**
Propene	µg/m3	- -	U (0.19)	U (0.17)	U (0.19)	U (0.19)	U (0.18)
Styrene	µg/m3	- -	**0.39 J**	U (0.11)	U (0.13)	U (0.12)	**1.8**
Tetrachloroethane, 1,1,2,2-	µg/m3	- -	U (0.11)	U (0.098)	U (0.11)	U (0.11)	U (0.10)
Tetrachloroethene (PCE)	µg/m3	30	U (0.10)	U (0.091)	U (0.10)	U (0.099)	U (0.096)
Tetrahydrofuran	µg/m3	- -	**0.19 J**	**0.12 J**	U (0.098)	U (0.096)	U (0.093)
Toluene	µg/m3	- -	**0.44 J**	**0.89**	**0.89**	**0.84**	**0.92**
Trichlorobenzene, 1,2,4-	µg/m3	- -	U (0.19)	U (0.17)	U (0.19)	U (0.19)	U (0.18)
Trichloroethane, 1,1,1-	µg/m3	- -	U (0.097)	**0.21 J**	**0.11 J**	**0.11 J**	U (0.092)
Trichloroethane, 1,1,2-	µg/m3	- -	U (0.079)	U (0.071)	U (0.079)	U (0.077)	U (0.075)
Trichloroethene (TCE)	µg/m3	2	U (0.11)	U (0.095)	U (0.11)	U (0.10)	U (0.10)
Trichlorofluoromethane (Freon 11)	µg/m3	- -	**1.2**	**3.8**	**3.7**	**3.5**	**1.9**
Trichlorotrifluoroethane (Freon 113)	µg/m3	- -	**0.49 J**	**0.48 J**	**0.55 J**	**0.51 J**	**0.48 J**
Trimethylbenzene, 1,2,4-	µg/m3	- -	U (0.11)	**0.12 J**	**0.12 J**	U (0.11)	**0.21 J**
Trimethylbenzene, 1,3,5-	µg/m3	- -	U (0.11)	U (0.10)	U (0.11)	U (0.11)	U (0.11)
Vinyl Acetate	µg/m3	- -	U (1.8)	U (1.6)	U (1.8)	U (1.7)	U (1.7)
Vinyl Chloride	µg/m3	- -	U (0.084)	U (0.075)	U (0.084)	U (0.082)	U (0.079)
Xylene, m & p-	µg/m3	- -	U (0.21)	**0.93 J**	**0.52 J**	**0.43 J**	**0.64 J**
Xylene, o-	µg/m3	- -	U (0.11)	**0.59 J**	**0.31 J**	**0.27 J**	**0.36 J**

Notes:

NYSDOH	New York State Department of Health Center for Environmental Health Bureau of Environmental Exposure
- -	Indicates no Air Guideline Value has been established by NYSDOH for this compound.
15.2	Measured concentration did not exceed the indicated standard.
U (0.03)	Analyte was not detected at a concentration greater than the laboratory reporting limit shown in parentheses.
J	The reported result is an estimated value.
V	The continuing calibration verification standard was outside (biased high) the specified limits for this compound.
µg/m3	micrograms per cubic meter

Table 2
Summary of Indoor Air Sampling Locations
Indoor Air Sampling Report
1071 NY-31, Macedon, New York (Former Rando Machine Corporation Site)
NYSDEC Site #859014

Sample ID	Type	Area[1]	Sample location selection criteria	Description/Justification
IA-RANDO-1	Indoor	Paint Shop	Proximity to subsurface source of contamination	Closest interior space to 'dry crock', which was identified as the source of TCA plume.[2]
IA-RANDO-2	Indoor	Main production area	Historic/anticipated use of area	Main production floor where chlorinated solvents were potentially used; sample to be placed in "Locker Rooms" which is the center of large, open area where future production could occur.
IA-RANDO-3	Indoor	Recessed crawl space access area	Building construction details	Beneath concrete slab; appears to be the lowest level accessible.
IA-RANDO-4	Indoor	Offices	Historic/anticipated use of area	Office space, separated from the main production area by a doorway, where building occupants could be for a prolonged period of time.
AMB-RANDO-1	Outdoor	Grassy area west of building	Upwind of subject building	Representative of background concentrations of volatile chemicals in the air; placed west of subject building to intercept westerly prevailing winds.

Notes:
1. Refer to Figure 3 for approximate air sampling locations
2. Refer to Figure 2 for location of dry crock

Abbreviation:
TCA 1,1,1-Trichloroethane

APPENDIX A

Mitigation Tech Sub-slab Depressurization (SSD) System Inspection Report

mitigation tech *vapor intrusion specialists*

I N S P E C T I O N R E P O R T

June 6, 2023

Mr. Mark Humbert
Executive Director
Wayne County Land Bank
16 William Street, Lyons, NY 14489
Via email: Mark Humbert mhumbert@wclandbank.org,
Cell: 315-946-5495 [Kaleigh]

Re: 1071 NYS Route 31, Macedon, NY 14502 - Rando Machine
Inspection of Sub-slab Depressurization (SSD) Systems

On June 1,2 & 5, 2023, we visited this location to perform Inspection and Routine Maintenance of the installed SSD systems in order to determine condition and certify system effectiveness. We performed the following procedures and recorded the following observations:

.

1. Conduct a visual inspection of the complete SSD systems (e.g., vent fans, piping, vacuum gauges, etc.); **Observation : Acceptable**
2. Inspect all components for condition and proper operation; **Observation: Acceptable.**
3. Identify (and repair) any leaks in accordance with Sections 4.3.1(a) of the NYS DOH Guidance; **No leaks noted.**
4. Inspect the discharge points to verify that no air intakes have been located nearby; **Observation: No intakes.**
5. Conduct a stack pressure measurement: **Observation: Acceptable.**

Fan system	Value (water column inches)
Office	1.7
Former Display	0.9
Office Wing	6.0
East Manufacturing	1.5
West Manufacturing	1.4

6. Conduct sample pressure field extension testing at (16) original vacuum monitoring points; restore test holes with backer and urethane caulk: **Observation -Acceptable**

   Test point values: See schematic for point locations

Point	Value (negative water column inches)
1	.022
2	.046
3	.012
4	.016
5	.102
6	.032
7	.110
8	.002
9	.015
10	n/a
11	.035
12	.013
13	.011
14	.040
15	.006
16	.013
17	.024

Two vacuum gauges were replaced during the inspection. Audible loss of vacuum warning devices, although not required or installed at time of construction, are recommended under current guidance.

I certify that the installed systems are effective and in compliance with current *New York State DOH SVI Guidance,* as noted.

Thank you

Nicholas E. Mouganis EPA listing # 15415-I; NEHA ID# 100722

Attachment: "Rando Machine SSDS Schematic"

APPENDIX B

Pre-Indoor Air Sampling Building Condition Inspection Report

Stantec Consulting Services Inc.
61 Commercial Street Suite 100, Rochester NY 14614-1009

October 4, 2023
File: 213414026

Attention: Mr. Joshuah J. Klier
Division of Environmental Remediation
NYSDEC Region 8
6274 East Avon-Lima Road
Avon, NY 14414

Reference: Pre-Indoor Air Sampling Building Condition Inspection
1071 New York State Route 31 (Former Rando Machine Corporation Site)
NYSDEC Site #859014
Macedon, Wayne County, New York

Dear Mr. Klier,

This letter report describes the results of the September 28, 2023 building condition inspection of the former Rando Machine Corporation Site, located at 1071 NY-Rt.31, Macedon, Wayne County, NY. The purpose of the inspection was to evaluate visible conditions that may impact Indoor Air (IA) sampling, including the condition of the slab, window and door seals, and structural integrity of the roof, walls, or foundation.

The structure consists of 35,000 square feet of industrial and office space. Each room was inspected visually, and notes of the building's condition were recorded. The behavior of air flow patterns in the building was evaluated qualitatively using 3M VeriFit Irritant Smoke Generators. The Site is currently vacant but is being prepared for occupancy.

This work was conducted in response to NYDEC's August 28, 2023 conditional approval of Stantec's Indoor Air Sampling Work Plan (IAWP), which stated: "If any deficiencies are observed during the pre-sampling inspection, they should be corrected before proceeding with indoor air testing." We are requesting the Department accept Stantec's recommendation below to conduct the IA sampling with the current building conditions, as described in the IAWP.

Photographs documenting the condition of the building are included as **Appendix A**. A diagram of the layout of the building is included as **Appendix B**. The following items of note were identified during the inspection:

- Minor outside air infiltration from poorly sealed window in contaminant source area ("Paint Shop", nearly location of former dry crock). (Photograph ID: **1**)
- Outdoor air infiltration from large bay door in north portion of main floor, in an area designated "Storage" (see attached Building Schematic). Air near bay door is noticeably cooler due to leaky door seal. Turbulent air currents. (Photograph ID: **2**).
- The roof in the main floor is generally in poor condition due to water damage (Photograph IDs: **3-8**). 3 openings in roof through tar and corrugated metal slats ranging in size from ~2-3.5 feet were observed (Photograph IDs: **3, 6-8**). Tracer smoke behavior in the vicinity of the roof openings indicated that the air is generally stagnant, and the openings do not appear to be a major source of

Reference: **Pre-Indoor Air Sampling Building Condition Inspection**

outside air exchange. Piles of saturated, rusty metal from the roof were observed in several locations throughout the building, especially in the northeast portion of the main floor where the water damage to the roof is most severe (Photograph ID: **5**). The roof in the office area is in good condition and appears to have been repaired shortly before the building was vacated. Water damage to office roof tiles is possible evidence that the office had water issues in the past that were abated.

- Cracks in the slab up to 3" wide were observed throughout the main floor. The cracks are generally millimeters to 2 centimeters in depth (Photograph ID: **9**). 2x1 foot and 1x1 foot divots were observed in the center of main floor (Photograph ID: **11**). The slab is in fair condition otherwise. Surficial pits observed throughout (Photograph ID: **10)**. SSDS system was active at the time of inspection and appears to be functioning properly.
- Exterior door in "Lab" has defective weather stripping on the bottom.
- Strong odors of mold and mildew throughout. Mold is visible on drywall and other painted surfaces.
- Glass is intact on all exterior doors and windows. Exterior of the building is in good conditions except for roof elements. Exterior doors seals are intact except as noted above. No attempt was made to open/shut doors and windows except for building access.
- No chemical products or other potential VOC producing items were found. Building is empty except for office related items such as paper records and office supplies.
- Standing water was observed in recessed area and within subgrade drainage structure near recessed area.

(see next page for Closing and list of Attachments)

Reference: **Pre-Indoor Air Sampling Building Condition Inspection**

RECOMMENDATIONS

Stantec recommends that the IA testing receive approval to be conducted at the facility with the current building condition to allow sale of the property.

CLOSING

Should you have any questions or require additional information, please contact us.

Regards,

STANTEC CONSULTING SERVICES INC.

Patrick Suter
Environmental Scientist
Phone: 585 559-9625
Patrick.suter@stantec.com

Amanda Matkosky
Environmental Scientist
Phone: 585 285-3598
Amanda.matkosky@stantec.com

Dwight Harrienger
Senior Associate
Phone: 585 413-8740
Dwight.harrienger@stantec.com

ATTACHMENTS

Appendix A – Inspection Photographs
Appendix B – Building Layout Diagram

c. WCLB – Mark Humbert, Kaleigh Flynn

bl \\us0275-ppfss01\shared_projects\213414026\05_report_deliv\deliverables\reports\site-17_1071_nys_route_31_macedon\2023_prr\air sampling\pre-sampling inspection\let_1071.rt.31.building.inspection.report_20231003.docx

Appendix A

Inspection Photographs

Stantec

Photographic Log

Client:	**Wayne County Regional Land Bank**	**Project:**	**Pre-Indoor Air Sampling Building Inspection**
Site Name:	**Former Rando Machine Corporation (NYSDEC Site #859014)**	**Site Location:**	**1071 NY-Rt.31, Macedon, NY**

Photograph ID: 1

Photo Location:
Paint Shop (Source Area)

Direction:
N

Survey Date:
9/28/2023

Comments:
Minor outside air infiltration was observed from poorly sealed window in contaminant source area, near location of former dry crock.

