

2019 PERIODIC REVIEW REPORT

for the

**95 AMES STREET SITE
City of Rochester
Monroe County, New York
NYSDEC Site Number: B8-0508-97-02**

Prepared for:

GRAY ROCK ROCHESTER, LLC
14150 Route 31
Savannah, New York 13146

Prepared by:

8232 Loop Road
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(315) 638-8587



200 North George Street
Rome, NY 13440
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Project No. 2018032

May 2020



INSPECTION REPORT

October 29, 2019

Mr. Joe Deatherage, P.E.
Senior Engineer
Wood Environment & Infrastructure Solutions, Inc.
2030 Falling Waters Rd., STE 300
Knoxville, TN 37922
Via email: Deatherage, Joe <joe.deatherage@woodplc.com>

Re: ABB Rochester - Former Taylor Instruments
 WO No. & PO No.: 3031152028.16
 Work site: 80 Ames St./215 Danforth St., Rochester, NY
 Inspection Report for Sub-slab Depressurization System

For work completed October 10, 2019

1. Conducted a visual inspection of the complete System (e.g., vent fan, piping, warning device, labeling on systems, etc.): **SATISFACTORY**
2. Conducted an inspection of all surfaces to which vacuum is applied: **SATISFACTORY**
3. Inspected all components for condition and proper operation: **SATISFACTORY**
4. Identify and repair any leaks: **NO LEAKS OBSERVED**
5. Inspect the exhaust or discharge point to verify that no air intakes have been located nearby:
NO AIR INTAKES WITHIN TEN FEET
6. Conduct an airstream velocity measurement: **SATISFACTORY**
7. Conduct pressure field extension testing (to ensure that the system is maintaining a vacuum beneath the entire slab): **SATISFACTORY**
8. Interview an appropriate occupant or owner seeking comments and observations regarding the operation of the System: **SATISFACTORY**

I certify that this system is effectively maintaining sub-slab depressurization.



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

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ATTACHMENT 2 - POST CONSTRUCTION SUMMARY

ATTACHMENT 3 - PHOTOGRAPHS

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ATTACHMENT 5 - INSTITUTIONAL AND ENGINEERING CONTROLS
CERTIFICATION FORM

EXECUTIVE SUMMARY

Plumley Engineering was retained by Gray Rock Rochester, LLC (Gray Rock) to prepare a Periodic Review Report (PRR) for 95 Ames Street in the City of Rochester, Monroe County, New York. The site consists of one parcel totaling approximately 14.5 acres and is currently vacant.

The site was utilized from approximately 1904 to 1993 by the former Taylor Instruments facility, a manufacturer of measuring instruments including thermometers and control systems. Onsite structures were demolished in 1995. Combustion Engineering, the site owner in 1997, entered into an Agreement with the New York State Department of Environmental Conservation (DEC) under the Voluntary Cleanup Program (VCP) to investigate and remediate the site. A Soil Management Plan (SMP) was prepared for the site by MACTEC Engineering and Consulting, Inc. in April 2005.

Gray Rock acquired the site from ABB, Inc. in August 2018. ABB maintained responsibility for the monitoring and inspections required under the 2011 Operations, Maintenance and Monitoring (OM&M) Manual as part of the ownership transfer and retained Wood Environment & Infrastructure Solutions, Inc. (Wood) to perform these services. Wood submitted the 2019 Annual Progress Report, which included the groundwater monitoring results, to the DEC on January 17, 2020. Refer to *Attachment 1 – 2019 Annual Progress Report* for additional information.

Rochester Gas and Electric Corporation (RG&E) installed three tower structures as part of a new high voltage electric transmission line (part of the larger Rochester Area Reliability Project) in October and November of 2019. LaBella Associates, D.P.C. (LaBella) was retained to prepare a work plan consistent with the approved March 2019 Excavation Work Plan and provide oversight during the site activities. Upon completion of the site work, LaBella prepared the January 2020 *Post Construction Summary of Utility Structure Foundation Installation at the Former Taylor Instruments Facility*, which includes:

- A summary of the work performed.

- An updated site plan showing the locations of the new utility poles.
- Construction details for each new structure.
- A list of waste streams and volumes generated, waste characterization data and disposal documentation.
- Community air monitoring data.
- Post-installation inspection of the cover system and description of any repairs needed, repairs completed and repairs that are pending.

Refer to *Attachment 2 – Post Construction Summary*, *Attachment 3 – Photographs* and *Attachment 4 – Imported Fill Information* for additional information.

As detailed in this PRR, all requirements for the site for this reporting period have been met. Refer to *Attachment 5 – Institutional and Engineering Controls Certification Form* for additional information.

INTRODUCTION AND OVERVIEW

Plumley Engineering was retained by Gray Rock to prepare this PRR for 95 Ames Street in the City of Rochester, Monroe County, New York (the site). The site consists of one parcel totaling approximately 14.5 acres and is currently vacant.

PRRs are required by the DEC to verify adherence to the requirements outlined in the OM&M Manual. This PRR covers the period of February 14, 2019 to February 14, 2020.

The site was utilized from approximately 1904 to 1993 by the former Taylor Instruments facility, a manufacturer of measuring instruments including thermometers and control systems. Onsite structures were demolished in 1995. Combustion Engineering, the site owner in 1997, entered into an Agreement with the DEC under the VCP to investigate and remediate the site. Remedial activities included cleaning onsite storm sewers, excavation and offsite disposal of shallow soils, implementation of a dual-phase vapor extraction (DPVE) system to remediate volatile organic compounds (VOCs) in deeper soils and groundwater, and installation of a groundwater treatment system. Institutional controls and engineering controls (ICs/ECs) were also implemented and included:

- A deed restriction.
- Compliance with the SMP.
- A sub-slab depressurization system (SSDS) at the 80 Ames Street residence.
- An asphalt cap.
- The SSDS requirement for future buildings.

The Construction Completion Report (CCR) was approved by the DEC in 2011. The 2011 OM&M Manual required semi-annual groundwater monitoring, an annual site-wide inspection

and submission of PRRs. The DEC approved a reduction of the sampling schedule for the overburden wells from semi-annually to annually in 2017. Bedrock wells continue to be sampled twice per year.

Gray Rock Rochester, LLC, the current site Owner, acquired the site from ABB, Inc. in August 2018.

RG&E installed three structures as part of a new high voltage electric transmission line (part of the larger Rochester Area Reliability Project) in October and November of 2019. LaBella was retained to prepare a work plan consistent with the approved March 2019 Excavation Work Plan and provide oversight during the site activities. Upon completion of the site work, LaBella prepared the January 2020 *Post Construction Summary of Utility Structure Foundation Installation at the Former Taylor Instruments Facility*. Refer to *Attachment 2 – Post Construction Summary*, *Attachment 3 – Photographs* and *Attachment 4 – Imported Fill Information* for additional information.

REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

Remedial activities have included cleaning onsite storm sewers, excavation and offsite disposal of approximately 29,000 tons of impacted soils and implementation of a DPVE system and IC/ECs, including an asphalt cover.

Wood Environment & Infrastructure Solutions, Inc. performed the required groundwater monitoring for 2019 in accordance with the 2018 real estate agreement between Gray Rock Rochester, LLC and ABB, Inc. The results are detailed in the 2019 Annual Progress Report submitted to the Department on January 17, 2020.

INSTITUTIONAL / ENGINEERING CONTROL PLAN COMPLIANCE

The following ICs/ECs were stipulated for the site in the SMP:

- The property may be used for restricted commercial or industrial use.
- Future buildings are prohibited from having subsurface basements.
- Use of groundwater is restricted.
- Future buildings must have SSDSs.
- Any future development of the site must adhere to the 2005 SMP.
- Data and information pertinent to site management must be reported, per the requirements of the OM&M Manual.
- Access to the site must be provided to representatives of the State of New York with reasonable prior notice.
- Use of ICs/ECs must be continued.
- The asphalt cover must be maintained and any alternative cover material must be approved by the Department.

No IC/EC deficiencies were noted in this reporting period. No changes to the ICs/ECs are recommended.

MONITORING PLAN COMPLIANCE

The following monitoring requirements were stipulated for the site in the OM&M Plan:

- ***Groundwater Quality Monitoring:*** To be performed annually for overburden wells and semi-annually for bedrock wells.

- **Site-Wide Inspections:** To be performed during semi-annual groundwater monitoring events.

Monitoring results are documented in the 2019 Annual Progress Report.

CONCLUSIONS AND RECOMMENDATIONS

The requirements for the site for this reporting period have been met.

CERTIFICATION

For each institutional control identified for the site, I certify that all of the following statements are true:

- The institutional controls employed at this site are unchanged from the date the controls were put in place or last approved by the Department.
- Nothing has occurred that would impair the ability of the control to protect the public health and environment.
- Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control.
- Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control.
- If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document.
- Use of the site is compliant with the deed restriction.

- The information presented in this report is accurate and complete.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Jesse D. Plumley, P.E., of Plumley Engineering, P.C., 8232 Loop Road, Baldwinsville, New York 13027, am certifying as Gray Rock Rochester, LLC's Designated Site Representative for the site.



Signature

May 12, 2020

Date

ATTACHMENT 1

**2019 ANNUAL
PROGRESS REPORT**



January 17, 2020

Mr. Frank Sowers
Project Manager
NYSDEC
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, NY 14414-9516

Subject: **2019 Annual Progress Report
Voluntary Cleanup Agreement (VCA) Index B8-0508-97-02
Former Taylor Instruments Facility
Rochester, New York
Wood Project 3031152028**

Dear Mr. Sowers:

In accordance with Section X.I.B. of the Taylor Instruments Site Voluntary Cleanup Agreement, enclosed please find one hard copy and one electronic copy of the 2019 Annual Progress Report.

If you have any questions, please contact me at (865) 218-1049 or
joe.deatherage@woodplc.com.

Sincerely,

Wood Environment & Infrastructure Solutions, Inc.

Ricky A. Ryan, P.E.
Senior Principal

K. Joe Deatherage
Senior 2 Engineer/Project Manager

Enclosures

cc: Bernette Schilling, NYSDEC (w/o enclosure [electronic])
John Frazer, MCDOH (w/o enclosure)
Justin Deming, NYSDOH (w/ 1 electronic enclosure)
Rick Podlaski, Thermo Fisher Scientific (w/ 1 electronic enclosure)
Melody Christopher, ABB (w/ 1 hard copy + electronic enclosure)
Vance Litz, ABB (w/ 1 electronic enclosure)
Nelson Walter, Wood (w/o enclosure [electronic])

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2019 ANNUAL PROGRESS REPORT

FORMER TAYLOR INSTRUMENTS SITE

95 AMES STREET

ROCHESTER, NEW YORK

PREPARED FOR:

ABB, INC.
131 PHOENIX CROSSING
BLOOMFIELD, CT 06002

PREPARED BY:

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.
2030 FALLING WATERS ROAD, SUITE 300
KNOXVILLE, TN 37922

WOOD PROJECT 3031152028

January 2020

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Rochester, New York

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Table 3 Summary of VOC Results for Existing Overburden Wells for the 2000-2019 Sampling Events
Table 4 Summary of VOC Results for Existing Bedrock Wells for the 2000-2019 Sampling Events

LIST OF ACRONYMS

µg/L	micrograms per liter
µmole/L	micromoles per liter
3DMe®	3-D Microemulsion®
COC	contaminant of concern
1,1-DCE	1,1-dichloroethene
cis-1,2-DCE	cis-1,2-dichloroethene
trans-1,2-DCE	trans-1,2-dichloroethene
EPA	Environmental Protection Agency
Gray Rock	Gray Rock Rochester, LLC
MS	matrix spike
MS/MSD	matrix spike/matrix spike duplicate
NYSDEC	New York State Department of Environmental Conservation
OM&M	Operations, Maintenance, and Monitoring
PARCC	precision, accuracy, representativeness, completeness, and comparability
PCE	tetrachloroethene
PRR	Periodic Review Report
QC	quality control
RPD	relative percent difference
Site	former Taylor Instruments Site
TCE	trichloroethene
VOC	volatile organic compound
Wood	Wood Environment & Infrastructure Solutions, Inc.

1.0 INTRODUCTION

This annual progress report summarizes the results from groundwater sampling events conducted in May and October 2019. These activities occurred at the former Taylor Instruments Site – New York State Department of Environmental Conservation (NYSDEC) Site #828028a located at 95 Ames Street in Rochester, New York (Figure 1 in Appendix A), pursuant to a Voluntary Cleanup Agreement (NYSDEC, 1997). The 2019 groundwater sampling events were the ninth year of sampling since Wood Environment & Infrastructure Solutions, Inc. (Wood) completed an expanded accelerated bioremediation application using 3-D Microemulsion® (3DMe®) in 2010 as the final required active Site remediation. This continued groundwater sampling is consistent with the objective stated in the approved *Revised Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System* (MACTEC, 2010) for an expanded accelerated bioremediation application followed by monitored natural attenuation as the final remedy for the Site. All activities described herein are also consistent with an assignable release for the Site, granted by the NYSDEC via letter dated September 2, 2005 (NYSDEC, 2005). In the same letter, NYSDEC approved previous remedial activities as implemented and determined that no further investigation or response would be required at the Site to render it safe for contemplated uses.

The Site owner, Gray Rock Rochester, LLC (Gray Rock), is responsible for certification of institutional and engineering controls as part of the Site Periodic Review Report (PRR). Gray Rock submitted the 2018 PRR to NYSDEC in March 2019.

The first semi-annual groundwater sampling event for 2019 was conducted in May and the second in October. A summary of the sampling event results from 2000-2019 are included in this report.

Following decommissioning of the remedial treatment system and selected monitoring wells in 2010, 14 monitoring wells remain on the Site, as shown in Figure 1 (Appendix A). Unless otherwise agreed to by NYSDEC, contaminant conditions will continue to be monitored until groundwater concentrations of the contaminants of concern (COCs) are at or below the NYSDEC Class GA Standards.

2.0 GROUNDWATER MONITORING

2.1 SCOPE OF WORK

Wood personnel performed the May and October sampling events to provide an inclusive set of groundwater analytical data for the 2019 reporting period. A March 30, 2017 letter from NYSDEC (NYSDEC, 2017) approved future sampling of overburden monitoring wells annually and bedrock monitoring wells semi-annually. Therefore, during the May sampling event of overburden and bedrock wells, 20 samples (14 primary and six quality control) were collected, while during the October sampling event of bedrock wells only, 12 samples (six primary and six quality control) were collected. The samples were submitted to Eurofins Test America, Inc. for volatile organic compound (VOC) analyses by U.S. Environmental Protection Agency (EPA) Method 8260C. As approved by NYSDEC in the revised 2011 *Operations, Maintenance, and Monitoring Manual* (MACTEC, 2011), the samples were analyzed for the six primary COCs remaining at the Site: tetrachloroethene (PCE); trichloroethene (TCE); cis-1,2-dichloroethene (cis-1,2-DCE); trans-1,2-dichloroethene (trans-1,2-DCE); 1,1- dichloroethene (1,1-DCE); and vinyl chloride. The results for the 2019 sampling events are presented in tables in Appendix B. Additionally, to further assess biological parameters supportive for contaminant degradation, selected samples collected during the May sampling event were also analyzed for methane/ethene by Method EPA RSK175. The methane/ethene samples were analyzed by Pace Analytical Energy Services, LLC. The results for these parameters are included in the laboratory reports in Appendix C. Data for dissolved oxygen, oxygen reduction potential, pH, and temperature were also collected in the field during the sampling events. All environmental samples, including field duplicates and matrix spike/matrix spike duplicate (MS/MSD) samples, were collected using a low-flow peristaltic pump at flow rates less than 400 milliliters per minute.