Photograph ID: 2

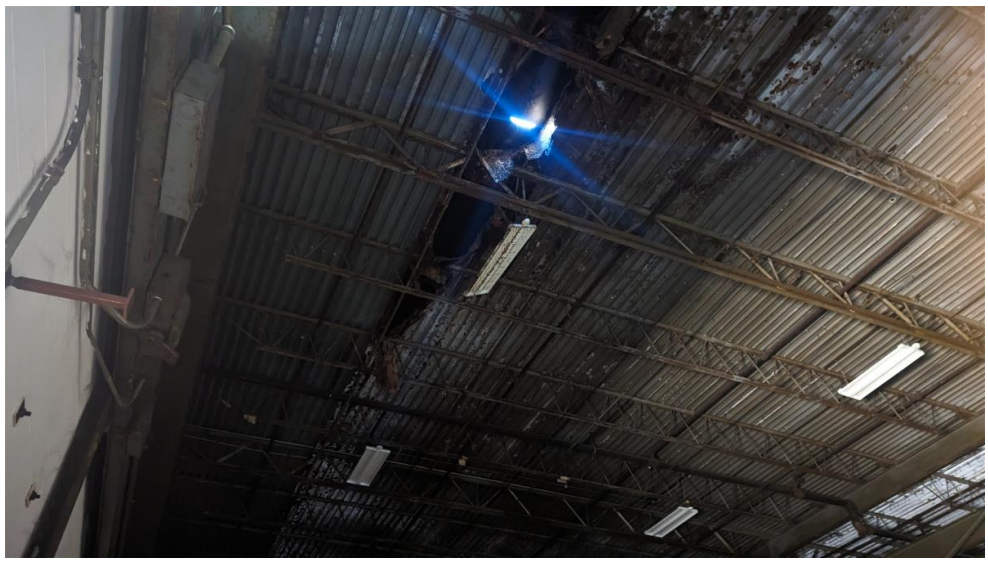
Photo Location:
Main Floor - North

Direction:
N

Survey Date:
9/28/2023

Comments:
Significant outdoor air infiltration from large, north-facing overhead door located in the north part of the main floor, designated as "Storage" on building layout map.

Client:	**Wayne County Regional Land Bank**	**Project:**	**Pre-Indoor Air Sampling Building Inspection**
Site Name:	**Former Rando Machine Corporation (NYSDEC Site #859014)**	**Site Location:**	**1071 NY-Rt.31, Macedon, NY**

Photograph ID: 3 **Photo Location:** Main Floor - Northwest corner **Direction:** n/a **Survey Date:** 9/28/2023 **Comments:** Sunlight shining through an approximately 2' opening in the roof above the the area designated "Welding Shop"	
Photograph ID: 4 **Photo Location:** Main floor - Central **Direction:** n/a **Survey Date:** 9/28/2023 **Comments:** An example of advanced stages of corrosion above "Assembly Shop" observed on numerous corrugated roof panels throughout the main product area.	

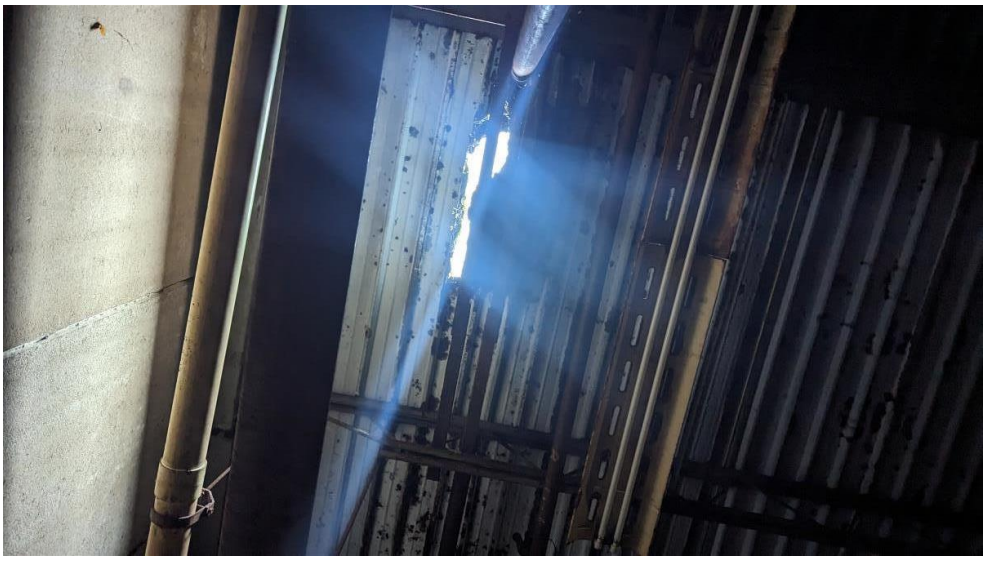
Client:	**Wayne County Regional Land Bank**	**Project:**	**Pre-Indoor Air Sampling Building Inspection**
Site Name:	**Former Rando Machine Corporation (NYSDEC Site #859014)**	**Site Location:**	**1071 NY-Rt.31, Macedon, NY**

Photograph ID: 5 **Photo Location:** Main Floor - Central **Direction:** S **Survey Date:** 9/28/2023 **Comments:** Piles of saturated, rusty metal from the roof were observed in several locations throughout the building, especially in the northeast portion of the main floor designated "Assembly Shop" where the water damage to the roof is most severe.	

Photograph ID: 6 **Photo Location:** Main Floor - Central **Direction:** n/a **Survey Date:** 9/28/2023 **Comments:** A 1 ft opening in the roof above the the area designated "Welding Shop."	

Client:	**Wayne County Regional Land Bank**	**Project:**	**Pre-Indoor Air Sampling Building Inspection**
Site Name:	**Former Rando Machine Corporation (NYSDEC Site #859014)**	**Site Location:**	**1071 NY-Rt.31, Macedon, NY**

Photograph ID: 7 **Photo Location:** Main Floor -West **Direction:** SW **Survey Date:** 9/28/2023 **Comments:** Sunlight shining through an opening in the roof illuminates the area above "Recessed sump area."	

Photograph ID: 8 **Photo Location:** Main Floor - West **Direction:** n/a **Survey Date:** 9/28/2023 **Comments:** An approximately 3.5 ft opening in the roof above the "Recessed Sump Area." Water and plant material was seen coming through the opening.	

Client:	**Wayne County Regional Land Bank**	**Project:**	**Pre-Indoor Air Sampling Building Inspection**
Site Name:	**Former Rando Machine Corporation (NYSDEC Site #859014)**	**Site Location:**	**1071 NY-Rt.31, Macedon, NY**

Photograph ID: 9 **Photo Location:** Main Floor - North **Direction:** E **Survey Date:** 9/28/2023 **Comments:** Cracks in slab up to 3-inch wide were observed throughout the main production area. The cracks are generally millimeters to up to 2 centimeters scale in depth. 2'x1'	
Photograph ID: 10 **Photo Location:** Main Floor - North **Direction:** N **Survey Date:** 9/28/2023 **Comments:** Cracks and pitting were observed sporadically throughout the main floor, but diminish in severity as one moves south of the "Storage Area"	

Client:	**Wayne County Regional Land Bank**	**Project:**	**Pre-Indoor Air Sampling Building Inspection**
Site Name:	**Former Rando Machine Corporation (NYSDEC Site #859014)**	**Site Location:**	**1071 NY-Rt.31, Macedon, NY**

Photograph ID: 11

Photo Location:
Main Floor - Central

Direction:
n/a

Survey Date:
9/28/2023

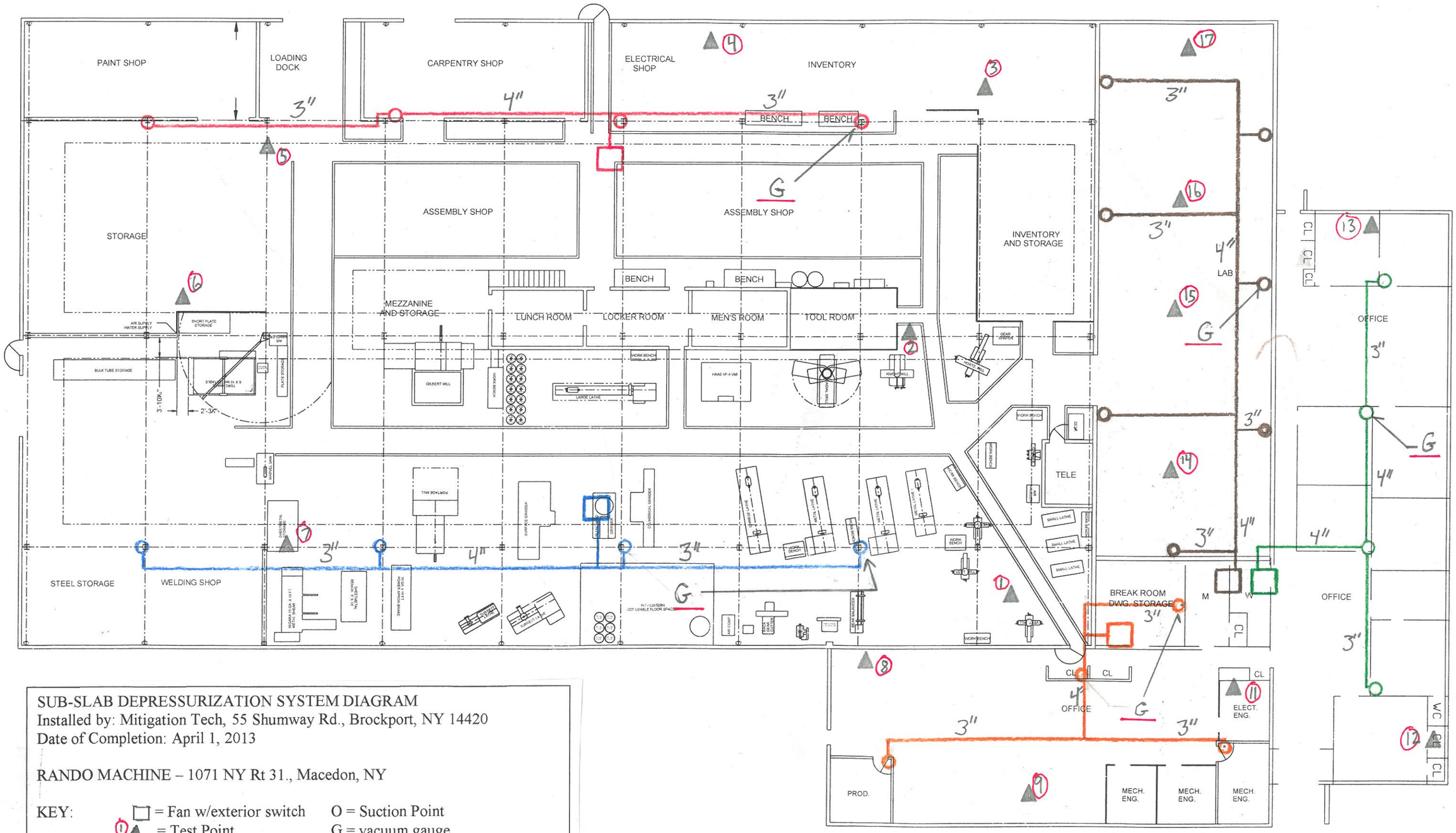
Comments:
Divots up to 2-ft diameter and several inches deep were observed in the center of the main floor.