Analytical results from the 14 remaining Site wells are presented in Figures 2 and 3 (Appendix A). Laboratory reports and chain-of-custody forms for the 2019 samples are located in Appendix C. Purge and sample field data are presented in the field data records located in Appendix D.

2.2 SUMMARY OF RESULTS

This section presents the results of the groundwater sampling events conducted during 2019. The results summary focuses primarily on the most recent results for each location during the 2019 sampling events. Tables 1 and 2 (Appendix B) summarize the monitoring well locations with COCs exceeding NYSDEC Class GA Standards for overburden and bedrock monitoring wells, respectively. Tables 3 and 4 (Appendix B) show a historical summary of analytical results for all of the overburden and bedrock monitoring wells, respectively, shown on Figure 1 (Appendix A). Sample VOC results are also presented in "flag boxes" shown on Figures 2 and 3 (Appendix A), representing overburden monitoring wells and bedrock monitoring wells, respectively. Complete laboratory analytical data reports for the 2019 events are included in Appendix C. Well construction information is provided in Appendix E.

While certain COCs remain above the NYSDEC Class GA Standards, substantial declines of COC concentrations have been observed in all Site monitoring wells as compared to historical concentrations. As shown in Tables 1 and 2 (Appendix B), during the 2019 sampling events: PCE was not detected at any location above the NYSDEC Class GA Standard of 5 micrograms per liter (µg/L); TCE was detected above the NYSDEC Class GA Standard of 5 µg/L in the groundwater samples collected from three overburden monitoring wells and four bedrock monitoring wells; cis-1,2-DCE was detected above the NYSDEC Class GA Standard of 5 µg/L in the groundwater samples collected from six overburden monitoring wells and five bedrock monitoring wells; trans-1,2- DCE was detected above the NYSDEC Class GA Standard of 5 µg/L in the groundwater samples collected from two overburden monitoring well and three bedrock monitoring wells; 1,1- DCE was detected above the NYSDEC Class GA Standard of 5 µg/L in the groundwater samples collected from one bedrock monitoring well; and vinyl chloride was detected above the NYSDEC Class GA Standard of 2 µg/L in the groundwater samples collected from six overburden monitoring wells and five bedrock monitoring wells.

In South Source Area well OB-04, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride decreased significantly from May 2018 following recent increases, while in downgradient plume well OB-06 the mass remains near the historic low observed in May 2017. In downgradient perimeter well TW-04 all COCs remain non-detect for the third consecutive year, the first time this has occurred. The results from OB-06 and TW-04 demonstrate that the downgradient portion of the South Area contaminant plume remains stable.

In North Source Area well OB-08, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride decreased from May 2018 and remain well below historical concentrations. In North Source Area perimeter well TW-17, TCE, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride decreased significantly from May 2018 following recent increases. In perimeter well W-5, TCE is near a historic low concentration while

vinyl chloride is near a historic high, demonstrating that enhanced reducing conditions continue to be in effect. Downgradient perimeter well TW-20 has remained stable to declining since October 2014, while in downgradient perimeter well TW-09 COC concentrations are approaching their NYSDEC Class GA Standards, indicating that the North Source Area contaminant plume remains stable.

Decreases in contaminant mass have been noted in the affected overburden groundwater. Corresponding response in the bedrock groundwater has been slower. However, the combined contaminant mass of the bedrock wells has now decreased for three consecutive sampling events, from 53.1 micromoles per liter [μmole/L] in May 2018 to (35.9 μmole/L) in October 2019, representing a 32% decline. Additional evidence that the bedrock groundwater has been affected by the enhanced contaminant biodegradation in the overburden groundwater is former North Source Area bedrock well BR-15 where COCs have remained near or below the NYSDEC Class GA Standards since October 2015.

Nine years have passed since completion of the expanded accelerated bioremediation application using 3DMe® in 2010 as the final required active Site remediation. The downgradient portion of the overburden groundwater contaminant plume in the South Source Area has been stable for several years based on the results of OB-06 and TW-04. The downgradient overburden groundwater contaminant plume in the North Source Area is also demonstrating evidence of plume stability based on results of TW-09 and TW-20.

The May 2019 field parameter data indicate that conditions remain favorable for biodegradation based on the following:

- The average pH in the Site overburden wells is a neutral 7.0 in May 2019.
- The average oxygen reduction potential in the Site overburden wells is -42.5 millivolts.
- The average dissolved oxygen in the Site overburden wells is 0.45 milligrams per liter.
- Methane, an indicator of biological activity, is also very robust in Site overburden wells OB-06, TW-17, and W-5, ranging from 2,800 μg/L to 14,000 μg/L. Ethene, an indicator that complete anaerobic dechlorination of COCs is occurring, was detected at a moderate concentration in TW-17 (39 μg/L).

3.0 ANALYTICAL PROGRAM

Overall data quality is assessed by grouping particular data evaluation findings and reviewing them in terms of precision, accuracy, representativeness, completeness, and comparability (PARCC) criteria. Data generated during this monitoring period were evaluated for PARCC criteria after receipt of all analytical data.

3.1 PRECISION

Precision is a quantitative evaluation of the repeatability of a measurement. Precision of analytical measurements is determined by calculating the relative percent difference (RPD) between the two numerical values. For precision, the matrix spike (MS) is performed in duplicate, and the values from both analyses are evaluated. Comparison of results from duplicate field samples may also be indicative of overall precision of a data set. However, field duplicates may be influenced by sampling precision and are not as controlled as laboratory duplicates.

For quality control purposes, an MS and matrix spike duplicate (MSD) were taken for each set of 20 samples with a net result of one MS/MSD analysis for the May 2019 sampling event and one MS/MSD analysis for the October 2019 event. The evaluation of MS/MSD criteria was used to qualify the data. The evaluations of MS/MSD analyses are presented in the following tables.

BR-15 – May 2019

Analyte	MS Value (μg/L)	Recovery (%)	MSD Value (μg/L)	MSD Recovery (%)	RPD	Control Limits (%)	RPD Limit
1,1-Dichloroethene	21.60	108	22.23	111	3	54-150	17
cis-1,2-DCE	21.84	108	21.84	108	0	68-131	17
Tetrachloroethene	21.63	108	21.50	108	1	57-138	16
trans-1,2-DCE	20.30	102	20.70	104	2	59-143	16
Trichloroethene	22.20	108	22.76	111	2	63-135	17
Vinyl Chloride	22.48	112	23.05	115	2	57-150	17

BR-15 – October 2019

Analyte	MS Value (μg/L)	Recovery (%)	MSD Value (μg/L)	MSD Recovery (%)	RPD	Control Limits (%)	RPD Limit
1,1-Dichloroethene	20.12	101	18.54	93	8	74-123	30
cis-1,2-DCE	26.38	117	23.83	104	10	80-120	30
Tetrachloroethene	19.92	100	20.19	101	1	76-122	30
trans-1,2-DCE	21.75	109	19.24	96	12	79-120	30
Trichloroethene	22.72	101	21.68	95	5	77-120	30
Vinyl Chloride	23.86	96	23.76	95	0	62-138	30

2.3 POTENTIOMETRIC SURFACE

Associated with each monitoring event, a potentiometric surface map was generated to depict groundwater elevations for the overburden groundwater. AutoCAD 2018 was used to plot the maps, which are presented on Figures 4 and 6 in Appendix A. The program mathematically calculates contours based upon groundwater elevation measurements collected in the field. Figures 4 and 6 are generally comparable to past groundwater mapping, indicating that groundwater flow is generally to the northeast.

The bedrock water level data cannot readily be plotted due to the large variation in elevation heads. These variations are due to the fractured bedrock system. The head data appears to be bi-modally distributed possibly reflecting differing elevations of water bearing fractures. The historical absence of contaminants at the southwest corner of the Site and their presence in wells along the north and east Site perimeters also support the interpretation that bedrock groundwater flow beneath the two former source areas is generally towards the north/northeast. Bedrock water level elevations are presented on Figures 5 and 7 in Appendix A.

The RPDs did not exceed the National Functional Data Validation Guideline of 30 for water samples and demonstrate that MS/MSD analyses are within acceptable limits.

Field duplicate sampling followed the same sampling outline as MS/MSD analysis. One duplicate sample was collected for each set of 20 samples, resulting in one duplicate sample for the May 2019 and one duplicate sample for the October 2019 sampling event. Field duplicate precision is presented in the following tables.

W-5 – May 2019

Sample ID	Analyte	Practical Quantitation Limit	Sample Result (μg/L)	Flag	Duplicate Result (μg/L)	Flag	RPD
W-5	cis-1,2-Dichloroethene	1	112		114		1.8
	trans-1,2-Dichloroethene	1	10.6		10.5		0.9
	Trichloroethene	1	59.9		54.9		8.7
	Vinyl Chloride	1	65.6		66.7		1.7

BR-15 – October 2019

Sample ID	Analyte	Practical Quantitation Limit	Sample Result (μg/L)	Flag	Duplicate Result (μg/L)	Flag	RPD
BR-15	cis-1,2-Dichloroethene	1	2.99		3.17		5.8
	Trichloroethene	1	2.60		2.59		0.4
	Vinyl Chloride	1	4.71		4.59		2.6

Field duplicate precision was evaluated between the two data sets for detected compounds. The RPDs did not exceed the National Functional Data Validation Guideline of 30 for water samples.

3.2 ACCURACY

Accuracy is a quantitative measurement of agreement between an analytical result and the true value. Accuracy is determined by comparing known amounts of analytes, which are added to the sample prior to analysis, to the field analytical results. Accuracy is expressed as a percentage of recovery of the total amount of spiked analyte. For VOC analyses, each sample was spiked with surrogate compounds prior to analysis (and extraction), and chosen samples were spiked (in duplicate) with additional spikes (MS and MSD). Surrogate and MS/MSD recoveries evaluate accuracy and identify interferences from the sample matrix and were acceptable for VOC analysis for these sampling events.

3.3 REPRESENTATIVENESS

Representativeness is a qualitative measurement of the degree to which analytical results reflect the true concentrations of analytes that may (or not) be present in a sample. Representativeness of organic analytical results of true site conditions is evaluated using trip blanks, field blanks, method blanks, and rinsates from decontaminated sampling equipment. Target organic compounds in quality control (QC) samples may represent contamination during sampling or transportation of samples to the laboratory. Compliance with holding time and extraction criteria also assures representativeness of results.

One field blank for the May 2019 event and one field blank for the October 2019 event were analyzed to characterize the water source used during these sampling events. Distilled water was used by the field crews for field blanks. No target VOCs were detected in the field blanks.

No target VOCs were detected in the method blank in May 2019 or October 2019.

One trip blank was analyzed during the May 2019 and October 2019 sampling events as part of the VOC laboratory QC program. No target VOCs were detected in the trip blanks.

Equipment rinse samples were collected for each set of 20 samples, using distilled water to rinse field equipment, and analyzed for all target constituents. One rinsate blank was collected during the May 2019 event and the October 2019 event. No target VOCs were detected in the rinsate blanks.

Representativeness is considered complete due to the lack of target VOC detections in QC efforts.

3.4 COMPLETENESS

Completeness is a quantitative measurement of the usability of a data set. Completeness is defined as the percentage of data that satisfy validation criteria. Rejected data are not usable. Data qualified as estimated, however, is usable. Completeness goals were 100 percent for this report and are considered to be met.

3.5 COMPARABILITY

Comparability is a qualitative assessment of the confidence with which different data sets may be used to characterize a site. Comparability is a necessary criterion because sampling is often performed at different times and precision, accuracy, and representativeness are unique to each sampling event. Comparability between data generated at different times at a single site is evaluated by reviewing sample collection and handling procedures, sample matrix, and analytical methods used. Standardization of sampling protocols and analytical methods assures comparability as long as precision and accuracy criteria are satisfied for each data set. The overall analytical performance for this report was evaluated and is considered comparable to previous and future data sets.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A comparison of analytical data from the sampling events that occurred from 2001-2019 provides an evaluation of the Site remedial progress. The following overall conclusions and recommendations have been reached in this evaluation:

- Following shutdown of the remedial treatment system in 2006 and subsequent decommissioning in 2010, overall contaminant levels in the Site monitoring wells have not demonstrated significant rebound effects, and overall declines remain evident.
- While certain COCs remain above the NYSDEC Class GA Standards, substantial declines of COC concentrations have been observed in all Site monitoring wells as compared to historical concentrations. COCs in South Source Area downgradient perimeter well TW-04 were non-detect for the third consecutive year, the first time this has occurred, and have been below the NYSDEC Class GA Standards since May 2016. COCs in the North Source Area bedrock well BR-15 remain near or below the NYSDEC Class GA Standards since October 2015.
- In South Source Area well OB-04, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride decreased significantly from May 2018 following recent increases, while in downgradient plume well OB-06 the mass remains near the historic low observed in May 2017. In downgradient perimeter well TW-04 all COCs remain non-detect for the third consecutive year, the first time this has occurred. The results from OB-06 and TW-04 demonstrate that the downgradient portion of the South Area contaminant plume remains stable.
- In North Source Area well OB-08, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride decreased from May 2018 and remain well below historical concentrations. Downgradient perimeter well TW-20 has remained stable to declining since October 2014, while in downgradient perimeter well TW-09 COC concentrations are approaching their NYSDEC Class GA Standards, indicating that the North Source Area contaminant plume remains stable.
- The combined contaminant mass of the bedrock wells has decreased for three consecutive sampling events from (53.1 $\mu\text{mole/L}$) in May 2018 to (35.9 $\mu\text{mole/L}$) in October 2019, representing a 32% decline. Additional evidence that the bedrock groundwater has been affected by the enhanced contaminant biodegradation in the overburden groundwater is former North Source Area

bedrock well BR-15 where COCs have remained near or below the NYSDEC Class GA Standards since October 2015.

- Unless otherwise agreed to by NYSDEC, groundwater monitoring events will continue to be conducted semi-annually for the six bedrock wells and annually for the eight overburden wells. Groundwater samples will be analyzed for the six primary COCs remaining at the Site: PCE; TCE; cis-1,2-DCE; trans-1,2-DCE; 1,1-DCE; and vinyl chloride. These VOCs will be analyzed using EPA Method 8260C. Additionally, as detailed in the revised *OM&M Manual* (MACTEC, 2011), the groundwater samples will be analyzed for the full suite of 8260C constituents every five years (next event in May 2020) and prior to ending monitoring at any specified well.
- Results for future post-closure monitoring events will be provided to NYSDEC in subsequent annual reports.

MACTEC, 2010. *Revised Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System, Former Taylor Instruments Site, Rochester, New York*. June 11.