Appendix B

Building Layout Diagram

RANDO MACHINE CORP.

1071 STATE ROUTE 31 - MACEDON, NY 14502



SUB-SLAB DEPRESSURIZATION SYSTEM DIAGRAM
Installed by: Mitigation Tech, 55 Shumway Rd., Brockport, NY 14420
Date of Completion: April 1, 2013

RANDO MACHINE – 1071 NY Rt 31., Macedon, NY

KEY: □ = Fan w/exterior switch O = Suction Point
① ▲ = Test Point G = vacuum gauge

APPENDIX C

NYSDOH Indoor Air Quality Questionnaire and Building Inventory

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Christiana Deluca Date/Time Prepared 10/13/2023 0830

Preparer's Affiliation Consultant (Stantec) Phone No. (585) 683-3694

Purpose of Investigation Pre-Sampling Investigation

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
(Industrial)	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors_____ Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	(concrete)	stone	(brick)
b. Basement type:	full	crawlspace	slab	(other) slab with recessed "sump" area.
c. Basement floor:	(concrete) w/ standing water	dirt	stone	other _____
d. Basement floor:	(uncovered)	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____ unknown	
f. Foundation walls:	poured	(block)	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____ unknown	
h. The basement is:	(wet)	damp	dry	moldy (recessed area)
i. The basement is:	finished	(unfinished)	partially finished	
j. Sump present?	Y / N possible, unknown due to questionable structural integrity of egress; area unsafe to enter.			
k. Water in sump?	Y / N (not applicable)			

Basement/Lowest level depth below grade: ~12 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Cracks in slab up to 3" wide. Recessed (recessed) area Floor drain near sump area.
Possible "pot hole" 4" deep in slab.

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

(Hot air circulation)	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene	unknown- likely natural gas
Electric	Propane	Solar	
Wood	Coal		

Domestic hot water tank fueled by: unknown- likely gas

Boiler/furnace located in: Basement Outdoors Main Floor Other unknown

Air conditioning: Central Air Window units Open Windows None

unknown- likely none

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

_____

_____

_____

_____

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	_____
1st Floor	_____
2nd Floor	_____
3rd Floor	_____
4th Floor	_____

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA Please specify_____

d. Has the building ever had a fire? Y / N When?_____

e. Is a kerosene or unvented gas space heater present? Y / N Where?_____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? _____

g. Is there smoking in the building? Y / N How frequently? _____

h. Have cleaning products been used recently? Y / N When & Type? _____

i. Have cosmetic products been used recently? Y / N When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? (Y) / N If yes, where vented? roof > possible

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? roof

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? (Y) / N
If yes, please describe: strong mildew, mold, dampness

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? (N/A); building is currently vacant

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

(N/A)

Is there a radon mitigation system for the building/structure? (Y) / N Date of Installation 04/2013
Is the system active or passive? (Active) Passive

9. WATER AND SEWAGE

Water Supply:	Public Water	Drilled Well	Driven Well	Dug Well	Other: unknown
Sewage Disposal:	Public Sewer	Septic Tank	Leach Field	Dry Well	Other: unknown

10. RELOCATION INFORMATION (for oil spill residential emergency)

(N/A)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

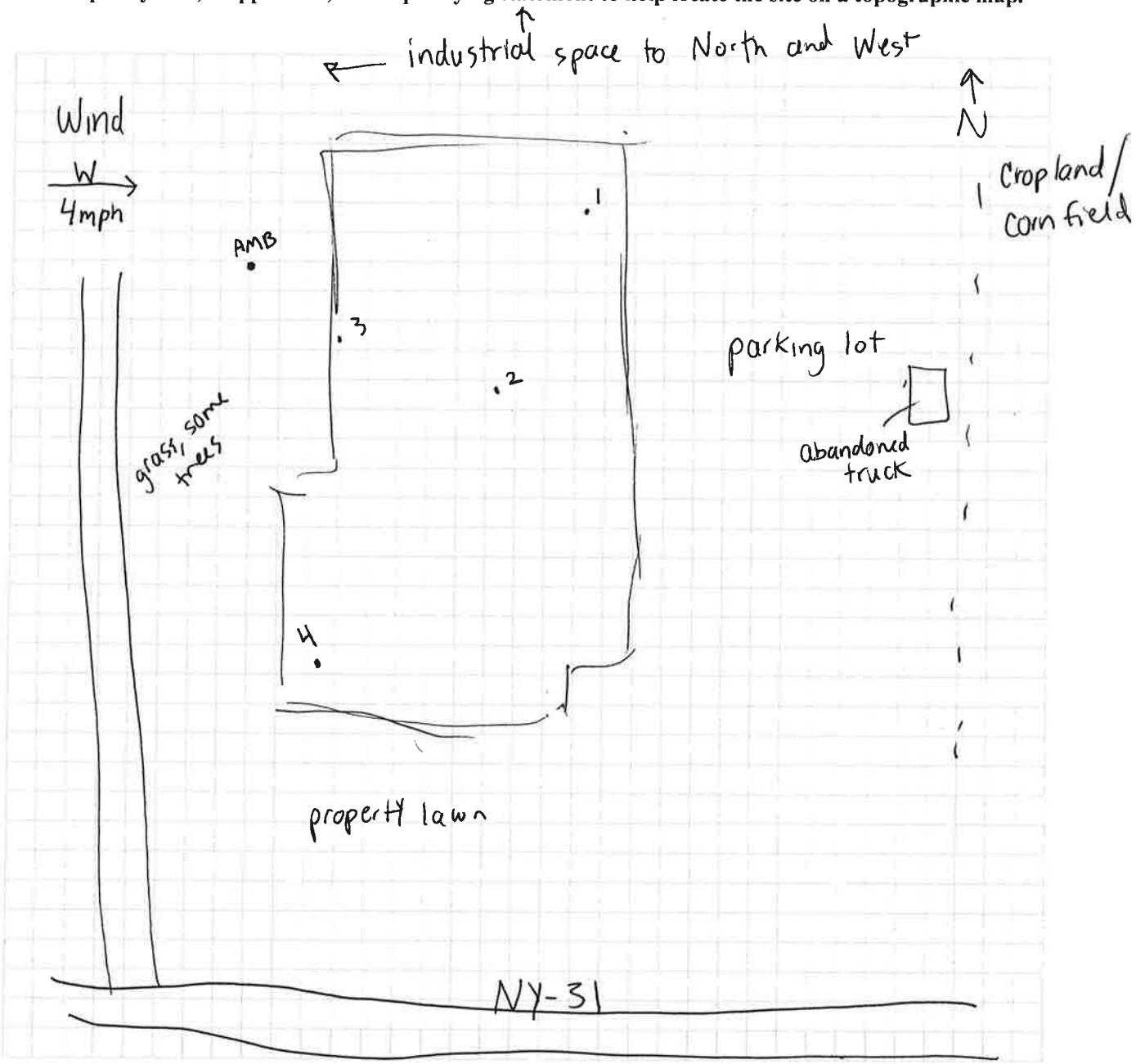
Basement:

First Floor:

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

APPENDIX D

Air Sampling Log

Rando Machine Corporation
Indoor Air Sampling: 10/13/2023

Sample ID	IA-RANDO-1	IA-Rando-2	IA-Rando-3	IA-Rando-4	AMB-Rando-1
Sample Type	IA	IA	IA	IA	AMB
Building Area	Paint Shop	Interior Hallway	East Wing	South Office Wing	N/A
Can ID	AC02319	AS01302	AS01718	AS01626	AS01010
Regulator ID	13063	12259	14569	03360	16135
Ambient PID (ppm)	0	0	0	0	0
Start Time	815				
Start Pressure (in Hg)	-29.26	-27.94	-28.72	-30.12	-30.31
Check #1 Time	915				
Check #1 Pressure	-28	-27	-27.3	-28	-27.1
Check #2 Time	1115				
Check #2 Pressure	-21.1	-20.5	-21	-21.5	-21
Check #3 Time	1315				
Check #3 Pressure	-14.8	-14	-13.8	-14.8	-15
Stop Time	1600		1605	1615	
Stop Pressure (in Hg)	-2.46	-5.22	-4.37	-4.14	-5.07
Comments	none	Regulator swapped out at beginning of test due to pressure reading zero.	none	none	Regulator decreased in pressure quickly and was not a tight seal to cannister, cannister and pressure dial were switched prior to the start of test.

Sample Type Codes:
IA = Indoor Air
AMB = Outdoor Air Sample

Field Instruments:
PID: Stantec 2

Weather: 50 degrees F, sunny.

Field Staff: C. DeLuca and P. Suter

APPENDIX E

Laboratory Analytical Report

ALS Environmental
2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T +1 805 526 7161

right solutions.
right partner.

LABORATORY REPORT

October 30, 2023

Patrick Suter
Stantec Consulting Group, Inc.
61 Commercial St., Suite 100
Rochester, NY 14614

RE: 1071 Rt. 31 Former Rando Machine Corporation Site / 195602768.200

Dear Patrick:

Enclosed are the results of the samples submitted to our laboratory on October 16, 2023. For your reference, these analyses have been assigned our service request number P2304974.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

ALS | Environmental

By Sue Anderson at 4:51 pm, Oct 30, 2023

For Sarah Mock
Project Manager

ALS Environmental
2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T +1 805 526 7161

right solutions.
right partner.

Client: Stantec Consulting Group, Inc. Service Request No: P2304974
Project: 1071 Rt. 31 Former Rando Machine Corporation Site / 195602768.200
New York Lab ID: 11221

CASE NARRATIVE

The samples were received intact under chain of custody on October 16, 2023 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph/mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The upper control criteria were exceeded for Chloromethane and and 1,3-Butadiene in the Continuing Calibration Verification (CCV) analyzed on October 27, 2023. Therefore, a potential for a high bias exists for those associated sample concentrations reported with positive results. The data has been qualified accordingly.

The spike recoveries of Trichlorotrifluoroethane for the Laboratory Control Sample (LCS) and of 1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114), 1,1-Dichloroethene and Trichlorotrifluoroethane (CFC 113) for the Duplicate Laboratory Control Sample (DLCS) analyzed on October 27, 2023 were outside the laboratory generated control criteria. The recovery errors equate to a potential high bias. However, the spike recoveries of the analytes in question were within the method criteria; therefore, the data quality has not been significantly affected. The data has been flagged accordingly. No further corrective action was necessary.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.4 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

ALS Environmental
2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T +1 805 526 7161

right solutions.
right partner.