MACTEC, 2011. *Operations, Maintenance, and Monitoring Manual, Rev. 1, Former Taylor Instruments Site, Monroe County, New York*. Prepared for the New York State Department of Environmental Conservation (March).

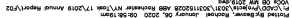
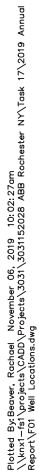
NYSDEC, 1997. Voluntary Cleanup Agreement Regarding the Taylor Instruments Site, Number B8-0508-97-02 (November).

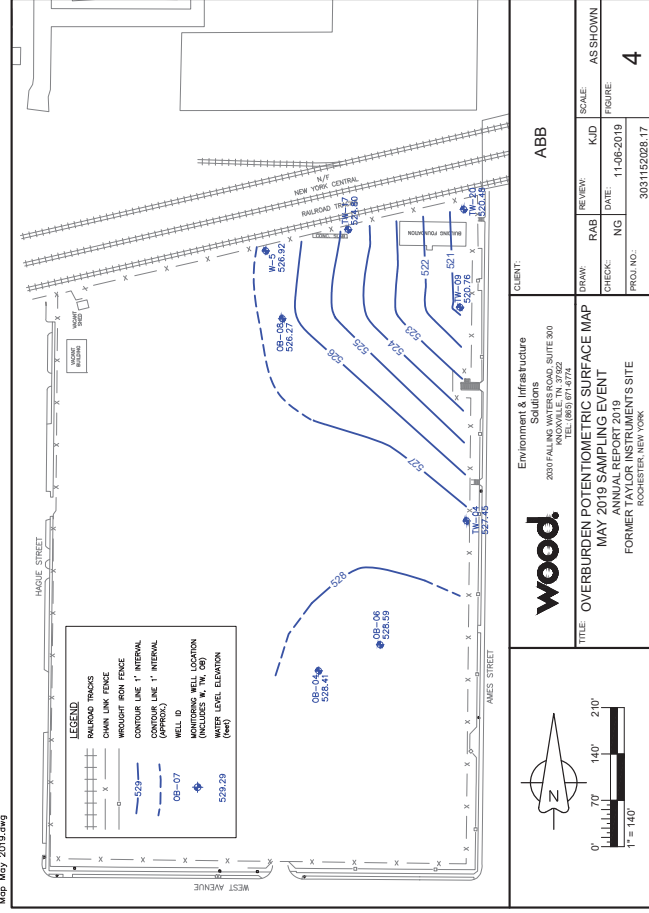
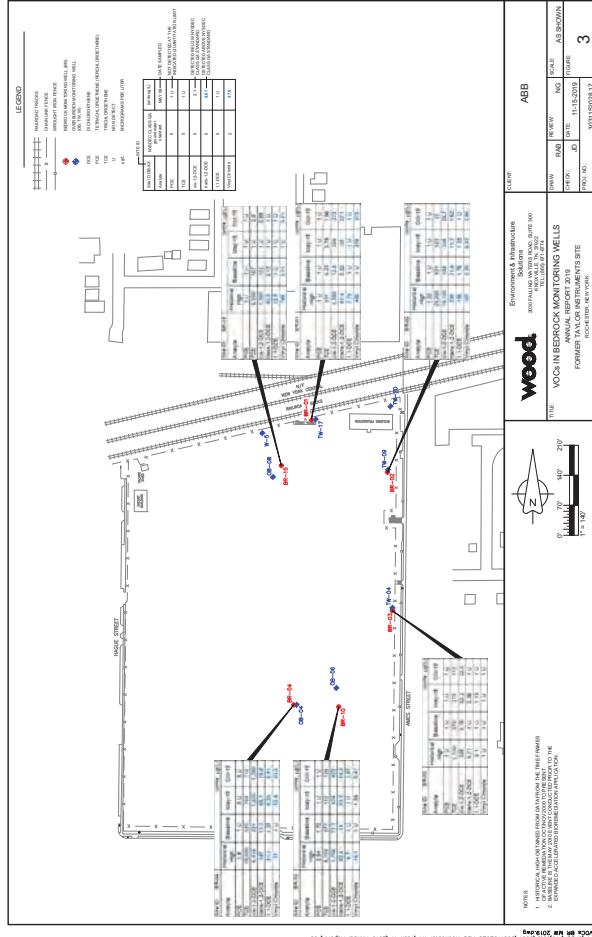
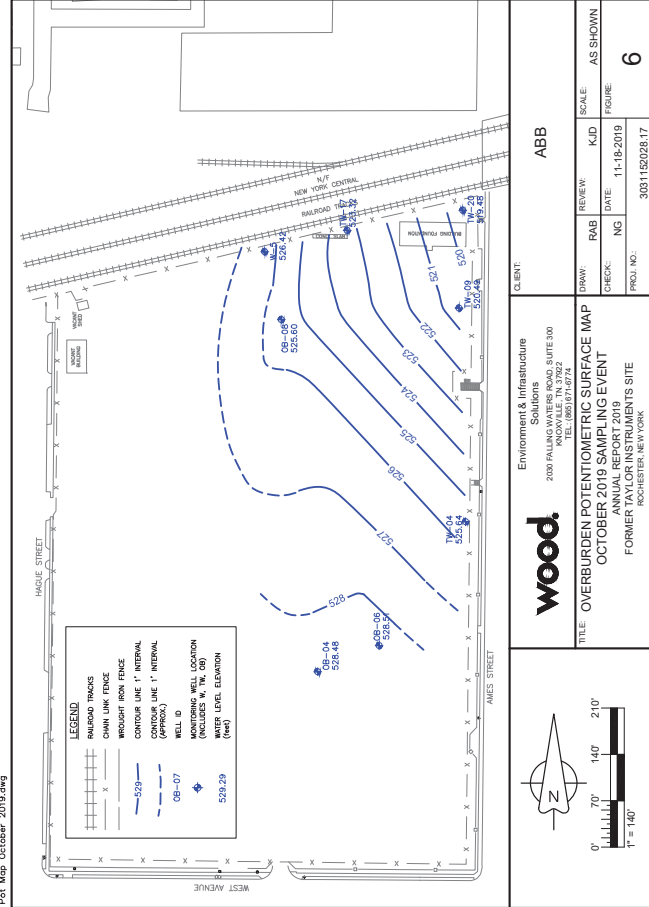
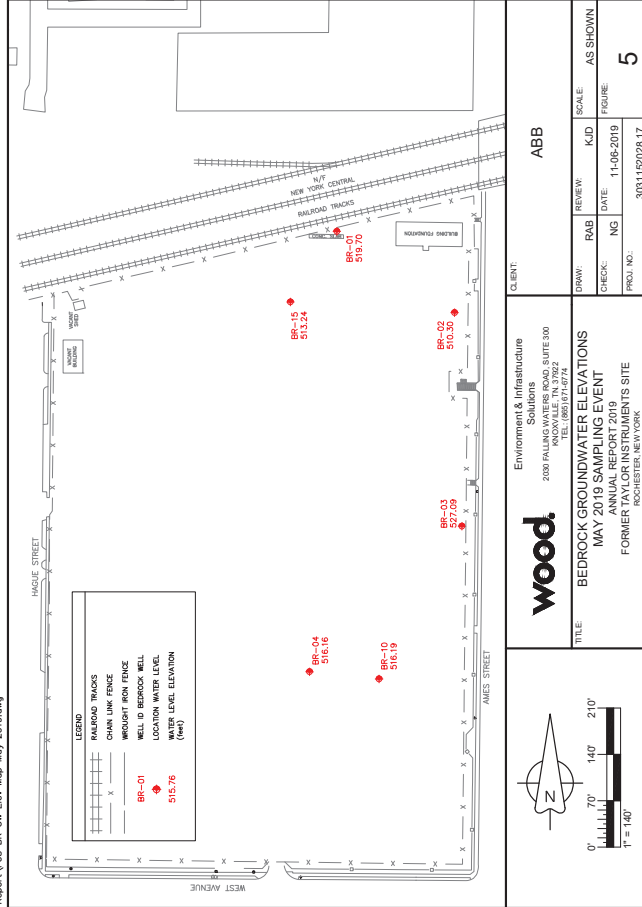
NYSDEC, 2005. Letter to Ms. Jean H. McCreary with Nixon Peabody LLC (September 2).

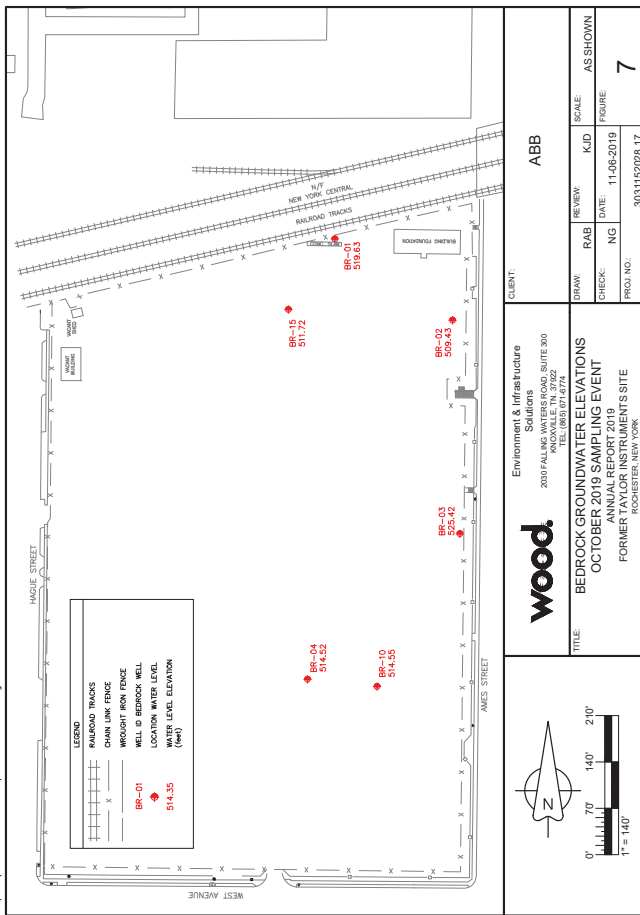
NYSDEC, 2017. *Site Management (SM) Periodic Review Report (PRR) Response Letter, Former Taylor Instruments Facility, Rochester, Monroe County, Site No. V00144*. March 30.

APPENDIX A

FIGURES







APPENDIX B TABLES

Table 1
Overburden Monitoring Wells with COCs Exceeding NYSDEC Class GA Standards May 2019

2019 Annual Progress
Report Former Taylor Instruments Site
Rochester, New York

COC	NYSDEC Class GA Standard	Monitoring Well						
		OB-04	OB-06	OB-08	TW-09	TW-17	TW-20	W-5
TCE	5	1 U	17.6	1 U	4.81	1 U	15.1	59.9
cis-1,2-DCE	5	985	17.2	6.43	6.51	50.7	3.17	112
trans-1,2-DCE	5	14.5	1.29	1.66	1 U	2.30	1 U	10.6
Vinyl Chloride	2	327	11.6	18.3	2.64	35.7	1 U	65.6

All concentrations are in micrograms per liter. Created by: NG on 10/16/2019

Overburden monitoring well TW-04 has no exceedances of NYSDEC Class GA Standards. Checked by: KJD on 11/14/2019

Notes: **Bold and shaded** values indicate detection exceeding NYSDEC Class GA Standards.

COC = contaminants of concern

DCE = dichloroethene

PCE = tetrachloroethene

TCE = trichloroethene

U = not detected at practical quantitation limit

Table 2
Bedrock Monitoring Wells with COCs Exceeding NYSDEC Class GA Standards October 2019

2019 Annual Progress
Report Former Taylor Instruments Site
Rochester, New York

COC	NYSDEC Class GA Standard	Monitoring Well					
		BR-01	BR-02	BR-03	BR-04	BR-10	BR-15
TCE	5	1.96	27.0	115	710	128	2.60
cis-1,2-DCE	5	372	28.7	32.2	1,200	429	2.99
trans-1,2-DCE	5	27.1	1.62	1 U	76.8	64.3	1 U
1,1-DCE	5	1 U	1 U	1 U	6.81	1.97	1 U
Vinyl Chloride	2	270	3.96	1 U	43.6	6.47	4.71

All concentrations are in micrograms per liter. Created by: NG on 11/01/2019

Checked by: KJD on 11/14/2019

Notes: **Bold and shaded** values indicate detection exceeding NYSDEC Class GA Standards.

COC = contaminants of concern

DCE = dichloroethene

PCE = tetrachloroethene

TCE = trichloroethene

U = not detected at practical quantitation limit

Table 3
Summary of VOC Results for Existing Overburden Wells for the 2000-2019 Sampling Events

2019 Annual Progress Report
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-04	11/19/00	--	70,000	2,900	--	--	--
OB-04	03/24/01	--	150	3.2 J	--	--	--
OB-04	06/18/01	--	39,000	21,000	--	--	--
OB-04	09/13/01	--	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-04	12/17/01	19.9	71,500	56,000	170	108	10.2
OB-04	03/12/02	12.9	65,600	1,640	16.6	3.8	--
OB-04	06/09/02	--	3,650	554	--	--	--
OB-04	09/23/02	1.8	3,760	1,950	7.5	4.9	2.0
OB-04	12/09/02	--	46.3	5.5	--	--	--
OB-04	03/22/03	--	11.3	1.3	--	--	--
OB-04	06/13/03	--	41.5	6.7	--	--	--
OB-04	09/21/03	6.0	2,780	125	1.9	--	--
OB-04	12/14/03	--	23.3	3.0	--	--	--
OB-04	06/19/04	--	394	87.2	1.3	--	--
OB-04	12/05/04	1.0	626	124	1.6	--	--
OB-04	06/26/05	--	367	141	2.4	--	--
OB-04	12/03/05	--	385	139	1.14	--	--
OB-04	07/20/06	--	252	153	1.56	--	--
OB-04	12/06/06	--	1,920	892	--	--	1.19
OB-04	05/03/07	--	618	399	3.19	--	--
OB-04	12/19/07	--	109	1,350	5.43	2.19	95.1
OB-04	05/05/08	--	125	875	5.72	1.60	145
OB-04	11/06/08	--	44.9	258	2.80	--	114
OB-04	05/06/09	--	28.9	102	2.27	--	21.7
OB-04	10/21/09	--	32.8	59.6	--	--	49.8
OB-04	05/12/10	--	5.76	5.69	1.77	--	9.74
OB-04	05/03/11	--	47.1	304	1.79	--	43.3
OB-04	11/01/11	--	5.68	51.1	2.51	--	33.2
OB-04	05/15/12	--	4.35	2.05	1.26	--	8.69
OB-04	10/30/12	--	3.94	2.31	--	--	4.25
OB-04	05/15/13	--	3.48	1.08	--	--	--
OB-04	11/13/13	--	2.95	--	--	--	2.44
OB-04	05/07/14	--	1.46	--	--	--	1.21
OB-04	10/28/14	--	--	--	--	--	4.25
OB-04	05/12/15	--	1.82	--	--	--	3.7
OB-04	10/27/15	--	2.36	--	--	--	7.3
OB-04	05/03/16	--	1.84	--	--	--	8.03
OB-04	10/25/16	--	1.97	2.52	1.18	--	17.6
OB-04	05/09/17	--	2.63	225	3.57	--	72.0
OB-04	05/08/18	--	1.60	1,730	32.4	4.68	549
OB-04	05/22/19	--	--	985	14.5	--	327