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	https://dec.alaska.gov/spar/csp/lab-approval/list-of-approved-labs	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	https://internet.deq.louisiana.gov/portal/divisions/lelap/accredited-laboratories	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtm	2022028
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	006-999-456
New Jersey DEP (NELAP)	https://dep.nj.gov/dsr/oqa/certified-laboratories/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oklahoma DEQ (NELAP)	labaccreditation.deq.ok.gov/labaccreditation/	2207
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-012
Pennsylvania DEP	hhttp://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413-23-14
Utah DOH (NELAP)	https://uphl.utah.gov/certifications/environmental-laboratory-certification/	CA016272023-15
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Stantec Consulting Group, Inc. Service Request: P2304974

Project ID: 1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200

Date Received: 10/16/2023

Time Received: 09:20

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pfl (psig)	TO-15 - VOC Cans 62
IA-RANDO-1	P2304974-001	Air	10/13/2023	16:00	AC02319	-0.52	4.01	X
IA-RANDO-2	P2304974-002	Air	10/13/2023	16:00	AS01302	-1.91	4.05	X
IA-RANDO-3	P2304974-003	Air	10/13/2023	16:05	AS01718	-1.52	4.20	X
IA-RANDO-4	P2304974-004	Air	10/13/2023	16:15	AS01626	-1.36	3.90	X
AMB-RANDO-1	P2304974-005	Air	10/13/2023	16:15	AS01010	-1.85	4.21	X

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 1

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. PJ30 4974

ALS Contact:

Company Name & Address (Reporting Information)
Stantec Consulting
61 Commercial St

Project Name: 1071 Rt 31 Former Rando Machine Corporation Site

Project Number: 195602768.200

Project Manager: Dwight Harrenger

P.O. # / Billing Information: 195602768 - invoice to Dwight Harrenger dwight.harrenger@stantec.com

Phone: (585) 413-8740 Fax: —

Email Address for Result Reporting: patrick.suter@stantec.com

Sampler (Print & Sign): Patrick Suter

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	TO-15 Reporting Limits per NYSDOH SVI Matrices Guidance Criteria		Comments e.g. Actual Preservative or specific instructions
											STOP TIME
IA-RANDO-1	1	10/13/23	0815	AS01409	13063	-29.26	-2.46	6L	X		1600
IA-RANDO-2	2	↓	↓	AS01302	12259	-27.94	-5.22	6L	X		1600
IA-RANDO-3	3			AS01718	14569	-28.72	-4.37	6L	X		1605
IA-RANDO-4	4			AS01626	03360	-30.12	-4.14	6L	X		1615
AMB-RANDO-1		↓	↓	AS01010	16135	-30.31	-5.07	6L	X		1615

Report Tier Levels - please select

Tier I - Results (Default if not specified) X
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) 10% Surcharge ____

EDD required (Yes) / No
Type: Basic EQuIS EFWEDD
Units: ____

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Patrick Suter Patrick Suter	10/17/23	1800	Fed Ex Manitou Rd.	10/17/23	1800
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FEDEX				10-16-23	0920

Cooler / Blank Temperature ____ °C

ALS Environmental
Sample Acceptance Check Form

Client: Stantec Consulting Group, Inc. Work order: P2304974

Project: 1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200

Sample(s) received on: 10/16/23 Date opened: 10/16/23 by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☐	☒	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☒	☐	☐
	Location of seal(s)? Box sealing. Sealing Lid?	☒	☐	☐
	Were signature and date included?	☒	☐	☐
	Were seals intact?	☒	☐	☐
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒
12	Lab Notification: Analyst and PM were alerted of Short HT or RUSH samples?	☐	☐	☒
13	Client Notification: Client has been notified regarding HT exceedances and/or other CoC discrepancies?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2304974-001.01	6.0 L Ambient Can					
P2304974-002.01	6.0 L Silonite Can					
P2304974-003.01	6.0 L Silonite Can					
P2304974-004.01	6.0 L Silonite Can					
P2304974-005.01	6.0 L Silonite Can					
P2304974-006.01	6.0 L Silonite Can					Return Unused

Explain any discrepancies: (include lab sample ID numbers):

The can ID for sample -001 notes AS01409 on the COC but the correct ID is AC02319.

Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Stantec Consulting Group, Inc.**
Client Sample ID: **IA-RANDO-1** ALS Project ID: P2304974
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-001

Test Code: EPA TO-15 Date Collected: 10/13/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 10/16/23
Analyst: Topacio Zavala Date Analyzed: 10/27/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02319

Initial Pressure (psig): -0.52 Final Pressure (psig): 4.01

Canister Dilution Factor: 1.32

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	ND	0.70	0.17	ND	0.41	0.10	
75-71-8	Dichlorodifluoromethane (CFC 12)	**3.5**	0.70	0.11	**0.71**	0.14	0.023	
74-87-3	Chloromethane	**0.33**	0.69	0.11	**0.16**	0.33	0.055	**J, V**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	**0.11**	0.69	0.11	**0.016**	0.098	0.016	**J**
75-01-4	Vinyl Chloride	ND	0.67	0.075	ND	0.26	0.029	
106-99-0	1,3-Butadiene	ND	0.70	0.12	ND	0.32	0.053	
74-83-9	Bromomethane	ND	0.67	0.098	ND	0.17	0.025	
75-00-3	Chloroethane	ND	0.69	0.087	ND	0.26	0.033	
67-64-1	Acetone	**3.8**	7.0	1.6	**1.6**	2.9	0.67	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**3.8**	0.69	0.11	**0.67**	0.12	0.019	
67-63-0	2-Propanol (Isopropyl Alcohol)	**0.40**	1.4	0.29	**0.16**	0.55	0.12	**J**
75-35-4	1,1-Dichloroethene	ND	0.71	0.098	ND	0.18	0.025	
75-09-2	Methylene Chloride	**0.22**	0.70	0.20	**0.065**	0.20	0.057	**J**
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.48**	0.71	0.10	**0.063**	0.093	0.013	**J**
75-15-0	Carbon Disulfide	**0.42**	1.4	0.21	**0.13**	0.45	0.068	**J**
156-60-5	trans-1,2-Dichloroethene	ND	0.71	0.098	ND	0.18	0.025	
75-34-3	1,1-Dichloroethane	ND	0.71	0.10	ND	0.18	0.025	
1634-04-4	Methyl tert-Butyl Ether	ND	0.71	0.083	ND	0.20	0.023	
108-05-4	Vinyl Acetate	ND	6.6	1.6	ND	1.9	0.45	
78-93-3	2-Butanone (MEK)	**0.43**	1.4	0.15	**0.15**	0.47	0.049	**J**
156-59-2	cis-1,2-Dichloroethene	ND	0.70	0.099	ND	0.18	0.025	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

Client: **Stantec Consulting Group, Inc.**

Client Sample ID: **IA-RANDO-1** ALS Project ID: P2304974

Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-001

Test Code: EPA TO-15 Date Collected: 10/13/23

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 10/16/23

Analyst: Topacio Zavala Date Analyzed: 10/27/23

Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AC02319

Initial Pressure (psig): -0.52 Final Pressure (psig): 4.01

Canister Dilution Factor: 1.32

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	**4.9**	2.8	0.37	**1.4**	0.77	0.10	
110-54-3	n-Hexane	**0.22**	0.70	0.15	**0.062**	0.20	0.041	**J**
67-66-3	Chloroform	**0.11**	0.70	0.094	**0.023**	0.14	0.019	**J**
109-99-9	Tetrahydrofuran (THF)	**0.12**	1.3	0.088	**0.041**	0.45	0.030	**J**
107-06-2	1,2-Dichloroethane	ND	0.71	0.078	ND	0.18	0.019	
71-55-6	1,1,1-Trichloroethane	**0.21**	0.70	0.087	**0.039**	0.13	0.016	**J**
71-43-2	Benzene	**0.43**	0.71	0.10	**0.13**	0.22	0.032	**J**
56-23-5	Carbon Tetrachloride	**0.43**	0.69	0.098	**0.069**	0.11	0.016	**J**
110-82-7	Cyclohexane	ND	1.4	0.20	ND	0.40	0.058	
78-87-5	1,2-Dichloropropane	ND	0.70	0.087	ND	0.15	0.019	
75-27-4	Bromodichloromethane	ND	0.71	0.10	ND	0.11	0.015	
79-01-6	Trichloroethene	ND	0.70	0.095	ND	0.13	0.018	
123-91-1	1,4-Dioxane	**0.58**	0.70	0.083	**0.16**	0.19	0.023	**J**
142-82-5	n-Heptane	**0.26**	0.70	0.11	**0.063**	0.17	0.027	**J**
10061-01-5	cis-1,3-Dichloropropene	ND	0.71	0.11	ND	0.16	0.024	
108-10-1	4-Methyl-2-pentanone	**0.11**	1.5	0.096	**0.026**	0.35	0.024	**J**
10061-02-6	trans-1,3-Dichloropropene	ND	0.67	0.15	ND	0.15	0.032	
79-00-5	1,1,2-Trichloroethane	ND	0.70	0.071	ND	0.13	0.013	
108-88-3	Toluene	**0.89**	0.70	0.086	**0.24**	0.19	0.023	
591-78-6	2-Hexanone	**0.091**	1.5	0.087	**0.022**	0.35	0.021	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Stantec Consulting Group, Inc.**
Client Sample ID: **IA-RANDO-1** ALS Project ID: P2304974
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-001

Test Code: EPA TO-15 Date Collected: 10/13/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 10/16/23
Analyst: Topacio Zavala Date Analyzed: 10/27/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02319

Initial Pressure (psig): -0.52 Final Pressure (psig): 4.01

Canister Dilution Factor: 1.32

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.71	0.092	ND	0.084	0.011	
106-93-4	1,2-Dibromoethane	ND	0.69	0.082	ND	0.089	0.011	
127-18-4	Tetrachloroethene	ND	0.70	0.091	ND	0.10	0.013	
108-90-7	Chlorobenzene	ND	0.70	0.094	ND	0.15	0.020	
100-41-4	Ethylbenzene	**0.23**	0.70	0.099	**0.054**	0.16	0.023	**J**
179601-23-1	m,p-Xylenes	**0.93**	1.5	0.18	**0.21**	0.33	0.043	**J**
75-25-2	Bromoform	ND	0.71	0.15	ND	0.069	0.014	
100-42-5	Styrene	ND	0.70	0.11	ND	0.16	0.027	
95-47-6	o-Xylene	**0.59**	0.70	0.10	**0.14**	0.16	0.023	**J**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.70	0.098	ND	0.10	0.014	
98-82-8	Cumene	ND	0.71	0.10	ND	0.15	0.021	
622-96-8	4-Ethyltoluene	ND	0.73	0.11	ND	0.15	0.023	
108-67-8	1,3,5-Trimethylbenzene	ND	0.70	0.10	ND	0.14	0.021	
95-63-6	1,2,4-Trimethylbenzene	**0.12**	0.70	0.098	**0.025**	0.14	0.020	**J**
100-44-7	Benzyl Chloride	ND	2.8	0.16	ND	0.54	0.031	
541-73-1	1,3-Dichlorobenzene	ND	0.70	0.11	ND	0.12	0.018	
106-46-7	1,4-Dichlorobenzene	ND	0.70	0.11	ND	0.12	0.018	
95-50-1	1,2-Dichlorobenzene	ND	0.71	0.10	ND	0.12	0.017	
120-82-1	1,2,4-Trichlorobenzene	ND	1.5	0.17	ND	0.20	0.023	
91-20-3	Naphthalene	**0.61**	0.73	0.17	**0.12**	0.14	0.033	**J**
87-68-3	Hexachlorobutadiene	ND	0.70	0.15	ND	0.066	0.014	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Stantec Consulting Group, Inc.**
Client Sample ID: **IA-RANDO-2** ALS Project ID: P2304974
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-002

Test Code: EPA TO-15 Date Collected: 10/13/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 10/16/23
Analyst: Topacio Zavala Date Analyzed: 10/27/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01302