See notes at end of table

Table 3 (Continued) Summary of VOC Results for Existing Overburden Wells for the 2000-2019 Sampling Events							
2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-06	03/21/01	--	540	--	--	--	--
OB-06	06/15/01	--	720	12 J	--	--	--
OB-06	09/13/01	--	5,600	240	9.0 J	--	--
OB-06	12/13/01	--	637	13.7	--	--	--
OB-06	03/08/02	--	526	7.8	--	--	--
OB-06	06/07/02	--	184	2.8	--	--	--
OB-06	09/20/02	--	386	10.1	--	--	--
OB-06	12/06/02	--	100	1.5	--	--	--
OB-06	03/20/03	--	84.9	1.5	--	--	--
OB-06	06/11/03	--	52.7	1.1	--	--	--
OB-06	09/18/03	--	242	2.6	--	--	--
OB-06	12/11/03	--	60	1.0	--	--	--
OB-06	06/17/04	--	38.6	--	--	--	--
OB-06	12/02/04	--	31.9	1.4	--	--	--
OB-06	06/26/05	--	37.1	1.8	--	--	--
OB-06	12/02/05	--	117	4.71	--	--	--
OB-06	07/21/06	--	60.5	2.59	--	--	--
OB-06	12/10/06	--	87.8	2.69	--	--	--
OB-06	05/03/07	--	66.3	4.85	--	--	--
OB-06	12/12/07	--	82.9	3.31	--	--	--
OB-06	05/03/08	--	72.6	3.90	--	--	--
OB-06	11/05/08	--	89.8	4.82	--	--	--
OB-06	05/05/09	--	78.3	6.03	--	--	--
OB-06	10/20/09	--	121	12.6	--	--	--
OB-06	05/11/10	--	105	10.5	--	--	--
OB-06	05/03/11	--	60	77.4	--	--	--
OB-06	11/01/11	--	18.9	46.5	1.28	--	13.8
OB-06	05/15/12	--	25.4	7.56	--	--	2.72
OB-06	10/30/12	--	34.3	6.63	--	--	3.86
OB-06	05/15/13	--	40.1	7.5	--	--	2.56
OB-06	11/13/13	--	43.7	7.83	1.03	--	8.02
OB-06	05/07/14	--	36.5	6.80	--	--	2.51
OB-06	10/28/14	--	38.9	7.64	1.05	--	5.20
OB-06	05/12/15	--	22.9	5.14	--	--	3.26
OB-06	10/27/15	--	38.8	9.68	1.09	--	7.63
OB-06	05/03/16	--	40.4	10.6	1.30	1.60	8.50
OB-06	10/26/16	--	50.8	19.3	1.70	1.57	20.6
OB-06	05/10/17	--	3.26	2.93	--	--	6.84
OB-06	05/08/18	--	13.1	13.5	1.07	--	13.3
OB-06	05/22/19	--	17.6	17.2	1.29	1.27	11.6
OB-08	11/16/00	--	40,000	390 J	--	--	--
OB-08	03/20/01	--	29,000	390 J	--	--	--
OB-08	06/19/01	--	15,000	240 J	--	--	--
OB-08	03/12/02	13.1	15,750	208	8.6	2.7	--
OB-08	06/10/02	--	5,370	--	--	--	--
See notes at end of table							

B-3

Table 3 (Continued) Summary of VOC Results for Existing Overburden Wells for the 2000-2019 Sampling Events							
2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-08	09/24/02	9.4	5,440	110	3.6	--	--
OB-08	12/09/02	8.9	8,050	94.2	5.0	1.3	--
OB-08	03/24/03	5.1	3,480	37.3	2.2	--	--
OB-08	06/13/03	3.9	2,250	15.3	1.2	--	--
OB-08	09/22/03	2.6	2,780	32.1	3.1	--	--
OB-08	12/15/03	3.3	1,360	10.8	1.5	--	--
OB-08	06/20/04	2.9	725	13.1	2.5	--	--
OB-08	12/06/04	--	429	5.80	--	--	--
OB-08	06/29/05	1.3	570	3.3	--	--	--
OB-08	12/06/05	2.12	797	6.25	2.17	--	--
OB-08	07/21/06	2.13	890	7.85	3.91	--	--
OB-08	12/06/06	--	73.7	1,550	10.7	--	--
OB-08	05/03/07	--	2.48	3,750	29.6	12.7	3.08
OB-08	12/13/07	--	--	1,150	32.0	4.24	1.54
OB-08	05/05/08	--	--	41.4	8.07	--	47.8
OB-08	11/06/08	--	--	53.9	14.8	--	68.9
OB-08	05/06/09	--	--	42.5	10.2	--	83.8
OB-08	10/21/09	--	--	35.2	12.4	--	111
OB-08	05/12/10	--	--	30.5	3.44	--	36.0
OB-08	05/04/11	--	--	67.9	22.7	--	249
OB-08	11/02/11	--	--	--	15.5	--	4.73
OB-08	05/17/12	--	--	3.78	11.1	--	13.2
OB-08	10/31/12	--	--	--	11.2	--	3.15
OB-08	05/15/13	--	--	--	8.29	--	5.72
OB-08	11/14/13	--	--	--	2.44	--	--
OB-08	05/07/14	--	--	--	3.50	--	3.03
OB-08	10/28/14	--	--	--	9.57	--	--
OB-08	05/12/15	--	--	--	6.05	--	8.66
OB-08	10/27/15	--	--	--	5.47	--	--
OB-08	05/03/16	--	--	10.7	13.4	--	67.5
OB-08	10/26/16	--	--	--	3.72	--	3.29
OB-08	05/09/17	--	--	--	3.99	--	29.2
OB-08	05/08/18	--	--	18.6	7.49	--	81.5
OB-08	05/22/19	--	--	6.43	1.66	--	18.3
TW-04	10/24/00	--	42	79	--	--	--
TW-04	03/22/01	--	14	16	--	--	--
TW-04	06/15/01	--	--	--	--	--	--
TW-04	09/14/01	--	27	38	--	--	--
TW-04	12/13/01	--	51.1	19.4	--	--	--
TW-04	03/05/02	--	51	3.7	--	--	--
TW-04	06/04/02	--	20.7	--	--	--	--
TW-04	09/17/02	--	21.2	7.1	--	--	--
TW-04	12/04/02	--	42.5	5.5	--	--	--
TW-04	03/18/03	--	--	--	--	--	--
TW-04	06/10/03	--	19.3	--	--	--	--
See notes at end of table							

B-4

Table 3 (Continued) Summary of VOC Results for Existing Overburden Wells for the 2000-2019 Sampling Events							
2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
TW-04	09/16/03	--	29.2	3.1	--	--	--
TW-04	12/09/03	--	49.8	1.1	--	--	--
TW-04	06/15/04	--	12.7	--	--	--	--
TW-04	11/30/04	--	40.0	--	--	--	--
TW-04	06/24/05	--	9.20	1.7	--	--	--
TW-04	12/01/05	--	31.4	--	--	--	--
TW-04	07/18/06	--	27.9	--	--	--	--
TW-04	12/11/06	--	8.99	--	--	--	--
TW-04	05/03/07	--	4.86	--	--	--	--
TW-04	12/11/07	--	15.2	--	--	--	--
TW-04	05/03/08	--	4.40	--	--	--	--
TW-04	11/04/08	--	21.3	--	--	--	--
TW-04	05/04/09	--	4.78	--	--	--	--
TW-04	10/19/09	--	--	--	--	--	--
TW-04	05/11/10	--	5.32	--	--	--	--
TW-04	05/03/11	--	6.17	--	--	--	--
TW-04	11/01/11	--	8.9	2.44	--	--	--
TW-04	05/16/12	--	1.66	1.56	--	--	--
TW-04	10/31/12	--	--	2.85	--	--	--
TW-04	05/14/13	--	--	1.13	--	--	--
TW-04	11/13/13	--	--	6.87	--	--	--
TW-04	05/07/14	--	--	2.08	--	--	--
TW-04	10/28/14	--	--	8.24	--	--	--
TW-04	05/12/15	--	--	1.84	--	--	--
TW-04	10/27/15	--	--	5.18	--	--	--
TW-04	05/03/16	--	--	--	--	--	--
TW-04	10/25/16	--	--	2.67	--	--	--
TW-04	05/09/17	--	--	--	--	--	--
TW-04	05/08/18	--	--	--	--	--	--
TW-04	05/21/19	--	--	--	--	--	--
TW-09	10/24/00	--	230	36	--	--	--
TW-09	03/27/01	--	120	1.9 J	--	--	--
TW-09	06/16/01	--	200	7.4	--	--	--
TW-09	09/16/01	--	150	9.6	--	--	--
TW-09	12/15/01	--	110	4.0	--	--	--
TW-09	03/06/02	--	55.4	2.0	--	--	--
TW-09	06/05/02	--	36.5	--	--	--	--
TW-09	09/19/02	--	91.5	4.0	--	--	--
TW-09	12/05/02	--	38	--	--	--	--
TW-09	03/19/03	--	--	--	--	--	--
TW-09	06/11/03	--	29.4	--	--	--	--
TW-09	09/17/03	--	77	6.4	--	--	--
TW-09	12/10/03	--	36.8	1.2	--	--	--
TW-09	06/16/04	--	43.1	1.0	--	--	--
TW-09	12/02/04	--	46.2	2.4	--	--	--
See notes at end of table							

B-5

Table 3 (Continued) Summary of VOC Results for Existing Overburden Wells for the 2000-2019 Sampling Events							
2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
TW-09	06/24/05	--	48.2	1.7	--	--	--
TW-09	12/05/05	--	45.0	1.48	--	--	--
TW-09	07/18/06	--	56.7	1.35	--	--	--
TW-09	12/06/06	--	34.3	2.60	--	--	--
TW-09	05/03/07	--	31.2	3.01	1.46	--	--
TW-09	12/13/07	--	29.8	1.28	--	--	--
TW-09	05/05/08	--	50.5	4.70	4.87	--	--
TW-09	11/06/08	--	71.2	12.6	12.0	--	--
TW-09	05/06/09	--	72.1	32.6	32.0	--	5.83
TW-09	10/21/09	--	82.9	34.4	34.6	--	--
TW-09	05/12/10	--	56.7	12.8	14.3	--	--
TW-09	05/03/11	--	4.13	2.28	--	--	--
TW-09	11/02/11	--	1.24	4.23	7.07	--	4.17
TW-09	05/16/12	--	1.18	1.11	2.99	--	6.26
TW-09	11/01/12	--	--	--	--	--	1.97
TW-09	05/14/13	--	4.05	2.91	5.58	--	--
TW-09	11/12/13	--	--	3.38	6.92	--	3.49
TW-09	05/07/14	--	6.06	4.15	3.47	--	9.03
TW-09	10/29/14	--	2.98	12.5	9.86	--	2.09
TW-09	05/13/15	--	16.4	18.7	11.8	--	12.9
TW-09	10/28/15	--	8.18	38.9	20.8	--	9.81
TW-09	05/04/16	--	10.8	16.8	6.85	--	21
TW-09	10/26/16	--	5.31	3.20	1.07	--	6.90
TW-09	05/10/17	--	2.49	--	--	--	--
TW-09	05/08/18	--	7.03	25.2	10.9	--	13.5
TW-09	05/21/19	--	4.81	6.51	--	--	2.64
TW-17	11/17/00	--	1,000	7.9J	--	--	--
TW-17	03/23/01	--	530	--	--	--	--
TW-17	06/16/01	--	490	--	--	--	--
TW-17	09/14/01	--	740	--	--	--	--
TW-17	12/14/01	--	515	--	--	--	--
TW-17	03/05/02	--	339	--	--	--	--
TW-17	06/04/02	--	393	--	--	--	--
TW-17	09/18/02	--	666	--	--	--	--
TW-17	12/04/02	--	390	--	--	--	--
TW-17	03/18/03	--	379	--	--	--	--
TW-17	06/10/03	--	282	--	--	--	--
TW-17	09/16/03	--	435	--	--	--	--
TW-17	12/09/03	--	441	--	--	--	--
TW-17	06/15/04	--	280	--	--	--	--
TW-17	11/30/04	--	407	6.9	--	--	--
TW-17	06/24/05	--	340	1.0	--	--	--
TW-17	12/01/05	--	397	1.35	--	--	--
TW-17	07/18/06	--	410	2.04	--	--	--
TW-17	12/06/06	--	246	7.47	--	--	--
See notes at end of table							

Table 3 (Continued) Summary of VOC Results for Existing Overburden Wells for the 2000-2019 Sampling Events 2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
TW-17	05/02/07	--	253	5.87	--	--	--
TW-17	12/12/07	--	296	3.98	--	--	--
TW-17	05/04/08	--	477	4.19	--	--	--
TW-17	11/05/08	--	270	110	--	--	--
TW-17	05/05/09	--	332	6.46	--	--	--
TW-17	10/20/09	--	94	199	5.92	--	--
TW-17	05/11/10	--	316	10.6	--	--	--
TW-17	05/05/11	--	205	115	--	--	--
TW-17	11/03/11	--	21.6	310	--	--	4.92
TW-17	05/16/12	--	2.16	156	--	--	6.28
TW-17	10/31/12	--	--	147	--	--	2.66
TW-17	05/16/13	--	2.63	556	1.22	--	39.3
TW-17	11/14/13	--	--	240	--	--	130
TW-17	05/08/14	--	1.38	112	4.21	--	48.0
TW-17	10/29/14	--	--	1.51	--	--	4.80
TW-17	05/13/15	--	--	2.74	--	--	2.1
TW-17	10/29/15	--	1.83	6.59	--	--	3.0
TW-17	05/03/16	--	13.5	170	2.95	--	84.4
TW-17	10/26/16	--	1.07	24.2	--	--	4.26
TW-17	05/10/17	--	35.4	192	4.33	--	84.5
TW-17	05/09/18	--	78.7	754	23.9	2.02	195
TW-17	05/22/19	--	--	50.7	2.30	--	35.7
TW-20	10/25/00	--	5.2	--	--	--	--
TW-20	03/27/01	--	12	--	--	--	--
TW-20	06/16/01	--	2.9 J	--	--	--	--
TW-20	09/14/01	--	--	--	--	--	--
TW-20	12/14/01	--	3.1	--	--	--	--
TW-20	03/06/02	--	2.4	--	--	--	--
TW-20	09/18/02	--	--	--	--	--	--
TW-20	12/04/02	--	11.6	--	--	--	--
TW-20	03/19/03	--	2.4	--	--	--	--
TW-20	06/10/03	--	--	--	--	--	--
TW-20	09/17/03	--	5.0	--	--	--	--
TW-20	12/10/03	--	14.8	--	--	--	--
TW-04	06/15/04	--	--	--	--	--	--
TW-20	12/01/04	--	--	--	--	--	--
TW-20	06/24/05	--	1.5	--	--	--	--
TW-20	12/01/05	--	6.32	--	--	--	--
TW-20	07/18/06	--	12.0	--	--	--	--
TW-20	12/06/06	--	13.2	--	--	--	--
TW-20	05/02/07	--	8.28	--	--	--	--
TW-20	12/11/07	--	4.58	--	--	--	--
TW-20	05/02/08	--	4.50	--	--	--	--
TW-20	11/04/08	--	23.0	3.47	--	--	--
TW-20	05/04/09	--	25.2	1.55	--	--	--
See notes at end of table							

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Table 3 (Continued) Summary of VOC Results for Existing Overburden Wells for the 2000-2019 Sampling Events 2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
TW-20	10/19/09	--	78.8	5.50	--	--	--
TW-20	05/11/10	--	65.9	2.34	--	--	--
TW-20	05/04/11	--	65	2.86	--	--	--
TW-20	11/02/11	--	88.8	8.3	--	--	--
TW-20	05/17/12	--	80.8	4.58	--	--	--
TW-20	11/01/12	--	107	4.11	--	--	--
TW-20	05/16/13	--	72.3	3.14	--	--	--
TW-20	11/14/13	--	56.6	1.73	--	--	--
TW-20	05/08/14	--	48.4	4.48	--	--	--
TW-20	10/29/14	--	6.11	--	--	--	--
TW-20	05/13/15	--	30.2	2.25	--	--	--
TW-20	10/28/15	--	27.3	--	--	--	--
TW-20	05/04/16	--	26.3	--	--	--	--
TW-20	10/26/16	--	18.6	--	--	--	--
TW-20	05/10/17	--	19.2	1.99	--	--	--
TW-20	05/08/18	--	19.9	2.89	--	--	--
TW-20	05/21/19	--	15.1	3.17	--	--	--
W-5	11/16/00	--	--	27	11	--	--
W-5	03/23/01	--	120	25	8.1	--	--
W-5	06/18/01	--	62	23	9.6	--	--
W-5	09/17/01	--	64	9.1	6.5	--	--
W-5	12/17/01	--	1,435	39.5	9.0	--	--
W-5 (DUP)	12/17/01	--	1,780	36.2	8.5	--	--
W-5	03/07/02	--	737	21.6	3.5	--	--
W-5 (DUP)	03/07/02	--	607	23.2	3.9	--	--
W-5	06/06/02	--	155	15.7	--	--	--
W-5 (DUP)	06/06/02	--	150	13.8	--	--	--
W-5	09/19/02	--	960	49.6	--	--	--
W-5 (DUP)	09/19/02	--	676	48.5	4.7	--	--
W-5	12/05/02	--	777	52	3.6	--	--
W-5 (DUP)	12/05/02	--	843	51.7	4.0	--	--
W-5	03/20/03	--	262	132	3.4	--	--
W-5 (DUP)	03/20/03	--	232	119	3.3	--	--
W-5	06/11/03	--	234	128	5.0	--	--
W-5 (DUP)	06/11/03	--	234	152	5.1	--	--
W-5	09/18/03	--	510	129	4.0	--	--
W-5 (DUP)	09/18/03	--	444	112	3.9	--	--
W-5	12/11/03	--	550	127	3.5	--	--
W-5 (DUP)	12/11/03	--	520	118	3.4	--	--
W-5	06/16/04	--	348	98.9	5.4	--	--
W-5 (DUP)	06/16/04	--	360	71.6	4.6	--	--
W-5	12/02/04	--	569	125	4.7	--	--
W-5 (DUP)	12/02/04	--	725	89.4	4.4	--	--
W-5	06/25/05	--	381	98.2	3.7	--	--
W-5 (DUP)	06/25/05	--	380	93.2	3.5	--	--
See notes at end of table							

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Table 3 (Continued) Summary of VOC Results for Existing Overburden Wells for the 2000-2019 Sampling Events 2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
W-5	12/05/05	--	1,100	76.9	2.13	--	--
W-5 (DUP)	12/05/05	--	916	69.5	--	--	--
W-5	07/19/06	--	212	104	2.34	--	3.63
W-5 (DUP)	07/19/06	--	219	99.0	2.30	--	3.81
W-5	12/05/06	--	263	122	2.89	--	7.14
W-5	05/03/07	--	1,140	340	4.61	--	4.43
W-5 (DUP)	05/03/07	--	1,070	336	4.60	--	4.00
W-5	12/13/07	--	835	158	3.83	--	22.1
W-5 (DUP)	12/13/07	--	850	124	3.36	--	16.1
W-5	05/05/08	2.41	1,180	314	4.41	--	6.77 J
W-5 (DUP)	05/05/08	2.25	1,110	342	4.33	--	13.6 J
W-5	11/06/08	--	687	143	3.28	--	8.86
W-5 (DUP)	11/06/08	--	703	126	2.88	--	8.85
W-5	05/06/09	--	961	124	2.61	--	1.33
W-5 (DUP)	05/06/09	--	961	123	2.69	--	--
W-5	10/21/09	--	664	59.9	1.55	--	5.39 J
W-5 (DUP)	10/21/09	--	642	68.2	1.61	--	7.42
W-5	05/12/10	--	601	164	2.08	--	5.04
W-5 (DUP)	05/12/10	--	591	159	2.08	--	5.27
W-5	05/04/11	--	445	117	1.39	--	1.51
W-5 (DUP)	05/04/11	--	432	141	1.62	--	1.53
W-5	11/03/11	--	293	130	1.41	--	12.5
W-5 (DUP)	11/03/11	--	325	153	1.74	--	17.0
W-5	05/17/12	--	230	139	5.37	--	39.5
W-5 (DUP)	05/17/12	--	220	136	5.19	--	37.2
W-5	11/01/12	--	195	85	13.1	--	34.8
W-5 (DUP)	11/01/12	--	191	83.9	12.9	--	34.2
W-5	05/16/13	--	218	75	10.6	--	35.3
DUP-01	05/16/13	--	228	74.6	10.3	--	33.8
W-5	11/14/13	--	182	69.5	10.2	--	36.5
DUP-01	11/14/13	--	185	69.8	9.97	--	33.8
W-5	05/08/14	--	182	49.7	7.35	--	14.9
DUP-01	05/08/14	--	177	52.1	7.71	--	15.3
W-5	10/29/14	--	141	57.9	10.9	--	39.7
DUP-01	10/29/14	--	155	55.6	10.3	--	33.9
W-5	05/13/15	--	106	40.5	6.15	--	26.1
DUP-01	05/13/15	--	109	42.5	6.11	--	27.0
W-5	10/28/15	--	116	51.5	8.51	--	34.7
DUP-01	10/28/15	--	122	50.6	8.01	--	31.5
W-5	05/04/16	--	85.6	41.6	7.24	--	26.9
DUP-01	05/04/16	--	85.6	42.9	7.55	--	27.4
W-5	10/26/16	--	104	56.9	8.27	--	27.3
DUP-01	10/26/16	--	109	61.6	9.60	--	27.8
W-5	05/10/17	--	78.5	122	11.7	--	59.2
DUP-01	05/10/17	--	87.4	112	9.03	--	74.0
See notes at end of table							

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Table 3 (Continued) Summary of VOC Results for Existing Overburden Wells for the 2000-2019 Sampling Events 2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
W-5	05/09/18	--	45.9	104	13.4	--	78.3
DUP-01	05/09/18	--	44.3	104	13.1	--	80.6
W-5	05/22/19	--	59.9	112	10.6	--	65.6
DUP-01	05/22/19	--	54.9	114	10.5	--	66.7
Notes: -- = no detections µg/L = micrograms per liter 1,1-DCE = 1,1-dichloroethene cis-1,2-DCE = cis-1,2-dichloroethene trans-1,2-DCE = trans-1,2-dichloroethene DUP = duplicate ID = identification J = estimated value TCE = trichloroethene VOC = volatile organic compound							
Prepared by <u>NG</u> on <u>10/16/2019</u> Checked by <u>KJD</u> on <u>11/14/2019</u>							

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Table 4 Summary of VOC Results for Existing Bedrock Wells for the 2000-2019 Sampling Events 2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-01	11/17/00	--	180	550	4.3 J	--	3.5 J
BR-01	03/21/01	--	320	34	2.2 J	--	--
BR-01 (DUP)	03/21/01	--	320	35	2.4 J	--	--
BR-01	06/16/01	--	270	59	4.4 J	--	--
BR-01	09/14/01	--	31	170	16	--	--
BR-01	12/14/01	--	63.8	77.5	2.0	--	--
BR-01	03/09/02	--	47.3	5.5	1.6	--	--
BR-01	06/08/02	--	85.7	10.1	3.2	--	--
BR-01	09/20/02	--	107	16	4.0	--	--
BR-01	12/07/02	--	14.3	83	3.8	--	--
BR-01	03/21/03	--	25.8	2.1	1.0	--	--
BR-01	06/12/03	--	60.9	4.6	2.8	--	--
BR-01	09/19/03	--	102	11.4	1.7	--	--
BR-01	12/12/03	--	127	61.7	20.6	--	--
BR-01	06/18/04	--	551	42	6.1	--	--
BR-01	12/03/04	--	65	4.3	1.4	--	--
BR-01	06/26/05	--	199	6.5	1.0	--	--
BR-01	12/02/05	--	1.12	36.2	1.10	--	--
BR-01	07/19/06	--	--	3.09	--	--	--
BR-01	12/08/06	--	--	3.73	--	--	--
BR-01	05/02/07	--	67.5	10.6	--	--	--
BR-01	12/10/07	--	--	70.6	4.33	--	--
BR-01	05/02/08	--	4.19	10.7	1.63	--	--
BR-01	11/04/08	--	--	98.7	2.23	--	--
BR-01	05/04/09	--	3.26	11.3	1.95	--	--
BR-01	10/19/09	--	--	6.92	--	--	--
BR-01	05/11/10	--	9.23	12.8	2.02	--	--
BR-01	05/04/11	--	2.05	14.6	1.03	--	--
BR-01	11/03/11	--	--	41.6	--	--	3.61
BR-01	05/17/12	--	89.6	34.7	1.87	--	3.13
BR-01	10/31/12	--	--	29.6	--	--	7.88
BR-01	05/15/13	--	76.3	695	35.4	7.52	200
BR-01	11/14/13	--	111	1,470	34.4	6.87	406
BR-01	05/08/14	--	98.9	1,570	61.4	7.70	377
BR-01	10/29/14	--	86.9	1,590	56.6	7.62	320
BR-01	05/14/15	--	40.4	1,240	37.1	--	244
BR-01	10/29/15	--	31.8	906	39.8	4.03	244
BR-01	05/05/16	--	13.0	861	36.8	--	302
BR-01	10/27/16	--	10.9	787	30.0	2.50	158
BR-01	05/11/17	--	7.23	851	38.9	--	348
BR-01	11/01/17	--	6.08	772	47.6	--	345
BR-01	05/10/18	--	5.30	566	51.5	--	359
BR-01	10/24/18	--	7.30	553	30.8	--	300
BR-01	05/23/19	--	3.78	364	30.0	--	256
BR-01	10/10/19	--	1.96	372	27.1	--	270
See notes at end of table.							

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Table 4 (Continued) Summary of VOC Results for Existing Bedrock Wells for the 2000-2019 Sampling Events 2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-02	11/18/00	--	1,800	540	31 J	--	--
BR-02	03/21/01	--	1,200	95	--	--	--
BR-02	06/17/01	--	1,000	94	27 J	--	--
BR-02	09/15/01	--	7,000	1,500	63	31 J	--
BR-02	12/15/01	--	6,500	1,830	59.8	30.3	19.6
BR-02	03/09/02	--	588	79.6	20.8	1.2	--
BR-02	06/08/02	--	568	122	2.2	--	--
BR-02	09/21/02	--	768	518	24.4	4.6	18.7
BR-02	12/07/02	--	694	172	29.8	--	5.6
BR-02	03/21/03	--	4,000	19,100	154	156	64.9
BR-02	06/13/03	--	710	17,900	120	122	68.1
BR-02	09/18/03	--	372	245	23.3	--	--
BR-02	12/12/03	--	324	58.2	18.2	--	--
BR-02	06/18/04	--	450	257	33.8	2.8	2.3
BR-02	12/03/04	--	647	242	23.4	1.4	1.4
BR-02	06/27/05	--	163	29	9.1	--	--
BR-02	12/03/05	--	114	23.1	9.08	--	--
BR-02	07/19/06	--	120	16.9	8.29	--	--
BR-02	05/02/07	1.32	113	31.1	11.3	--	--
BR-02	12/10/07	--	409	118	15.2	1.26	--
BR-02	05/02/08	--	134	38.6	14.1	--	--
BR-02	11/04/08	--	153	74.2	14.0	--	--
BR-02	05/04/09	--	90.9	48.1	11.4	--	1.54
BR-02	10/19/09	--	88.1	142	20.5	1.00	1.19
BR-02	05/11/10	--	254	100	13.4	1.03	1.22
BR-02	05/04/11	--	821	186	21.9	1.76	2.25
BR-02	11/02/11	--	237	56.2	8.89	--	--
BR-02	05/16/12	--	2230	483	24.6	4.35	8.25
BR-02	11/01/12	--	5070	1100	49.4	8.67	22
BR-02	05/16/13	--	44.5	23.3	4.69	--	--
BR-02	11/13/13	--	904	169	12.6	1.61	2.3
BR-02	05/08/14	--	27	24.1	3.45	--	--
BR-02	10/29/14	--	25,200	5,860	238	46.4	103
BR-02	05/14/15	--	25.3	19.7	2.52	--	--
BR-02	10/29/15	--	506	167	7.23	--	3.41
BR-02	05/05/16	--	16.6	21.7	1.54	--	--
BR-02	10/27/16	--	196	335	15.3	2.59	12.6
BR-02	05/11/17	--	14.9	30.3	1.65	--	--
BR-02	10/31/17	--	89.7	77.1	3.33	--	3.45
BR-02	05/09/18	--	16.6	18.6	1.73	--	1.47
BR-02	10/24/18	--	616	263	13.7	--	5.16
BR-02	05/23/19	--	211	76.2	3.37	--	5.58
BR-02	10/09/19	--	523	304	11.7	1.35	9.02
BR-02	10/10/19	--	27.0	28.7	1.62	--	3.96
See notes at end of table.							