Initial Pressure (psig): -1.91 Final Pressure (psig): 4.05

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	ND	0.78	0.19	ND	0.45	0.11	
75-71-8	Dichlorodifluoromethane (CFC 12)	**4.0**	0.78	0.13	**0.81**	0.16	0.026	
74-87-3	Chloromethane	**0.28**	0.76	0.13	**0.14**	0.37	0.061	**J, V**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	**0.12**	0.76	0.12	**0.018**	0.11	0.018	**J**
75-01-4	Vinyl Chloride	ND	0.75	0.084	ND	0.29	0.033	
106-99-0	1,3-Butadiene	ND	0.78	0.13	ND	0.35	0.058	
74-83-9	Bromomethane	ND	0.75	0.11	ND	0.19	0.028	
75-00-3	Chloroethane	ND	0.76	0.097	ND	0.29	0.037	
67-64-1	Acetone	**4.4**	7.7	1.8	**1.9**	3.3	0.74	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**3.7**	0.76	0.12	**0.67**	0.14	0.021	
67-63-0	2-Propanol (Isopropyl Alcohol)	**0.48**	1.5	0.32	**0.19**	0.61	0.13	**J**
75-35-4	1,1-Dichloroethene	ND	0.79	0.11	ND	0.20	0.027	
75-09-2	Methylene Chloride	**0.25**	0.78	0.22	**0.072**	0.22	0.063	**J**
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.55**	0.79	0.11	**0.072**	0.10	0.015	**J**
75-15-0	Carbon Disulfide	**0.32**	1.6	0.24	**0.10**	0.51	0.076	**J**
156-60-5	trans-1,2-Dichloroethene	ND	0.79	0.11	ND	0.20	0.027	
75-34-3	1,1-Dichloroethane	ND	0.79	0.11	ND	0.20	0.028	
1634-04-4	Methyl tert-Butyl Ether	ND	0.79	0.093	ND	0.22	0.026	
108-05-4	Vinyl Acetate	ND	7.4	1.8	ND	2.1	0.50	
78-93-3	2-Butanone (MEK)	**0.39**	1.5	0.16	**0.13**	0.52	0.055	**J**
156-59-2	cis-1,2-Dichloroethene	ND	0.78	0.11	ND	0.20	0.028	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

Client: **Stantec Consulting Group, Inc.**

Client Sample ID: **IA-RANDO-2** ALS Project ID: P2304974

Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-002

Test Code:	EPA TO-15	Date Collected:	10/13/23
Instrument ID:	Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13	Date Received:	10/16/23
Analyst:	Topacio Zavala	Date Analyzed:	10/27/23
Sample Type:	6.0 L Silonite Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	AS01302		

Initial Pressure (psig): -1.91 Final Pressure (psig): 4.05

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	**4.4**	3.1	0.41	**1.2**	0.86	0.11	
110-54-3	n-Hexane	**0.23**	0.78	0.16	**0.065**	0.22	0.046	**J**
67-66-3	Chloroform	**0.14**	0.78	0.10	**0.028**	0.16	0.021	**J**
109-99-9	Tetrahydrofuran (THF)	ND	1.5	0.098	ND	0.50	0.033	
107-06-2	1,2-Dichloroethane	ND	0.79	0.087	ND	0.20	0.021	
71-55-6	1,1,1-Trichloroethane	**0.11**	0.78	0.097	**0.020**	0.14	0.018	**J**
71-43-2	Benzene	**0.41**	0.79	0.11	**0.13**	0.25	0.035	**J**
56-23-5	Carbon Tetrachloride	**0.42**	0.76	0.11	**0.066**	0.12	0.017	**J**
110-82-7	Cyclohexane	ND	1.5	0.22	ND	0.45	0.064	
78-87-5	1,2-Dichloropropane	ND	0.78	0.097	ND	0.17	0.021	
75-27-4	Bromodichloromethane	ND	0.79	0.11	ND	0.12	0.017	
79-01-6	Trichloroethene	ND	0.78	0.11	ND	0.15	0.020	
123-91-1	1,4-Dioxane	**0.16**	0.78	0.093	**0.045**	0.22	0.026	**J**
142-82-5	n-Heptane	**0.23**	0.78	0.12	**0.056**	0.19	0.031	**J**
10061-01-5	cis-1,3-Dichloropropene	ND	0.79	0.12	ND	0.17	0.027	
108-10-1	4-Methyl-2-pentanone	ND	1.6	0.11	ND	0.39	0.026	
10061-02-6	trans-1,3-Dichloropropene	ND	0.75	0.16	ND	0.17	0.036	
79-00-5	1,1,2-Trichloroethane	ND	0.78	0.079	ND	0.14	0.015	
108-88-3	Toluene	**0.89**	0.78	0.096	**0.24**	0.21	0.025	
591-78-6	2-Hexanone	ND	1.6	0.097	ND	0.39	0.024	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Stantec Consulting Group, Inc.**
Client Sample ID: **IA-RANDO-2** ALS Project ID: P2304974
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-002

Test Code: EPA TO-15 Date Collected: 10/13/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 10/16/23
Analyst: Topacio Zavala Date Analyzed: 10/27/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01302

Initial Pressure (psig): -1.91 Final Pressure (psig): 4.05

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.79	0.10	ND	0.093	0.012	
106-93-4	1,2-Dibromoethane	ND	0.76	0.091	ND	0.10	0.012	
127-18-4	Tetrachloroethene	ND	0.78	0.10	ND	0.11	0.015	
108-90-7	Chlorobenzene	ND	0.78	0.10	ND	0.17	0.023	
100-41-4	Ethylbenzene	**0.16**	0.78	0.11	**0.036**	0.18	0.025	**J**
179601-23-1	m,p-Xylenes	**0.52**	1.6	0.21	**0.12**	0.37	0.047	**J**
75-25-2	Bromoform	ND	0.79	0.16	ND	0.077	0.016	
100-42-5	Styrene	ND	0.78	0.13	ND	0.18	0.030	
95-47-6	o-Xylene	**0.31**	0.78	0.11	**0.072**	0.18	0.026	**J**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.78	0.11	ND	0.11	0.016	
98-82-8	Cumene	ND	0.79	0.11	ND	0.16	0.023	
622-96-8	4-Ethyltoluene	ND	0.81	0.12	ND	0.16	0.025	
108-67-8	1,3,5-Trimethylbenzene	ND	0.78	0.11	ND	0.16	0.023	
95-63-6	1,2,4-Trimethylbenzene	**0.12**	0.78	0.11	**0.025**	0.16	0.022	**J**
100-44-7	Benzyl Chloride	ND	3.1	0.18	ND	0.60	0.034	
541-73-1	1,3-Dichlorobenzene	ND	0.78	0.12	ND	0.13	0.020	
106-46-7	1,4-Dichlorobenzene	ND	0.78	0.12	ND	0.13	0.020	
95-50-1	1,2-Dichlorobenzene	ND	0.79	0.12	ND	0.13	0.019	
120-82-1	1,2,4-Trichlorobenzene	ND	1.6	0.19	ND	0.22	0.026	
91-20-3	Naphthalene	**0.65**	0.81	0.19	**0.12**	0.15	0.036	**J**
87-68-3	Hexachlorobutadiene	ND	0.78	0.16	ND	0.073	0.015	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Stantec Consulting Group, Inc.**
Client Sample ID: **IA-RANDO-3** ALS Project ID: P2304974
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-003

Test Code: EPA TO-15 Date Collected: 10/13/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 10/16/23
Analyst: Topacio Zavala Date Analyzed: 10/27/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01718

Initial Pressure (psig): -1.52 Final Pressure (psig): 4.20

Canister Dilution Factor: 1.43

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	ND	0.76	0.19	ND	0.44	0.11	
75-71-8	Dichlorodifluoromethane (CFC 12)	**3.1**	0.76	0.12	**0.62**	0.15	0.025	
74-87-3	Chloromethane	**0.31**	0.74	0.12	**0.15**	0.36	0.060	**J, V**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	**0.13**	0.74	0.12	**0.019**	0.11	0.017	**J**
75-01-4	Vinyl Chloride	ND	0.73	0.082	ND	0.29	0.032	
106-99-0	1,3-Butadiene	ND	0.76	0.13	ND	0.34	0.057	
74-83-9	Bromomethane	ND	0.73	0.11	ND	0.19	0.027	
75-00-3	Chloroethane	ND	0.74	0.094	ND	0.28	0.036	
67-64-1	Acetone	**5.2**	7.5	1.7	**2.2**	3.2	0.72	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**3.5**	0.74	0.12	**0.63**	0.13	0.021	
67-63-0	2-Propanol (Isopropyl Alcohol)	**0.62**	1.5	0.31	**0.25**	0.60	0.13	**J**
75-35-4	1,1-Dichloroethene	ND	0.77	0.11	ND	0.19	0.027	
75-09-2	Methylene Chloride	**0.25**	0.76	0.21	**0.072**	0.22	0.062	**J**
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.51**	0.77	0.11	**0.066**	0.10	0.014	**J**
75-15-0	Carbon Disulfide	**0.97**	1.5	0.23	**0.31**	0.49	0.074	**J**
156-60-5	trans-1,2-Dichloroethene	ND	0.77	0.11	ND	0.19	0.027	
75-34-3	1,1-Dichloroethane	ND	0.77	0.11	ND	0.19	0.028	
1634-04-4	Methyl tert-Butyl Ether	ND	0.77	0.090	ND	0.21	0.025	
108-05-4	Vinyl Acetate	ND	7.2	1.7	ND	2.0	0.49	
78-93-3	2-Butanone (MEK)	**0.52**	1.5	0.16	**0.18**	0.50	0.053	**J**
156-59-2	cis-1,2-Dichloroethene	ND	0.76	0.11	ND	0.19	0.027	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

Client: **Stantec Consulting Group, Inc.**

Client Sample ID: **IA-RANDO-3** ALS Project ID: P2304974

Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-003

Test Code: EPA TO-15 Date Collected: 10/13/23

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 10/16/23

Analyst: Topacio Zavala Date Analyzed: 10/27/23

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS01718

Initial Pressure (psig): -1.52 Final Pressure (psig): 4.20

Canister Dilution Factor: 1.43

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	**6.3**	3.0	0.40	**1.8**	0.83	0.11	
110-54-3	n-Hexane	**0.24**	0.76	0.16	**0.067**	0.22	0.045	**J**
67-66-3	Chloroform	**0.14**	0.76	0.10	**0.028**	0.16	0.021	**J**
109-99-9	Tetrahydrofuran (THF)	ND	1.4	0.096	ND	0.49	0.032	
107-06-2	1,2-Dichloroethane	ND	0.77	0.084	ND	0.19	0.021	
71-55-6	1,1,1-Trichloroethane	**0.11**	0.76	0.094	**0.019**	0.14	0.017	**J**
71-43-2	Benzene	**0.43**	0.77	0.11	**0.14**	0.24	0.034	**J**
56-23-5	Carbon Tetrachloride	**0.42**	0.74	0.11	**0.066**	0.12	0.017	**J**
110-82-7	Cyclohexane	ND	1.5	0.21	ND	0.44	0.062	
78-87-5	1,2-Dichloropropane	ND	0.76	0.094	ND	0.16	0.020	
75-27-4	Bromodichloromethane	ND	0.77	0.11	ND	0.12	0.016	
79-01-6	Trichloroethene	ND	0.76	0.10	ND	0.14	0.019	
123-91-1	1,4-Dioxane	**0.18**	0.76	0.090	**0.050**	0.21	0.025	**J**
142-82-5	n-Heptane	**0.23**	0.76	0.12	**0.056**	0.19	0.030	**J**
10061-01-5	cis-1,3-Dichloropropene	ND	0.77	0.12	ND	0.17	0.026	
108-10-1	4-Methyl-2-pentanone	ND	1.6	0.10	ND	0.38	0.025	
10061-02-6	trans-1,3-Dichloropropene	ND	0.73	0.16	ND	0.16	0.035	
79-00-5	1,1,2-Trichloroethane	ND	0.76	0.077	ND	0.14	0.014	
108-88-3	Toluene	**0.84**	0.76	0.093	**0.22**	0.20	0.025	
591-78-6	2-Hexanone	ND	1.6	0.094	ND	0.38	0.023	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Stantec Consulting Group, Inc.**
Client Sample ID: **IA-RANDO-3** ALS Project ID: P2304974
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-003