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Table 4 (Continued) Summary of VOC Results for Existing Bedrock Wells for the 2000-2019 Sampling Events 2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-03	11/18/00	--	440	99	1.2 J	2.2 J	--
BR-03	03/22/01	--	810	12 J	--	3.2 J	--
BR-03	06/15/01	--	500	20 J	--	--	--
BR-03	09/14/01	--	330	7.8 J	--	--	--
BR-03	12/13/01	--	780	7.6	--	2.2	--
BR-03	03/08/02	--	599	9.8	--	2.1	--
BR-03	06/07/02	--	854	19.7	--	2.8	--
BR-03	09/20/02	--	370	6.5	--	--	--
BR-03	12/07/02	--	821	13.5	--	--	--
BR-03	03/21/03	--	590	7.7	--	2.0	--
BR-03	09/18/03	--	632	25.3	1.9	3.0	--
BR-03	06/12/03	--	1,150	10.4	1.5	3.1	--
BR-03	12/12/03	--	--	--	--	--	--
BR-03	06/17/04	--	446	17.0	1.1	1.5	--
BR-03	12/03/04	--	60.6	27.0	--	1.0	--
BR-03	06/26/05	--	73.4	5.6	--	--	--
BR-03	12/02/05	--	5.57	21.0	--	--	--
BR-03	07/19/06	--	248	6.97	--	--	--
BR-03	12/08/06	--	29.7	27.3	--	--	--
BR-03	05/01/07	--	701	7.32	--	1.89	--
BR-03	12/11/07	--	35.4	21.8	--	--	--
BR-03	05/03/08	--	588	5.20	--	1.81	--
BR-03	11/04/08	--	61.8	4.61	--	--	--
BR-03	05/04/09	--	202	3.10	--	--	--
BR-03	10/19/09	--	365	29.3	1.02	2.05	--
BR-03	05/11/10	--	270	3.15	--	--	--
BR-03	05/03/11	--	52.5	75	--	--	--
BR-03	11/02/11	--	--	37.1	--	--	--
BR-03	05/16/12	--	573	43.4	1.18	1.89	--
BR-03	10/31/12	--	3.06	329	6.71	1.71	--
BR-03	05/16/13	--	596	23.2	4.92	1.83	--
BR-03	11/13/13	--	653	18.2	--	2.04	--
BR-03	05/08/14	--	519	15.3	1.66	1.72	--
BR-03	10/29/14	--	381	37.0	1.73	1.74	--
BR-03	05/14/15	--	353	40.6	1.12	1.40	--
BR-03	10/29/15	--	360	76.4	1.77	1.86	--
BR-03	05/04/16	--	225	79.1	1.19	1.58	--
BR-03	10/27/16	--	464	27.1	1.32	2.17	--
BR-03	05/10/17	--	352	97.4	3.57	2.05	--
BR-03	11/01/17	--	483	48.5	2.48	1.09	--
BR-03	05/09/18	--	370	50.7	1.19	1.28	--
BR-03	10/24/18	--	591	26.8	1.22	1.94	--
BR-03	05/23/19	--	275	82.2	2.36	1.13	--
BR-03	10/10/19	--	115	32.2	--	--	--
See notes at end of table.							

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Table 4 (Continued)							
Summary of VOC Results for Existing Bedrock Wells for the 2000-2019 Sampling Events							
2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-04	11/19/00	--	10,000	600	140	17 J	25 J
BR-04	03/24/01	--	9,000	400	95 J	--	--
BR-04	06/19/01	--	4,300	320	61 J	--	--
BR-04	09/17/01	--	5,000	420	100 J	--	--
BR-04	12/17/01	1.2	5,700	430	79.9	9.0	27.4
BR-04	03/12/02	--	5,750	384	77	8.1	23.4
BR-04	06/10/02	--	4,570	338	49	--	--
BR-04	09/23/02	--	3,310	551	63.1	8.3	32.2
BR-04	12/09/02	--	5,300	535	77.6	8.3	27.1
BR-04	03/23/03	1.8	4,630	473	52	6.8	14.8
BR-04	06/13/03	--	302	1,280	19.5	3.6	1.2
BR-04	09/21/03	--	2,540	560	61	5.4	32.2
BR-04	12/14/03	--	3,650	507	51.9	6.2	14.3
BR-04	06/19/04	--	102	1,420	45.8	6.4	3.0
BR-04	12/05/04	--	4,090	2,810	90.0	15.3	8.3
BR-04	06/28/05	--	6.6	937	22.5	1.6	1.2
BR-04	12/03/05	--	16.4	127	2.21	--	--
BR-04	07/20/06	--	3,940	6,410	147	21.3	12.9
BR-04	12/09/06	--	5.32	2,030	24.1	3.17	5.21
BR-04	05/01/07	--	56.9	446	12.7	1.09	--
BR-04	12/12/07	--	8.64	240	4.36	--	3.07
BR-04	05/04/08	--	332	647	17.7	2.83	1.37
BR-04	11/06/08	--	7.04	490	8.51	--	3.28
BR-04	05/06/09	--	498	163	10.9	1.59	--
BR-04	10/21/09	--	25.1	167	5.24	--	1.72
BR-04	05/12/10	--	325	321	11.7	1.37	--
BR-04	05/03/11	--	--	--	--	--	--
BR-04	11/01/11	--	4.29	5.02	--	--	--
BR-04	05/19/12	--	55.1	76.6	2.9	--	2.72
BR-04	10/13/12	--	4.9	4.77	--	--	--
BR-04	05/15/13	--	1,430	1,370	97.4	9.47	72.5
BR-04	11/15/13	--	1,338	1,320	66.9	9.96	77
BR-04	05/07/14	--	757	1,370	88.7	11.5	68.0
BR-04	10/29/14	--	514	955	77.4	9.33	55.1
BR-04	05/14/15	--	437	977	61.6	7.27	52.7
BR-04	10/29/15	--	331	661	64.9	7.78	46.2
BR-04	05/05/16	--	354	831	51.0	6.63	48.5
BR-04	10/27/16	--	441	972	81.9	9.15	62.0
BR-04	05/11/17	--	703	1,450	63.8	--	60.0
BR-04	11/01/17	--	933	1,490	104	--	59.6
BR-04	05/10/18	--	931	1,390	112	--	61.3
BR-04	10/24/18	--	921	1,380	88.2	8.24	51.9
BR-04	05/23/19	--	704	1,200	85.1	8.25	52.9
BR-04	10/01/19	--	710	1,200	76.8	6.81	43.6

See notes at end of table.

Table 4 (Continued) Summary of VOC Results for Existing Bedrock Wells for the 2000-2019 Sampling Events 2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-10	11/18/00	--	4,000	450	27 J	--	--
BR-10	03/28/01	--	4,700	980	110 J	--	--
BR-10	06/18/01	--	8,500	1,000	--	--	--
BR-10	09/17/01	--	8,700	1,700	160 J	--	--
BR-10	12/16/01	--	5,350	1,200	82.8	3.4	5.6
BR-10	03/11/02	--	3,745	1,090	78.2	3.9	5.5
BR-10	06/09/02	--	5,100	1,290	64.6	4.7	5.3
BR-10	09/22/02	--	--	120	9.8	--	--
BR-10	12/09/02	--	3,060	750	60.1	2.3	--
BR-10	03/22/03	--	2,580	886	42.2	2.5	3.1
BR-10	06/13/03	--	2,950	1,080	61.7	3.2	5.1
BR-10	09/21/03	--	2,250	400	49.4	2.0	16.1
BR-10	12/13/03	--	1,420	442	36.4	1.4	8.8
BR-10	06/19/04	--	1,520	507	62.9	2.9	6.8
BR-10	12/04/04	--	1,270	436	41.2	1.8	5.0
BR-10	06/27/05	1.3	558	166	17.3	--	1.3
BR-10	12/03/05	1.62	474	122	11.1	--	--
BR-10	07/20/06	--	52.3	12.2	1.53	--	--
BR-10	12/08/06	--	28.2	15.0	1.26	--	--
BR-10	05/02/07	1.01	226	57.8	5.87	--	--
BR-10	12/12/07	--	17.8	3.83	--	--	--
BR-10	05/04/08	2.94	357	94.6	10.7	--	1.40
BR-10	11/05/08	--	8.44	3.02	--	--	--
BR-10	05/05/09	1.67	235	66.1	10.3	--	--
BR-10	10/20/09	--	48	22	2.79	--	1.07
BR-10	05/11/10	1.72	277	77.3	14.0	--	--
BR-10	05/03/11	1.36	725	312	26.3	--	2.79
BR-10	11/01/11	1.35	417	231	25.3	--	2.87
BR-10	05/15/12	1.28	532	192	24	--	1.13
BR-10	10/31/12	--	7.28	2.21	--	--	--
BR-10	05/15/13	--	517	153	26	--	--
BR-10	11/12/13	1.76	444	173	29	1.11	2.17
BR-10	05/07/14	--	329	189	32.8	--	1.02
BR-10	10/29/14	1.33	345	299	46.2	1.49	2.72
BR-10	05/14/15	--	142	260	38.5	--	--
BR-10	10/29/15	--	201	343	56.5	1.61	3.04
BR-10	05/05/16	--	233	257	43.3	--	--
BR-10	10/27/16	1.19	154	345	50.1	1.50	2.11
BR-10	05/11/17	--	151	357	48.4	1.02	1.65
BR-10	11/01/17	--	168	413	56.2	--	3.64
BR-10	05/10/18	--	122	463	67.5	--	1.29
BR-10	10/24/18	--	164	436	55.1	--	5.44
BR-10	05/23/19	--	112	434	53.2	--	1.53
BR-10	10/10/19	--	128	429	64.3	1.97	6.47
See notes at end of table							

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APPENDIX C
LABORATORY REPORTS AND
CHAIN-OF-CUSTODY FORMS
(SEE ENCLOSED CD)

Table 4 (Continued) Summary of VOC Results for Existing Bedrock Wells for the 2000-2019 Sampling Events 2019 Annual Progress Report Former Taylor Instruments Site Rochester, New York							
Sample ID	Date Sampled	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-15	11/19/00	--	2,700	54 J	--	--	--
BR-15 (DUP)	11/19/00	--	2,700	49 J	--	--	--
BR-15	03/26/01	--	2,500	33 J	--	--	--
BR-15	06/18/01	--	2,300	49 J	--	--	--
BR-15	09/16/01	--	4,800	110 J	--	--	--
BR-15	12/16/01	--	6,590	169	28.2	2.0	1.1
BR-15	03/11/02	--	5,500	172	36.6	2.2	--
BR-15	08/09/02	--	5,800	373	36.9	4.6	3.8
BR-15	09/22/02	--	4,390	555	40.3	7.5	5.4
BR-15	12/08/02	--	4,740	177	43.6	2.8	--
BR-15	03/22/03	--	2,500	404	21.9	4.3	1.2
BR-15	06/13/03	--	1,180	1,390	24.8	8.4	3.9
BR-15	09/21/03	--	1,230	580	35.3	6.9	8.3
BR-15	12/13/03	--	2,000	194	24.9	2.8	--
BR-15	12/12/07	--	212	380	2.81	1.48	15.7
BR-15	05/04/08	--	43.4	449	2.94	1.38	28.2
BR-15	11/06/08	--	4.08	4.04	--	--	--
BR-15	05/06/09	--	261	105	1.33	--	6.40
BR-15	10/20/09	--	38.0	19.3	--	--	--
BR-15	05/12/10	--	167	123	2.12	--	3.11
BR-15	05/04/11	--	1.74	27.2	--	--	25.9
BR-15	11/02/11	--	1.01	8.81	--	--	10.8
BR-15	05/16/12	--	--	--	--	--	--
BR-15	11/01/12	--	--	--	--	--	--
BR-15	05/14/13	--	--	1.53	--	--	7.51
BR-15	11/12/13	--	--	--	1.02	--	8.9
BR-15	05/07/14	--	1.64	8.33	2.47	--	41.1
BR-15	10/28/14	--	--	1.28	1.77	--	11.3
BR-15	05/13/15	--	--	1.94	--	--	16.9
BR-15	10/28/15	--	--	--	--	--	2.2
BR-15	05/04/16	--	--	--	--	--	1.42
BR-15	10/25/16	--	--	--	--	--	3.0
BR-15	05/09/17	--	--	--	--	--	--
BR-15	10/31/17	--	2.43	5.22	--	--	4.06
DUP-01	10/31/17	--	2.33	5.70	--	--	5.20
BR-15	05/09/18	--	1.14	--	--	--	--
BR-15	10/23/18	--	2.29	2.33	--	--	1.56
DUP-01	10/23/18	--	2.51	2.54	--	--	1.62
BR-15	05/21/19	--	--	--	--	--	--
BR-15	10/09/19	--	2.60	2.99	--	--	4.71
DUP-01	10/09/19	--	2.59	3.17	--	--	4.59
Notes:		-- = no detections µg/L = micrograms per liter 1,1-DCE = 1,1-dichloroethene cis-1,2-DCE = cis-1,2-dichloroethene trans-1,2-DCE = trans-1,2-dichloroethene			DUP = duplicate ID = identification J = estimated value TCE = trichloroethene VOC = volatile organic compound		
					Prepared by <u>NG</u> On <u>10/12/2019</u> Checked by <u>KJD</u> on <u>11/14/2019</u>		

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MAY 2019
LABORATORY REPORTS AND
CHAIN-OF-CUSTODY FORMS



May 31, 2019

Ruth Welsh
Pace Analytical Energy Services, LLC
220 William Pitt Way
Pittsburgh, PA 15238

RE: Project: Former Taylor Instruments
Pace Project No.: 10476377

Dear Ruth Welsh:
Enclosed are the analytical results for sample(s) received by the laboratory on May 24, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ryan Thibault
ryan.thibault@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Ruth Welsh, Pace Analytical Energy Services, LLC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Former Taylor Instruments
Pace Project No.: 10476377

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
AZLA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #: 74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via AZLA 2926.01

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SAMPLE SUMMARY

Project: Former Taylor Instruments
Pace Project No.: 10476377

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10476377001	TW-04	Water	05/21/19 12:32	05/24/19 09:55
10476377002	0B-06	Water	05/22/19 08:45	05/24/19 09:55
10476377003	W-5	Water	05/22/19 13:45	05/24/19 09:55
10476377004	TW-17	Water	05/22/19 15:00	05/24/19 09:55

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SAMPLE ANALYTE COUNT

Project: Former Taylor Instruments
Pace Project No.: 10476377

Lab ID	Sample ID	Method	Analysts	Analyses Reported	Laboratory
10476377001	TW-04	RSK 175	AJR	2	PASI-M
10476377002	0B-06	RSK 175	AJR	2	PASI-M
10476377003	W-5	RSK 175	AJR	2	PASI-M
10476377004	TW-17	RSK 175	AJR	2	PASI-M

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PROJECT NARRATIVE

Project: Former Taylor Instruments
Pace Project No.: 10476377

Method: RSK 175
Description: RSK 175 GCV Headspace
Client: Pace Analytical Energy Services, LLC
Date: May 31, 2019

General Information:
4 samples were analyzed for RSK 175. All samples were received in acceptable condition with any exceptions noted below or on the chain-of-custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:
Analyte Comments:

QC Batch: 608450
E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- OB-06 (Lab ID: 10476377002)
- Methane
- TW-17 (Lab ID: 10476377004)
- Methane
- W-5 (Lab ID: 10476377003)
- Methane

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Former Taylor Instruments
Pace Project No.: 10476377

Sample: TW-04		Lab ID: 10476377001		Collected: 05/21/19 12:32		Received: 05/24/19 09:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 GCV Headspace		Analytical Method: RSK 175							
Methane	0.092	mg/L	0.010	1		05/26/19 12:27	74-82-8		
Ethene	ND	mg/L	0.010	1		05/26/19 12:27	74-85-1		