Test Code: EPA TO-15 Date Collected: 10/13/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 10/16/23
Analyst: Topacio Zavala Date Analyzed: 10/27/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01718

Initial Pressure (psig): -1.52 Final Pressure (psig): 4.20

Canister Dilution Factor: 1.43

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.77	0.10	ND	0.091	0.012	
106-93-4	1,2-Dibromoethane	ND	0.74	0.089	ND	0.097	0.012	
127-18-4	Tetrachloroethene	ND	0.76	0.099	ND	0.11	0.015	
108-90-7	Chlorobenzene	ND	0.76	0.10	ND	0.16	0.022	
100-41-4	Ethylbenzene	**0.15**	0.76	0.11	**0.036**	0.17	0.025	**J**
179601-23-1	m,p-Xylenes	**0.43**	1.6	0.20	**0.099**	0.36	0.046	**J**
75-25-2	Bromoform	ND	0.77	0.16	ND	0.075	0.015	
100-42-5	Styrene	ND	0.76	0.12	ND	0.18	0.029	
95-47-6	o-Xylene	**0.27**	0.76	0.11	**0.063**	0.17	0.025	**J**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.76	0.11	ND	0.11	0.015	
98-82-8	Cumene	ND	0.77	0.11	ND	0.16	0.022	
622-96-8	4-Ethyltoluene	ND	0.79	0.12	ND	0.16	0.025	
108-67-8	1,3,5-Trimethylbenzene	ND	0.76	0.11	ND	0.15	0.022	
95-63-6	1,2,4-Trimethylbenzene	ND	0.76	0.11	ND	0.15	0.022	
100-44-7	Benzyl Chloride	ND	3.0	0.17	ND	0.58	0.033	
541-73-1	1,3-Dichlorobenzene	ND	0.76	0.11	ND	0.13	0.019	
106-46-7	1,4-Dichlorobenzene	ND	0.76	0.12	ND	0.13	0.020	
95-50-1	1,2-Dichlorobenzene	ND	0.77	0.11	ND	0.13	0.019	
120-82-1	1,2,4-Trichlorobenzene	ND	1.6	0.19	ND	0.21	0.025	
91-20-3	Naphthalene	**0.65**	0.79	0.19	**0.12**	0.15	0.035	**J**
87-68-3	Hexachlorobutadiene	ND	0.76	0.16	ND	0.071	0.015	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Stantec Consulting Group, Inc.**
Client Sample ID: **IA-RANDO-4** ALS Project ID: P2304974
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-004

Test Code: EPA TO-15 Date Collected: 10/13/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 10/16/23
Analyst: Topacio Zavala Date Analyzed: 10/27/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01626

Initial Pressure (psig): -1.36 Final Pressure (psig): 3.90

Canister Dilution Factor: 1.39

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	ND	0.74	0.18	ND	0.43	0.11	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.6**	0.74	0.12	**0.53**	0.15	0.024	
74-87-3	Chloromethane	**0.27**	0.72	0.12	**0.13**	0.35	0.058	**J, V**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	**0.12**	0.72	0.12	**0.017**	0.10	0.017	**J**
75-01-4	Vinyl Chloride	ND	0.71	0.079	ND	0.28	0.031	
106-99-0	1,3-Butadiene	ND	0.74	0.12	ND	0.33	0.055	
74-83-9	Bromomethane	ND	0.71	0.10	ND	0.18	0.027	
75-00-3	Chloroethane	ND	0.72	0.092	ND	0.27	0.035	
67-64-1	Acetone	**3.8**	7.3	1.7	**1.6**	3.1	0.70	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**1.9**	0.72	0.11	**0.33**	0.13	0.020	
67-63-0	2-Propanol (Isopropyl Alcohol)	**0.93**	1.4	0.31	**0.38**	0.58	0.12	**J**
75-35-4	1,1-Dichloroethene	ND	0.75	0.10	ND	0.19	0.026	
75-09-2	Methylene Chloride	**0.27**	0.74	0.21	**0.076**	0.21	0.060	**J**
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.48**	0.75	0.11	**0.062**	0.098	0.014	**J**
75-15-0	Carbon Disulfide	ND	1.5	0.22	ND	0.48	0.071	
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.10	ND	0.19	0.026	
75-34-3	1,1-Dichloroethane	ND	0.75	0.11	ND	0.19	0.027	
1634-04-4	Methyl tert-Butyl Ether	ND	0.75	0.088	ND	0.21	0.024	
108-05-4	Vinyl Acetate	ND	7.0	1.7	ND	2.0	0.47	
78-93-3	2-Butanone (MEK)	**0.37**	1.4	0.15	**0.13**	0.49	0.052	**J**
156-59-2	cis-1,2-Dichloroethene	ND	0.74	0.10	ND	0.19	0.026	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

Client: **Stantec Consulting Group, Inc.**

Client Sample ID: **IA-RANDO-4** ALS Project ID: P2304974

Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-004

Test Code:	EPA TO-15	Date Collected:	10/13/23
Instrument ID:	Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13	Date Received:	10/16/23
Analyst:	Topacio Zavala	Date Analyzed:	10/27/23
Sample Type:	6.0 L Silonite Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	AS01626		

Initial Pressure (psig): -1.36 Final Pressure (psig): 3.90

Canister Dilution Factor: 1.39

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	**4.9**	2.9	0.39	**1.4**	0.81	0.11	
110-54-3	n-Hexane	**0.17**	0.74	0.15	**0.047**	0.21	0.043	**J**
67-66-3	Chloroform	**0.11**	0.74	0.099	**0.022**	0.15	0.020	**J**
109-99-9	Tetrahydrofuran (THF)	ND	1.4	0.093	ND	0.47	0.032	
107-06-2	1,2-Dichloroethane	ND	0.75	0.082	ND	0.19	0.020	
71-55-6	1,1,1-Trichloroethane	ND	0.74	0.092	ND	0.14	0.017	
71-43-2	Benzene	**0.45**	0.75	0.11	**0.14**	0.24	0.034	**J**
56-23-5	Carbon Tetrachloride	**0.45**	0.72	0.10	**0.072**	0.11	0.016	**J**
110-82-7	Cyclohexane	ND	1.5	0.21	ND	0.42	0.061	
78-87-5	1,2-Dichloropropane	ND	0.74	0.092	ND	0.16	0.020	
75-27-4	Bromodichloromethane	ND	0.75	0.11	ND	0.11	0.016	
79-01-6	Trichloroethene	ND	0.74	0.10	ND	0.14	0.019	
123-91-1	1,4-Dioxane	ND	0.74	0.088	ND	0.20	0.024	
142-82-5	n-Heptane	ND	0.74	0.12	ND	0.18	0.029	
10061-01-5	cis-1,3-Dichloropropene	ND	0.75	0.12	ND	0.17	0.025	
108-10-1	4-Methyl-2-pentanone	ND	1.5	0.10	ND	0.37	0.025	
10061-02-6	trans-1,3-Dichloropropene	ND	0.71	0.15	ND	0.16	0.034	
79-00-5	1,1,2-Trichloroethane	ND	0.74	0.075	ND	0.14	0.014	
108-88-3	Toluene	**0.92**	0.74	0.090	**0.24**	0.20	0.024	
591-78-6	2-Hexanone	ND	1.5	0.092	ND	0.37	0.022	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Stantec Consulting Group, Inc.**
Client Sample ID: **IA-RANDO-4** ALS Project ID: P2304974
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-004

Test Code: EPA TO-15 Date Collected: 10/13/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 10/16/23
Analyst: Topacio Zavala Date Analyzed: 10/27/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01626

Initial Pressure (psig): -1.36 Final Pressure (psig): 3.90

Canister Dilution Factor: 1.39

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.75	0.097	ND	0.088	0.011	
106-93-4	1,2-Dibromoethane	ND	0.72	0.086	ND	0.094	0.011	
127-18-4	Tetrachloroethene	ND	0.74	0.096	ND	0.11	0.014	
108-90-7	Chlorobenzene	ND	0.74	0.099	ND	0.16	0.021	
100-41-4	Ethylbenzene	**0.54**	0.74	0.10	**0.13**	0.17	0.024	**J**
179601-23-1	m,p-Xylenes	**0.64**	1.5	0.19	**0.15**	0.35	0.045	**J**
75-25-2	Bromoform	ND	0.75	0.15	ND	0.073	0.015	
100-42-5	Styrene	**1.8**	0.74	0.12	**0.43**	0.17	0.028	
95-47-6	o-Xylene	**0.36**	0.74	0.11	**0.083**	0.17	0.025	**J**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.74	0.10	ND	0.11	0.015	
98-82-8	Cumene	**0.30**	0.75	0.11	**0.060**	0.15	0.022	**J**
622-96-8	4-Ethyltoluene	ND	0.76	0.12	ND	0.16	0.024	
108-67-8	1,3,5-Trimethylbenzene	ND	0.74	0.11	ND	0.15	0.022	
95-63-6	1,2,4-Trimethylbenzene	**0.21**	0.74	0.10	**0.042**	0.15	0.021	**J**
100-44-7	Benzyl Chloride	ND	2.9	0.17	ND	0.56	0.032	
541-73-1	1,3-Dichlorobenzene	ND	0.74	0.11	ND	0.12	0.019	
106-46-7	1,4-Dichlorobenzene	ND	0.74	0.11	ND	0.12	0.019	
95-50-1	1,2-Dichlorobenzene	ND	0.75	0.11	ND	0.12	0.018	
120-82-1	1,2,4-Trichlorobenzene	ND	1.5	0.18	ND	0.21	0.024	
91-20-3	Naphthalene	**1.5**	0.76	0.18	**0.29**	0.15	0.034	
87-68-3	Hexachlorobutadiene	ND	0.74	0.15	ND	0.069	0.014	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Stantec Consulting Group, Inc.**
Client Sample ID: **AMB-RANDO-1** ALS Project ID: P2304974
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-005

Test Code: EPA TO-15 Date Collected: 10/13/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 10/16/23
Analyst: Topacio Zavala Date Analyzed: 10/27/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01010

Initial Pressure (psig): -1.85 Final Pressure (psig): 4.21

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	ND	0.78	0.19	ND	0.45	0.11	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.3**	0.78	0.13	**0.47**	0.16	0.026	
74-87-3	Chloromethane	**8.4**	0.76	0.13	**4.1**	0.37	0.061	**, V**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.76	0.12	ND	0.11	0.018	
75-01-4	Vinyl Chloride	ND	0.75	0.084	ND	0.29	0.033	
106-99-0	1,3-Butadiene	ND	0.78	0.13	ND	0.35	0.058	
74-83-9	Bromomethane	ND	0.75	0.11	ND	0.19	0.028	
75-00-3	Chloroethane	**2.4**	0.76	0.097	**0.90**	0.29	0.037	
67-64-1	Acetone	**4.2**	7.7	1.8	**1.8**	3.3	0.74	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**1.2**	0.76	0.12	**0.21**	0.14	0.021	
67-63-0	2-Propanol (Isopropyl Alcohol)	**0.43**	1.5	0.32	**0.17**	0.61	0.13	**J**
75-35-4	1,1-Dichloroethene	ND	0.79	0.11	ND	0.20	0.027	
75-09-2	Methylene Chloride	**0.30**	0.78	0.22	**0.086**	0.22	0.063	**J**
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.49**	0.79	0.11	**0.064**	0.10	0.015	**J**
75-15-0	Carbon Disulfide	**0.41**	1.6	0.24	**0.13**	0.51	0.076	**J**
156-60-5	trans-1,2-Dichloroethene	ND	0.79	0.11	ND	0.20	0.027	
75-34-3	1,1-Dichloroethane	ND	0.79	0.11	ND	0.20	0.028	
1634-04-4	Methyl tert-Butyl Ether	ND	0.79	0.093	ND	0.22	0.026	
108-05-4	Vinyl Acetate	ND	7.4	1.8	ND	2.1	0.50	
78-93-3	2-Butanone (MEK)	**0.40**	1.5	0.16	**0.14**	0.52	0.055	**J**
156-59-2	cis-1,2-Dichloroethene	ND	0.78	0.11	ND	0.20	0.028	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