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Date: 05/31/2019 12:19 PM

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ANALYTICAL RESULTS

Project: Former Taylor Instruments
Pace Project No.: 10476377

Sample: OB-06		Lab ID: 10476377002		Collected: 05/22/19 08:45		Received: 05/24/19 09:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 GCV Headspace		Analytical Method: RSK 175							
Methane	8.2	mg/L	0.010	1		05/26/19 14:16	74-82-8	E	
Ethene	ND	mg/L	0.010	1		05/26/19 14:16	74-85-1		

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ANALYTICAL RESULTS

Project: Former Taylor Instruments
Pace Project No.: 10476377

Sample: W-5		Lab ID: 10476377003		Collected: 05/22/19 13:45		Received: 05/24/19 09:55		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 GCV Headspace		Analytical Method: RSK 175							
Methane	2.8	mg/L	0.010	1		05/26/19 14:23	74-82-8		E
Ethene	ND	mg/L	0.010	1		05/26/19 14:23	74-85-1		

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ANALYTICAL RESULTS

Project: Former Taylor Instruments
Pace Project No.: 10476377

Sample: TW-17		Lab ID: 10476377004	Collected: 05/22/19 15:00	Received: 05/24/19 09:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 GCV Headspace								
Analytical Method: RSK 175								
Methane	14.0	mg/L	0.010	1		05/26/19 14:30	74-82-8	E
Ethene	0.039	mg/L	0.010	1		05/26/19 14:30	74-85-1	

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QUALITY CONTROL DATA

Project: Former Taylor Instruments
Pace Project No.: 10476377

QC Batch:	608450	Analysis Method:	RSK 175
QC Batch Method:	RSK 175	Analysis Description:	RSK 175 GCV HEADSPACE
Associated Lab Samples: 10476377001, 10476377002, 10476377003, 10476377004			
METHOD BLANK: 3289090			
Associated Lab Samples: 10476377001, 10476377002, 10476377003, 10476377004			
Matrix: Water			

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethene	mg/L	ND	0.010	05/26/19 11:12	
Methane	mg/L	ND	0.010	05/26/19 11:12	

LABORATORY CONTROL SAMPLE & LCSD: 3289091			3289092							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethene	mg/L	0.11	0.10	0.11	99	101	85-115	2	20	
Methane	mg/L	0.061	0.058	0.059	95	97	85-115	2	20	

SAMPLE DUPLICATE: 3289394						
		20105059001	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Ethene	mg/L	ND	ND		20	
Methane	mg/L	221 ug/L	0.22	2	20	

SAMPLE DUPLICATE: 3289395						
		20105059002	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Ethene	mg/L	ND	ND		20	
Methane	mg/L	197 ug/L	0.17	13	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: Former Taylor Instruments
Pace Project No.: 10476377

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAP Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Taylor Instruments
Pace Project No.: 10476377

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10476377001	TW-04	RSK 175	608450		
10476377002	0B-06	RSK 175	608450		
10476377003	W-5	RSK 175	608450		
10476377004	TW-17	RSK 175	608450		

REPORT OF LABORATORY ANALYSIS

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	Document Number: Sample Upon Receipt Form Document No: F-MN-4-213-REV.28		Document Revised: 06/04/19 Page 1 of 1 Issuing Authority: Pace Minnesota Quality Office	
	Client Name: W608 E3 ES		Project #: WO#: 10476377	
	Courier: ☒ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Speedee ☐ Commercial ☐ See Exception		PH: KSK1 Due Date: 06/10/19 CLIENT: 11 ANEC-Earth	

Tracking Number: 7874 4491 0126	Customary Seal on Cooler/Box Present? ☒ Yes ☐ No	Seals Intact? ☒ Yes ☐ No	Biological Tissue Frozen? ☐ Yes ☒ No	Xenotransplant? ☐ Yes ☒ No
Packing Material: ☐ Bubble Wrap ☐ Ice Packs ☐ Dry Ice ☐ Other: DB	Temp Blank? ☒ Yes ☐ No			
Thermometer: ☐ T10451 ☐ T210334 ☐ T10455 ☐ T10454 ☐ T10489	Type of Ice: ☐ Dry ☐ Blue ☐ None ☐ Dry ☐ Mixed			

Note: Each West Virginia Sample must have temp taken (no temp blanks)

Temp should be above freezing at 0°C	Cooler Temp Read w/temp blank: 2.9 °C	Average Corrected Temp (no temp blank only): 2.9 °C	See Exception ☐
--------------------------------------	--	--	--

USDA Regulated Soil: ☐ N/A, water sample/Other: _____ Date/Initials of Person Examining Contents: **CC 5/24/19**

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, HI, IL, IN, LA, MS, NC, NM, NY, OK, OH, SC, TN, TX or VA (check map)? ☐ Yes ☒ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

COMMENTS:			
Chain of Custody Present and Filled Out?	☒ Yes ☐ No	☐ Yes ☐ No	1.
Chain of Custody Relinquished?	☐ Yes ☐ No	☐ Yes ☐ No	2.
Sampler Name and/or Signature on COC?	☒ Yes ☐ No	☐ Yes ☐ No	3.
Samples Arrived within Hold Time?	☐ Yes ☒ No	☐ Yes ☐ No	4.
Short Hold Time Analysis (<2 hr)?	☐ Yes ☒ No	☐ Yes ☐ No	5.
Rush Turn Around Time Requested?	☐ Yes ☒ No	☐ Yes ☐ No	6.
Sufficient Volume?	☒ Yes ☐ No	☐ Yes ☐ No	7.
Correct Containers used? -Pace Containers used?	☐ Yes ☒ No	☐ Yes ☐ No	8.
Containers Intact?	☒ Yes ☐ No	☐ Yes ☐ No	9.
Field Filled Volume Revisited for Dissolved Tests?	☐ Yes ☐ No	☒ N/A	10.
Is sufficient information available to reconcile the samples to the COC?	☒ Yes ☐ No	☐ Yes ☐ No	11.
Alarms: ☒ None ☐ Low ☐ High ☐ Other			
All containers needing acid/base preservation have been checked?	☐ Yes ☐ No	☒ N/A	12.
All containers needing preservation are found to be in compliance with EPA recommendations? (H ₂ O ₂ , H ₂ SO ₄ , <2pH, NaOH >9.5M, NaOH >12 Cyndel)	☐ Yes ☐ No	☒ N/A	13.
Exposures: ☒ CO2/Carbon, TOC/DOC Oil and Grease, ORD/BIS (water) and Dioxin/PAHs			
Fieldgate in VQA Vials (greater than 6mm)?	☐ Yes ☒ No	☐ Yes ☐ No	14.
Temp Blank Present?	☐ Yes ☒ No	☐ Yes ☐ No	15.
Is Blank Coldbox Seal Present?	☐ Yes ☒ No	☐ Yes ☐ No	16.

CLIENT NOTIFICATION/RESOLUTION Version Contacted: _____ Comments/Resolution: _____	Date/Time: _____ Field Data Required? ☐ Yes ☒ No
---	--

Project Manager Review: Date: 5/31/19	Labeled by: C6
--	-----------------------

(Note: Violations here, i.e. laboratory testing, N/A for compliance samples. A photo of this form will be sent to the North Carolina DEHAT Certification Office (N.C. state dehs) and used to allow violator to sue for damages.

Client: Wood E&I Solutions Inc	Laboratory Job ID: 490-174719-
Project/Site: Former Taylor Instruments	
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Sample Summary

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
490-174719-1	QAFB-01	Water	05/23/19 12:55	05/24/19 09:55	
490-174719-2	QARB-01	Water	05/23/19 13:00	05/24/19 09:55	
490-174719-3	QATB-01	Water	05/23/19 13:05	05/24/19 09:55	
490-174719-4	QATB-02	Water	05/23/19 13:10	05/24/19 09:55	
490-174719-5	TW-04	Water	05/21/19 12:32	05/24/19 09:55	
490-174719-6	TW-09	Water	05/21/19 13:50	05/24/19 09:55	
490-174719-7	TW-20	Water	05/21/19 14:45	05/24/19 09:55	
490-174719-8	BR-15	Water	05/21/19 17:25	05/24/19 09:55	
490-174719-9	OB-06	Water	05/22/19 08:45	05/24/19 09:55	
490-174719-10	OB-08	Water	05/22/19 10:00	05/24/19 09:55	
490-174719-11	OB-04	Water	05/22/19 12:10	05/24/19 09:55	
490-174719-12	W-5	Water	05/22/19 13:45	05/24/19 09:55	
490-174719-13	TW-17	Water	05/22/19 15:00	05/24/19 09:55	
490-174719-14	BR-02	Water	05/22/19 16:10	05/24/19 09:55	
490-174719-15	DUP-01	Water	05/22/19 01:01	05/24/19 09:55	
490-174719-16	BR-03	Water	05/23/19 08:25	05/24/19 09:55	
490-174719-17	BR-10	Water	05/23/19 09:33	05/24/19 09:55	
490-174719-18	BR-01	Water	05/23/19 10:47	05/24/19 09:55	
490-174719-19	BR-04	Water	05/23/19 12:13	05/24/19 09:55	

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Case Narrative

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Job ID: 490-174719-1

Laboratory: Eurofins TestAmerica, Nashville

Narrative

Job Narrative
490-174719-1

Comments

No additional comments.

Receipt

The samples were received on 5/24/2019 9:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.4° C and 5.2° C.

GC/MS VOA

Method(s) 8260C: The following sample was diluted due to the nature of the sample matrix: OB-04 (490-174719-11) and BR-04 (490-174719-19). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
=	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: QAFB-01

Lab Sample ID: 490-174719-1

Date Collected: 05/23/19 12:55

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 02:51	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 02:51	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 02:51	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 02:51	1
Trichloroethene	ND		1.00		ug/L			05/29/19 02:51	1
Vinyl chloride	ND		1.00		ug/L			05/29/19 02:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					05/29/19 02:51	1
4-Bromofluorobenzene (Surr)	97		70 - 130					05/29/19 02:51	1
Dibromofluoromethane (Surr)	99		70 - 130					05/29/19 02:51	1
Toluene-d8 (Surr)	102		70 - 130					05/29/19 02:51	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: QARB-01

Lab Sample ID: 490-174719-2

Date Collected: 05/23/19 13:00

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 03:18	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 03:18	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 03:18	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 03:18	1
Trichloroethene	ND		1.00		ug/L			05/29/19 03:18	1
Vinyl chloride	ND		1.00		ug/L			05/29/19 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130					05/29/19 03:18	1
4-Bromofluorobenzene (Surr)	98		70 - 130					05/29/19 03:18	1
Dibromofluoromethane (Surr)	101		70 - 130					05/29/19 03:18	1
Toluene-d8 (Surr)	105		70 - 130					05/29/19 03:18	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: QATB-01

Lab Sample ID: 490-174719-3

Date Collected: 05/23/19 13:05

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 03:45	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 03:45	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 03:45	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 03:45	1
Trichloroethene	ND		1.00		ug/L			05/29/19 03:45	1
Vinyl chloride	ND		1.00		ug/L			05/29/19 03:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					05/29/19 03:45	1
4-Bromofluorobenzene (Surr)	98		70 - 130					05/29/19 03:45	1
Dibromofluoromethane (Surr)	100		70 - 130					05/29/19 03:45	1
Toluene-d8 (Surr)	103		70 - 130					05/29/19 03:45	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: QATB-02

Lab Sample ID: 490-174719-4

Date Collected: 05/23/19 13:10

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 04:11	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 04:11	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 04:11	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 04:11	1
Trichloroethene	ND		1.00		ug/L			05/29/19 04:11	1
Vinyl chloride	ND		1.00		ug/L			05/29/19 04:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130					05/29/19 04:11	1
4-Bromofluorobenzene (Surr)	97		70 - 130					05/29/19 04:11	1
Dibromofluoromethane (Surr)	102		70 - 130					05/29/19 04:11	1
Toluene-d8 (Surr)	102		70 - 130					05/29/19 04:11	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: TW-04

Lab Sample ID: 490-174719-5

Date Collected: 05/21/19 12:32

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 04:38	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 04:38	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 04:38	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 04:38	1
Trichloroethene	ND		1.00		ug/L			05/29/19 04:38	1
Vinyl chloride	ND		1.00		ug/L			05/29/19 04:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					05/29/19 04:38	1
4-Bromofluorobenzene (Surr)	98		70 - 130					05/29/19 04:38	1
Dibromofluoromethane (Surr)	101		70 - 130					05/29/19 04:38	1
Toluene-d8 (Surr)	101		70 - 130					05/29/19 04:38	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: TW-09

Lab Sample ID: 490-174719-6

Date Collected: 05/21/19 13:50

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 05:05	1
cis-1,2-Dichloroethene	6.51		1.00		ug/L			05/29/19 05:05	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 05:05	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 05:05	1
Trichloroethene	4.81		1.00		ug/L			05/29/19 05:05	1
Vinyl chloride	2.64		1.00		ug/L			05/29/19 05:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 130					05/29/19 05:05	1
4-Bromofluorobenzene (Surr)	99		70 - 130					05/29/19 05:05	1
Dibromofluoromethane (Surr)	100		70 - 130					05/29/19 05:05	1
Toluene-d8 (Surr)	102		70 - 130					05/29/19 05:05	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: TW-20

Lab Sample ID: 490-174719-7

Date Collected: 05/21/19 14:45

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 05:32	1
cis-1,2-Dichloroethene	3.17		1.00		ug/L			05/29/19 05:32	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 05:32	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 05:32	1
Trichloroethene	15.1		1.00		ug/L			05/29/19 05:32	1
Vinyl chloride	ND		1.00		ug/L			05/29/19 05:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 130					05/29/19 05:32	1
4-Bromofluorobenzene (Surr)	99		70 - 130					05/29/19 05:32	1
Dibromofluoromethane (Surr)	100		70 - 130					05/29/19 05:32	1
Toluene-d8 (Surr)	101		70 - 130					05/29/19 05:32	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: BR-15

Lab Sample ID: 490-174719-8

Date Collected: 05/21/19 17:25

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 05:59	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 05:59	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 05:59	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 05:59	1
Trichloroethene	ND		1.00		ug/L			05/29/19 05:59	1
Vinyl chloride	ND		1.00		ug/L			05/29/19 05:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130					05/29/19 05:59	1
4-Bromofluorobenzene (Surr)	100		70 - 130					05/29/19 05:59	1
Dibromofluoromethane (Surr)	102		70 - 130					05/29/19 05:59	1
Toluene-d8 (Surr)	104		70 - 130					05/29/19 05:59	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: OB-06

Lab Sample ID: 490-174719-9

Date Collected: 05/22/19 08:45

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.27		1.00		ug/L			05/29/19 06:25	1
cis-1,2-Dichloroethene	17.2		1.00		ug/L			05/29/19 06:25	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 06:25	1
trans-1,2-Dichloroethene	1.29		1.00		ug/L			05/29/19 06:25	1
Trichloroethene	17.6		1.00		ug/L			05/29/19 06:25	1
Vinyl chloride	11.6		1.00		ug/L			05/29/19 06:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					05/29/19 06:25	1
4-Bromofluorobenzene (Surr)	97		70 - 130					05/29/19 06:25	1
Dibromofluoromethane (Surr)	101		70 - 130					05/29/19 06:25	1
Toluene-d8 (Surr)	105		70 - 130					05/29/19 06:25	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: OB-08