Client: **Stantec Consulting Group, Inc.**

Client Sample ID: **AMB-RANDO-1** ALS Project ID: P2304974

Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-005

Test Code: EPA TO-15 Date Collected: 10/13/23

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 10/16/23

Analyst: Topacio Zavala Date Analyzed: 10/27/23

Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS01010

Initial Pressure (psig): -1.85 Final Pressure (psig): 4.21

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	**4.1**	3.1	0.41	**1.1**	0.86	0.11	
110-54-3	n-Hexane	ND	0.78	0.16	ND	0.22	0.046	
67-66-3	Chloroform	ND	0.78	0.10	ND	0.16	0.021	
109-99-9	Tetrahydrofuran (THF)	**0.19**	1.5	0.098	**0.064**	0.50	0.033	**J**
107-06-2	1,2-Dichloroethane	ND	0.79	0.087	ND	0.20	0.021	
71-55-6	1,1,1-Trichloroethane	ND	0.78	0.097	ND	0.14	0.018	
71-43-2	Benzene	**0.37**	0.79	0.11	**0.11**	0.25	0.035	**J**
56-23-5	Carbon Tetrachloride	**0.44**	0.76	0.11	**0.069**	0.12	0.017	**J**
110-82-7	Cyclohexane	ND	1.5	0.22	ND	0.45	0.064	
78-87-5	1,2-Dichloropropane	ND	0.78	0.097	ND	0.17	0.021	
75-27-4	Bromodichloromethane	ND	0.79	0.11	ND	0.12	0.017	
79-01-6	Trichloroethene	ND	0.78	0.11	ND	0.15	0.020	
123-91-1	1,4-Dioxane	**0.24**	0.78	0.093	**0.066**	0.22	0.026	**J**
142-82-5	n-Heptane	**0.16**	0.78	0.12	**0.039**	0.19	0.031	**J**
10061-01-5	cis-1,3-Dichloropropene	ND	0.79	0.12	ND	0.17	0.027	
108-10-1	4-Methyl-2-pentanone	ND	1.6	0.11	ND	0.39	0.026	
10061-02-6	trans-1,3-Dichloropropene	ND	0.75	0.16	ND	0.17	0.036	
79-00-5	1,1,2-Trichloroethane	ND	0.78	0.079	ND	0.14	0.015	
108-88-3	Toluene	**0.44**	0.78	0.096	**0.12**	0.21	0.025	**J**
591-78-6	2-Hexanone	ND	1.6	0.097	ND	0.39	0.024	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Stantec Consulting Group, Inc.**
Client Sample ID: **AMB-RANDO-1** ALS Project ID: P2304974
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P2304974-005

Test Code: EPA TO-15 Date Collected: 10/13/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 10/16/23
Analyst: Topacio Zavala Date Analyzed: 10/27/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01010

Initial Pressure (psig): -1.85 Final Pressure (psig): 4.21

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.79	0.10	ND	0.093	0.012	
106-93-4	1,2-Dibromoethane	ND	0.76	0.091	ND	0.10	0.012	
127-18-4	Tetrachloroethene	ND	0.78	0.10	ND	0.11	0.015	
108-90-7	Chlorobenzene	ND	0.78	0.10	ND	0.17	0.023	
100-41-4	Ethylbenzene	ND	0.78	0.11	ND	0.18	0.025	
179601-23-1	m,p-Xylenes	ND	1.6	0.21	ND	0.37	0.047	
75-25-2	Bromoform	ND	0.79	0.16	ND	0.077	0.016	
100-42-5	Styrene	**0.39**	0.78	0.13	**0.091**	0.18	0.030	**J**
95-47-6	o-Xylene	ND	0.78	0.11	ND	0.18	0.026	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.78	0.11	ND	0.11	0.016	
98-82-8	Cumene	ND	0.79	0.11	ND	0.16	0.023	
622-96-8	4-Ethyltoluene	ND	0.81	0.12	ND	0.16	0.025	
108-67-8	1,3,5-Trimethylbenzene	ND	0.78	0.11	ND	0.16	0.023	
95-63-6	1,2,4-Trimethylbenzene	ND	0.78	0.11	ND	0.16	0.022	
100-44-7	Benzyl Chloride	ND	3.1	0.18	ND	0.60	0.034	
541-73-1	1,3-Dichlorobenzene	ND	0.78	0.12	ND	0.13	0.020	
106-46-7	1,4-Dichlorobenzene	ND	0.78	0.12	ND	0.13	0.020	
95-50-1	1,2-Dichlorobenzene	ND	0.79	0.12	ND	0.13	0.019	
120-82-1	1,2,4-Trichlorobenzene	ND	1.6	0.19	ND	0.22	0.026	
91-20-3	Naphthalene	ND	0.81	0.19	ND	0.15	0.036	
87-68-3	Hexachlorobutadiene	ND	0.78	0.16	ND	0.073	0.015	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

Client: **Stantec Consulting Group, Inc.**

Client Sample ID: **Method Blank** ALS Project ID: P2304974

Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P231027-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Topacio Zavala Date Analyzed: 10/27/23

Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	ND	0.53	0.13	ND	0.31	0.076	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.53	0.087	ND	0.11	0.018	
74-87-3	Chloromethane	ND	0.52	0.086	ND	0.25	0.042	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.52	0.084	ND	0.074	0.012	
75-01-4	Vinyl Chloride	ND	0.51	0.057	ND	0.20	0.022	
106-99-0	1,3-Butadiene	ND	0.53	0.088	ND	0.24	0.040	
74-83-9	Bromomethane	ND	0.51	0.074	ND	0.13	0.019	
75-00-3	Chloroethane	ND	0.52	0.066	ND	0.20	0.025	
67-64-1	Acetone	ND	5.3	1.2	ND	2.2	0.51	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	0.52	0.081	ND	0.093	0.014	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	1.0	0.22	ND	0.42	0.090	
75-35-4	1,1-Dichloroethene	ND	0.54	0.074	ND	0.14	0.019	
75-09-2	Methylene Chloride	ND	0.53	0.15	ND	0.15	0.043	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.54	0.076	ND	0.070	0.0099	
75-15-0	Carbon Disulfide	ND	1.1	0.16	ND	0.34	0.051	
156-60-5	trans-1,2-Dichloroethene	ND	0.54	0.074	ND	0.14	0.019	
75-34-3	1,1-Dichloroethane	ND	0.54	0.078	ND	0.13	0.019	
1634-04-4	Methyl tert-Butyl Ether	ND	0.54	0.063	ND	0.15	0.017	
108-05-4	Vinyl Acetate	ND	5.0	1.2	ND	1.4	0.34	
78-93-3	2-Butanone (MEK)	ND	1.0	0.11	ND	0.35	0.037	
156-59-2	cis-1,2-Dichloroethene	ND	0.53	0.075	ND	0.13	0.019	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Stantec Consulting Group, Inc.**

Client Sample ID: **Method Blank** ALS Project ID: P2304974

Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P231027-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Topacio Zavala Date Analyzed: 10/27/23

Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	ND	2.1	0.28	ND	0.58	0.078	
110-54-3	n-Hexane	ND	0.53	0.11	ND	0.15	0.031	
67-66-3	Chloroform	ND	0.53	0.071	ND	0.11	0.015	
109-99-9	Tetrahydrofuran (THF)	ND	1.0	0.067	ND	0.34	0.023	
107-06-2	1,2-Dichloroethane	ND	0.54	0.059	ND	0.13	0.015	
71-55-6	1,1,1-Trichloroethane	ND	0.53	0.066	ND	0.097	0.012	
71-43-2	Benzene	ND	0.54	0.077	ND	0.17	0.024	
56-23-5	Carbon Tetrachloride	ND	0.52	0.074	ND	0.083	0.012	
110-82-7	Cyclohexane	ND	1.1	0.15	ND	0.31	0.044	
78-87-5	1,2-Dichloropropane	ND	0.53	0.066	ND	0.11	0.014	
75-27-4	Bromodichloromethane	ND	0.54	0.077	ND	0.081	0.011	
79-01-6	Trichloroethene	ND	0.53	0.072	ND	0.099	0.013	
123-91-1	1,4-Dioxane	ND	0.53	0.063	ND	0.15	0.017	
142-82-5	n-Heptane	ND	0.53	0.085	ND	0.13	0.021	
10061-01-5	cis-1,3-Dichloropropene	ND	0.54	0.083	ND	0.12	0.018	
108-10-1	4-Methyl-2-pentanone	ND	1.1	0.073	ND	0.27	0.018	
10061-02-6	trans-1,3-Dichloropropene	ND	0.51	0.11	ND	0.11	0.024	
79-00-5	1,1,2-Trichloroethane	ND	0.53	0.054	ND	0.097	0.0099	
108-88-3	Toluene	ND	0.53	0.065	ND	0.14	0.017	
591-78-6	2-Hexanone	ND	1.1	0.066	ND	0.27	0.016	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **Stantec Consulting Group, Inc.**

Client Sample ID: **Method Blank** ALS Project ID: P2304974

Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P231027-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Topacio Zavala Date Analyzed: 10/27/23

Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.54	0.070	ND	0.063	0.0082	
106-93-4	1,2-Dibromoethane	ND	0.52	0.062	ND	0.068	0.0081	
127-18-4	Tetrachloroethene	ND	0.53	0.069	ND	0.078	0.010	
108-90-7	Chlorobenzene	ND	0.53	0.071	ND	0.12	0.015	
100-41-4	Ethylbenzene	ND	0.53	0.075	ND	0.12	0.017	
179601-23-1	m,p-Xylenes	ND	1.1	0.14	ND	0.25	0.032	
75-25-2	Bromoform	ND	0.54	0.11	ND	0.052	0.011	
100-42-5	Styrene	ND	0.53	0.086	ND	0.12	0.020	
95-47-6	o-Xylene	ND	0.53	0.077	ND	0.12	0.018	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.53	0.074	ND	0.077	0.011	
98-82-8	Cumene	ND	0.54	0.077	ND	0.11	0.016	
622-96-8	4-Ethyltoluene	ND	0.55	0.085	ND	0.11	0.017	
108-67-8	1,3,5-Trimethylbenzene	ND	0.53	0.077	ND	0.11	0.016	
95-63-6	1,2,4-Trimethylbenzene	ND	0.53	0.074	ND	0.11	0.015	
100-44-7	Benzyl Chloride	ND	2.1	0.12	ND	0.41	0.023	
541-73-1	1,3-Dichlorobenzene	ND	0.53	0.080	ND	0.088	0.013	
106-46-7	1,4-Dichlorobenzene	ND	0.53	0.082	ND	0.088	0.014	
95-50-1	1,2-Dichlorobenzene	ND	0.54	0.079	ND	0.090	0.013	
120-82-1	1,2,4-Trichlorobenzene	ND	1.1	0.13	ND	0.15	0.018	
91-20-3	Naphthalene	ND	0.55	0.13	ND	0.10	0.025	
87-68-3	Hexachlorobutadiene	ND	0.53	0.11	ND	0.050	0.010	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **Stantec Consulting Group, Inc.**
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Project ID: P2304974

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date(s) Collected: 10/13/23
Analyst: Topacio Zavala Date(s) Received: 10/16/23
Sample Type: 6.0 L Summa Canister(s) Date(s) Analyzed: 10/27/23
Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P231027-MB	**105**	**102**	**97**	70-130	
Lab Control Sample	P231027-LCS	**103**	**98**	**99**	70-130	
Duplicate Lab Control Sample	P231027-DLCS	**101**	**94**	**100**	70-130	
IA-RANDO-1	P2304974-001	**103**	**89**	**103**	70-130	
IA-RANDO-2	P2304974-002	**118**	**94**	**106**	70-130	
IA-RANDO-3	P2304974-003	**100**	**94**	**100**	70-130	
IA-RANDO-4	P2304974-004	**98**	**95**	**109**	70-130	
AMB-RANDO-1	P2304974-005	**101**	**91**	**98**	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Client: **Stantec Consulting Group, Inc.**
Client Sample ID: **Duplicate Lab Control Sample** ALS Project ID: P2304974
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P231027-DLCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Topacio Zavala Date Analyzed: 10/27/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount LCS / DLCS µg/m³	Result LCS µg/m³	Result DLCS µg/m³	% Recovery LCS	% Recovery DLCS	ALS Acceptance Limits	RPD	RPD Limit	Data Qualifier
115-07-1	Propene	42.0	37.0	41.1	**88**	**98**	50-133	11	25	
75-71-8	Dichlorodifluoromethane (CFC 12)	41.6	40.7	46.1	**98**	**111**	66-122	12	25	
74-87-3	Chloromethane	42.8	41.6	48.7	**97**	**114**	56-131	16	25	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	43.6	49.2	55.5	**113**	**127**	63-120	12	25	**L**
75-01-4	Vinyl Chloride	42.4	48.2	54.7	**114**	**129**	57-129	12	25	
106-99-0	1,3-Butadiene	42.4	47.3	53.6	**112**	**126**	62-132	12	25	
74-83-9	Bromomethane	40.8	40.2	46.0	**99**	**113**	72-120	13	25	
75-00-3	Chloroethane	44.0	38.9	43.3	**88**	**98**	67-123	11	25	
67-64-1	Acetone	204	184	209	**90**	**102**	61-120	13	25	
75-69-4	Trichlorofluoromethane (CFC 11)	40.4	40.2	45.3	**100**	**112**	65-122	11	25	
67-63-0	2-Propanol (Isopropyl Alcohol)	79.2	72.4	81.0	**91**	**102**	59-132	11	25	
75-35-4	1,1-Dichloroethene	36.0	40.0	44.8	**111**	**124**	75-120	11	25	**L**
75-09-2	Methylene Chloride	36.4	35.5	40.1	**98**	**110**	71-123	12	25	
76-13-1	Trichlorotrifluoroethane (CFC 113)	36.0	44.3	46.8	**123**	**130**	65-121	6	25	**L**
75-15-0	Carbon Disulfide	82.8	80.4	84.4	**97**	**102**	69-115	5	25	
156-60-5	trans-1,2-Dichloroethene	42.0	39.9	44.7	**95**	**106**	67-123	11	25	
75-34-3	1,1-Dichloroethane	41.2	38.7	42.5	**94**	**103**	66-120	9	25	
1634-04-4	Methyl tert-Butyl Ether	42.8	40.9	46.3	**96**	**108**	65-124	12	25	
108-05-4	Vinyl Acetate	215	208	239	**97**	**111**	76-147	13	25	
78-93-3	2-Butanone (MEK)	81.2	82.3	83.3	**101**	**103**	70-125	2	25	
156-59-2	cis-1,2-Dichloroethene	41.2	41.3	42.7	**100**	**104**	64-120	4	25	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.
L = Laboratory control sample recovery outside the specified limits, results may be biased high.

Client: **Stantec Consulting Group, Inc.**
Client Sample ID: **Duplicate Lab Control Sample** ALS Project ID: P2304974
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P231027-DLCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Topacio Zavala Date Analyzed: 10/27/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount LCS / DLCS µg/m³	Result LCS µg/m³	Result DLCS µg/m³	% Recovery LCS	% Recovery DLCS	ALS Acceptance Limits	RPD	RPD Limit	Data Qualifier
141-78-6	Ethyl Acetate	78.4	80.7	79.3	**103**	**101**	56-120	2	25	
110-54-3	n-Hexane	42.0	42.2	41.0	**100**	**98**	60-125	2	25	
67-66-3	Chloroform	42.8	44.1	44.8	**103**	**105**	64-121	2	25	
109-99-9	Tetrahydrofuran (THF)	75.6	80.4	77.2	**106**	**102**	67-117	4	25	
107-06-2	1,2-Dichloroethane	40.8	41.5	42.1	**102**	**103**	64-138	1	25	
71-55-6	1,1,1-Trichloroethane	41.2	45.3	47.2	**110**	**115**	67-125	4	25	
71-43-2	Benzene	40.8	40.3	40.9	**99**	**100**	73-128	1	25	
56-23-5	Carbon Tetrachloride	41.2	44.3	45.8	**108**	**111**	71-134	3	25	
110-82-7	Cyclohexane	84.0	88.1	90.7	**105**	**108**	71-118	3	25	
78-87-5	1,2-Dichloropropane	43.2	40.1	45.5	**93**	**105**	68-121	12	25	
75-27-4	Bromodichloromethane	42.4	43.4	47.4	**102**	**112**	70-125	9	25	
79-01-6	Trichloroethene	41.2	39.5	43.3	**96**	**105**	68-124	9	25	
123-91-1	1,4-Dioxane	41.6	41.4	47.3	**100**	**114**	76-127	13	25	
142-82-5	n-Heptane	42.0	42.5	46.9	**101**	**112**	72-121	10	25	
10061-01-5	cis-1,3-Dichloropropene	42.0	45.1	44.6	**107**	**106**	87-137	0.9	25	
108-10-1	4-Methyl-2-pentanone	84.0	87.1	85.4	**104**	**102**	67-137	2	25	
10061-02-6	trans-1,3-Dichloropropene	39.2	41.1	41.8	**105**	**107**	73-127	2	25	
79-00-5	1,1,2-Trichloroethane	43.6	44.1	45.2	**101**	**104**	71-119	3	25	
108-88-3	Toluene	43.2	40.1	39.9	**93**	**92**	64-121	1	25	
591-78-6	2-Hexanone	81.6	85.2	80.6	**104**	**99**	70-136	5	25	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

Client: **Stantec Consulting Group, Inc.**
Client Sample ID: **Duplicate Lab Control Sample** ALS Project ID: P2304974
Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200** ALS Sample ID: P231027-DLCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Topacio Zavala Date Analyzed: 10/27/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount LCS / DLCS µg/m³	Result LCS µg/m³	Result DLCS µg/m³	% Recovery LCS	% Recovery DLCS	ALS Acceptance Limits	RPD	RPD Limit	Data Qualifier
124-48-1	Dibromochloromethane	40.8	42.6	42.0	**104**	**103**	67-128	1	25	
106-93-4	1,2-Dibromoethane	41.2	41.3	39.7	**100**	**96**	69-129	4	25	
127-18-4	Tetrachloroethene	42.8	40.6	41.2	**95**	**96**	55-132	1	25	
108-90-7	Chlorobenzene	42.8	39.1	41.0	**91**	**96**	63-124	5	25	
100-41-4	Ethylbenzene	43.6	43.0	42.0	**99**	**96**	64-119	3	25	
179601-23-1	m,p-Xylenes	85.6	82.8	82.4	**97**	**96**	64-121	1	25	
75-25-2	Bromoform	43.6	43.8	45.6	**100**	**105**	63-132	5	25	
100-42-5	Styrene	42.4	42.0	42.7	**99**	**101**	71-125	2	25	
95-47-6	o-Xylene	43.2	42.2	41.6	**98**	**96**	66-122	2	25	
79-34-5	1,1,2,2-Tetrachloroethane	43.2	41.3	40.0	**96**	**93**	71-128	3	25	
98-82-8	Cumene	41.6	40.5	40.7	**97**	**98**	66-126	1	25	
622-96-8	4-Ethyltoluene	41.2	44.8	43.3	**109**	**105**	67-128	4	25	
108-67-8	1,3,5-Trimethylbenzene	43.2	46.0	44.3	**106**	**103**	66-125	3	25	
95-63-6	1,2,4-Trimethylbenzene	41.6	42.8	46.8	**103**	**113**	67-130	9	25	
100-44-7	Benzyl Chloride	82.8	89.0	97.1	**107**	**117**	58-151	9	25	
541-73-1	1,3-Dichlorobenzene	41.2	40.8	43.4	**99**	**105**	57-135	6	25	
106-46-7	1,4-Dichlorobenzene	41.6	39.8	44.0	**96**	**106**	56-129	10	25	
95-50-1	1,2-Dichlorobenzene	41.1	40.0	43.9	**97**	**107**	57-138	10	25	
120-82-1	1,2,4-Trichlorobenzene	85.6	80.3	92.0	**94**	**107**	50-137	13	25	
91-20-3	Naphthalene	40.4	35.4	42.0	**88**	**104**	50-157	17	25	
87-68-3	Hexachlorobutadiene	40.4	34.7	38.6	**86**	**96**	50-133	11	25	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

Client: **Stantec Consulting Group, Inc.** ALS Project ID: P2304974

Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200**

Method Blank Summary

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Lab File ID: 10272303.D

Analyst: Topacio Zavala Date Analyzed: 10/27/23

Sample Type: 6.0 L Summa Canister(s) Time Analyzed: 02:17

Test Notes:

Client Sample ID	ALS Sample ID	Lab File ID	Time Analyzed
Lab Control Sample	P231027-LCS	10272304.D	02:53
Duplicate Lab Control Sample	P231027-DLCS	10272305.D	03:29
IA-RANDO-1	P2304974-001	10272314.D	11:27
IA-RANDO-2	P2304974-002	10272315.D	12:04
IA-RANDO-4	P2304974-004	10272316.D	12:41
IA-RANDO-3	P2304974-003	10272326.D	19:16
AMB-RANDO-1	P2304974-005	10272327.D	19:53

Client: **Stantec Consulting Group, Inc.** ALS Project ID: P2304974

Client Project ID: **1071 Rt 31 Former Rando Machine Corporation Site / 195602768.200**

Internal Standard Area and RT Summary

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Lab File ID: 10272301.D

Analyst: Topacio Zavala Date Analyzed: 10/27/23

Sample Type: 6.0 L Summa Canister(s) Time Analyzed: 01:06

Test Notes:

		IS1 (BCM)			IS2 (DFB)			IS3 (CBZ)		
		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	24 Hour Standard	129279		7.32		543455		9.37		129062		14.87	
	Upper Limit	180991		7.65		760837		9.70		180687		15.20	
	Lower Limit	77567		6.99		326073		9.04		77437		14.54	
	Client Sample ID												
01	Method Blank	110602		7.30		487697		9.36		114374		14.87	
02	Lab Control Sample	125958		7.32		500053		9.37		128904		14.87	
03	Duplicate Lab Control Sample	111498		7.32		469647		9.36		117045		14.87	
04	IA-RANDO-1	108524		7.30		510733		9.36		134797		14.87	
05	IA-RANDO-2	108894		7.30		486961		9.35		119708		14.87	
06	IA-RANDO-4	113533		7.30		465743		9.36		107876		14.87	
07	IA-RANDO-3	133047		7.30		547727		9.36		136477		14.87	
08	AMB-RANDO-1	114224		7.30		476839		9.36		122936		14.87	
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = 0.33 minutes of internal standard RT
RT LOWER LIMIT = 0.33 minutes of internal standard RT

# Column used to flag values outside QC limits with an I.
I = Internal standard not within the specified limits.