Lab Sample ID: 490-174719-10

Date Collected: 05/22/19 10:00

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 06:52	1
cis-1,2-Dichloroethene	6.43		1.00		ug/L			05/29/19 06:52	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 06:52	1
trans-1,2-Dichloroethene	1.66		1.00		ug/L			05/29/19 06:52	1
Trichloroethene	ND		1.00		ug/L			05/29/19 06:52	1
Vinyl chloride	18.3		1.00		ug/L			05/29/19 06:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					05/29/19 06:52	1
4-Bromofluorobenzene (Surr)	99		70 - 130					05/29/19 06:52	1
Dibromofluoromethane (Surr)	100		70 - 130					05/29/19 06:52	1
Toluene-d8 (Surr)	102		70 - 130					05/29/19 06:52	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: OB-04

Lab Sample ID: 490-174719-11

Date Collected: 05/22/19 12:10

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.00		ug/L			05/29/19 08:39	5
cis-1,2-Dichloroethene	985		5.00		ug/L			05/29/19 08:39	5
Tetrachloroethene	ND		5.00		ug/L			05/29/19 08:39	5
trans-1,2-Dichloroethene	14.5		5.00		ug/L			05/29/19 08:39	5
Trichloroethene	ND		5.00		ug/L			05/29/19 08:39	5
Vinyl chloride	327		5.00		ug/L			05/29/19 08:39	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130					05/29/19 08:39	5
4-Bromofluorobenzene (Surr)	98		70 - 130					05/29/19 08:39	5
Dibromofluoromethane (Surr)	99		70 - 130					05/29/19 08:39	5
Toluene-d8 (Surr)	102		70 - 130					05/29/19 08:39	5

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: W-5

Lab Sample ID: 490-174719-12

Date Collected: 05/22/19 13:45

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 07:19	1
cis-1,2-Dichloroethene	112		1.00		ug/L			05/29/19 07:19	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 07:19	1
trans-1,2-Dichloroethene	10.6		1.00		ug/L			05/29/19 07:19	1
Trichloroethene	59.9		1.00		ug/L			05/29/19 07:19	1
Vinyl chloride	65.6		1.00		ug/L			05/29/19 07:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130					05/29/19 07:19	1
4-Bromofluorobenzene (Surr)	97		70 - 130					05/29/19 07:19	1
Dibromofluoromethane (Surr)	100		70 - 130					05/29/19 07:19	1
Toluene-d8 (Surr)	104		70 - 130					05/29/19 07:19	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: TW-17

Lab Sample ID: 490-174719-13

Date Collected: 05/22/19 15:00

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 16:27	1
cis-1,2-Dichloroethene	50.7		1.00		ug/L			05/29/19 16:27	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 16:27	1
trans-1,2-Dichloroethene	2.30		1.00		ug/L			05/29/19 16:27	1
Trichloroethene	ND		1.00		ug/L			05/29/19 16:27	1
Vinyl chloride	35.7		1.00		ug/L			05/29/19 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 130					05/29/19 16:27	1
4-Bromofluorobenzene (Surr)	95		70 - 130					05/29/19 16:27	1
Dibromofluoromethane (Surr)	102		70 - 130					05/29/19 16:27	1
Toluene-d8 (Surr)	104		70 - 130					05/29/19 16:27	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: BR-02

Lab Sample ID: 490-174719-14

Date Collected: 05/22/19 16:10

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.35		1.00		ug/L			05/29/19 07:46	1
cis-1,2-Dichloroethene	304		1.00		ug/L			05/29/19 07:46	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 07:46	1
trans-1,2-Dichloroethene	11.7		1.00		ug/L			05/29/19 07:46	1
Trichloroethene	523		5.00		ug/L			05/29/19 18:15	5
Vinyl chloride	9.02		1.00		ug/L			05/29/19 07:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130					05/29/19 07:46	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 130					05/29/19 18:15	1
4-Bromofluorobenzene (Surr)	97		70 - 130					05/29/19 07:46	1
4-Bromofluorobenzene (Surr)	97		70 - 130					05/29/19 18:15	5
Dibromofluoromethane (Surr)	99		70 - 130					05/29/19 07:46	1
Dibromofluoromethane (Surr)	103		70 - 130					05/29/19 18:15	5
Toluene-d8 (Surr)	102		70 - 130					05/29/19 07:46	1
Toluene-d8 (Surr)	102		70 - 130					05/29/19 18:15	5

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: DUP-01

Lab Sample ID: 490-174719-15

Date Collected: 05/22/19 01:01

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 08:12	1
cis-1,2-Dichloroethene	114		1.00		ug/L			05/29/19 08:12	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 08:12	1
trans-1,2-Dichloroethene	10.5		1.00		ug/L			05/29/19 08:12	1
Trichloroethene	54.9		1.00		ug/L			05/29/19 08:12	1
Vinyl chloride	66.7		1.00		ug/L			05/29/19 08:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					05/29/19 08:12	1
4-Bromofluorobenzene (Surr)	98		70 - 130					05/29/19 08:12	1
Dibromofluoromethane (Surr)	100		70 - 130					05/29/19 08:12	1
Toluene-d8 (Surr)	104		70 - 130					05/29/19 08:12	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: BR-03

Lab Sample ID: 490-174719-16

Date Collected: 05/23/19 08:25

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.13		1.00		ug/L			05/29/19 16:54	1
cis-1,2-Dichloroethene	82.2		1.00		ug/L			05/29/19 16:54	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 16:54	1
trans-1,2-Dichloroethene	2.36		1.00		ug/L			05/29/19 16:54	1
Trichloroethene	275		1.00		ug/L			05/29/19 16:54	1
Vinyl chloride	ND		1.00		ug/L			05/29/19 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 130					05/29/19 16:54	1
4-Bromofluorobenzene (Surr)	96		70 - 130					05/29/19 16:54	1
Dibromofluoromethane (Surr)	103		70 - 130					05/29/19 16:54	1
Toluene-d8 (Surr)	102		70 - 130					05/29/19 16:54	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: BR-10

Lab Sample ID: 490-174719-17

Date Collected: 05/23/19 09:33

Matrix: Water

Date Received: 05/24/19 09:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 17:21	1
cis-1,2-Dichloroethene	434		5.00		ug/L			05/29/19 07:50	5
Tetrachloroethene	ND		1.00		ug/L			05/29/19 17:21	1
trans-1,2-Dichloroethene	53.2		1.00		ug/L			05/29/19 17:21	1
Trichloroethene	112		1.00		ug/L			05/29/19 17:21	1
Vinyl chloride	1.53		1.00		ug/L			05/29/19 17:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					05/29/19 07:50	5
4-Bromofluorobenzene (Surr)	106		70 - 130					05/29/19 17:21	1
4-Bromofluorobenzene (Surr)	106		70 - 130					05/29/19 07:50	5
4-Bromofluorobenzene (Surr)	96		70 - 130					05/29/19 17:21	1
Dibromofluoromethane (Surr)	99		70 - 130					05/29/19 07:50	5
Dibromofluoromethane (Surr)	99		70 - 130					05/29/19 17:21	1
Toluene-d8 (Surr)	98		70 - 130					05/29/19 07:50	5
Toluene-d8 (Surr)	102		70 - 130					05/29/19 17:21	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: BR-01

Date Collected: 05/23/19 10:47

Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-18

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 17:48	1
cis-1,2-Dichloroethene	364		1.00		ug/L			05/29/19 17:48	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 17:48	1
trans-1,2-Dichloroethene	30.0		1.00		ug/L			05/29/19 17:48	1
Trichloroethene	3.78		1.00		ug/L			05/29/19 17:48	1
Vinyl chloride	258		1.00		ug/L			05/29/19 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 130					05/29/19 17:48	1
4-Bromofluorobenzene (Surr)	99		70 - 130					05/29/19 17:48	1
Dibromofluoromethane (Surr)	103		70 - 130					05/29/19 17:48	1
Toluene-d8 (Surr)	103		70 - 130					05/29/19 17:48	1

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: BR-04

Date Collected: 05/23/19 12:13

Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-19

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	8.25		5.00		ug/L			05/29/19 08:42	5
cis-1,2-Dichloroethene	1200		5.00		ug/L			05/29/19 08:42	5
Tetrachloroethene	ND		5.00		ug/L			05/29/19 08:42	5
trans-1,2-Dichloroethene	85.1		5.00		ug/L			05/29/19 08:42	5
Trichloroethene	704		5.00		ug/L			05/29/19 08:42	5
Vinyl chloride	52.9		5.00		ug/L			05/29/19 08:42	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 130					05/29/19 08:42	5
4-Bromofluorobenzene (Surr)	110		70 - 130					05/29/19 08:42	5
Dibromofluoromethane (Surr)	108		70 - 130					05/29/19 08:42	5
Toluene-d8 (Surr)	99		70 - 130					05/29/19 08:42	5

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QC Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 490-598138/6

Matrix: Water

Analysis Batch: 598138

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 02:24	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 02:24	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 02:24	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 02:24	1
Trichloroethene	ND		1.00		ug/L			05/29/19 02:24	1
Vinyl chloride	ND		1.00		ug/L			05/29/19 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 130					05/29/19 02:24	1
4-Bromofluorobenzene (Surr)	98		70 - 130					05/29/19 02:24	1
Dibromofluoromethane (Surr)	99		70 - 130					05/29/19 02:24	1
Toluene-d8 (Surr)	104		70 - 130					05/29/19 02:24	1

Lab Sample ID: LCS 490-598138/3

Matrix: Water

Analysis Batch: 598138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethene	20.0	18.23		ug/L		91	79 - 124	3	20
cis-1,2-Dichloroethene	20.0	18.55		ug/L		93	76 - 125	2	15
Tetrachloroethene	20.0	17.43		ug/L		87	80 - 126	7	17
trans-1,2-Dichloroethene	20.0	17.57		ug/L		88	79 - 126	0	15
Trichloroethene	20.0	18.13		ug/L		91	80 - 123	1	14
Vinyl chloride	20.0	17.86		ug/L		89	68 - 120	2	15
Surrogate	%Recovery	LCS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	96		70 - 130						
4-Bromofluorobenzene (Surr)	100		70 - 130						
Dibromofluoromethane (Surr)	101		70 - 130						
Toluene-d8 (Surr)	101		70 - 130						

Lab Sample ID: LCSD 490-598138/4

Matrix: Water

Analysis Batch: 598138

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethene	20.0	17.69		ug/L		88	79 - 124	3	20
cis-1,2-Dichloroethene	20.0	18.21		ug/L		91	76 - 125	2	15
Tetrachloroethene	20.0	18.63		ug/L		93	80 - 126	7	17
trans-1,2-Dichloroethene	20.0	17.58		ug/L		88	79 - 126	0	15
Trichloroethene	20.0	18.26		ug/L		91	80 - 123	1	14
Vinyl chloride	20.0	17.55		ug/L		88	68 - 120	2	15
Surrogate	%Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	98		70 - 130						
4-Bromofluorobenzene (Surr)	96		70 - 130						
Dibromofluoromethane (Surr)	99		70 - 130						

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QC Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 490-598138/4

Matrix: Water

Analysis Batch: 598138

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	%Recovery	Qualifier	Limits						
Toluene-d8 (Surr)	104		70 - 130						
Lab Sample ID: 490-174719-8 MS									
Matrix: Water									
Analysis Batch: 598138									
Client Sample ID: BR-15									
Prep Type: Total/NA									
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		20.0	21.60		ug/L		108	54 - 150
cis-1,2-Dichloroethene	ND		20.0	21.84		ug/L		108	68 - 131
Tetrachloroethene	ND		20.0	21.63		ug/L		108	57 - 138
trans-1,2-Dichloroethene	ND		20.0	20.30		ug/L		102	59 - 143
Trichloroethene	ND		20.0	22.20		ug/L		108	63 - 135
Vinyl chloride	ND		20.0	22.48		ug/L		112	57 - 150
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	98		70 - 130						
4-Bromofluorobenzene (Surr)	97		70 - 130						
Dibromofluoromethane (Surr)	99		70 - 130						
Toluene-d8 (Surr)	101		70 - 130						

Lab Sample ID: 490-174719-8 MSD

Matrix: Water

Analysis Batch: 598138

Client Sample ID: BR-15

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethene	ND		20.0	22.23		ug/L		111	54 - 150	3	17
cis-1,2-Dichloroethene	ND		20.0	21.84		ug/L		108	68 - 131	0	17
Tetrachloroethene	ND		20.0	21.50		ug/L		108	57 - 138	1	16
trans-1,2-Dichloroethene	ND		20.0	20.70		ug/L		104	59 - 143	2	16
Trichloroethene	ND		20.0	22.76		ug/L		111	63 - 135	2	17
Vinyl chloride	ND		20.0	23.05		ug/L		115	57 - 150	2	17
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	97		70 - 130								
4-Bromofluorobenzene (Surr)	96		70 - 130								
Dibromofluoromethane (Surr)	99		70 - 130								
Toluene-d8 (Surr)	102		70 - 130								

Lab Sample ID: MB 490-598146/6

Matrix: Water

Analysis Batch: 598146

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 00:27	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 00:27	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 00:27	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 00:27	1
Trichloroethene	ND		1.00		ug/L			05/29/19 00:27	1

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QC Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 490-598146/6
Matrix: Water
Analysis Batch: 598146Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.00		ug/L			05/29/19 00:27	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130					05/29/19 00:27	1
4-Bromofluorobenzene (Surr)	112		70 - 130					05/29/19 00:27	1
Dibromofluoromethane (Surr)	106		70 - 130					05/29/19 00:27	1
Toluene-d8 (Surr)	100		70 - 130					05/29/19 00:27	1

Lab Sample ID: LCS 490-598146/3
Matrix: Water
Analysis Batch: 598146Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene	20.0	21.05		ug/L		105	79 - 124		
cis-1,2-Dichloroethene	20.0	18.51		ug/L		93	76 - 125		
Tetrachloroethene	20.0	17.90		ug/L		89	80 - 126		
trans-1,2-Dichloroethene	20.0	19.63		ug/L		98	79 - 126		
Trichloroethene	20.0	18.10		ug/L		90	80 - 123		
Vinyl chloride	20.0	19.41		ug/L		97	68 - 120		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	93		70 - 130						
4-Bromofluorobenzene (Surr)	107		70 - 130						
Dibromofluoromethane (Surr)	95		70 - 130						
Toluene-d8 (Surr)	98		70 - 130						

Lab Sample ID: LCSD 490-598146/4
Matrix: Water
Analysis Batch: 598146Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethene	20.0	19.92		ug/L		100	79 - 124	6	20
cis-1,2-Dichloroethene	20.0	18.99		ug/L		95	76 - 125	3	15
Tetrachloroethene	20.0	17.19		ug/L		86	80 - 126	4	17
trans-1,2-Dichloroethene	20.0	18.89		ug/L		94	79 - 126	4	15
Trichloroethene	20.0	17.85		ug/L		89	80 - 123	1	14
Vinyl chloride	20.0	19.50		ug/L		98	68 - 120	0	15
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	94		70 - 130						
4-Bromofluorobenzene (Surr)	108		70 - 130						
Dibromofluoromethane (Surr)	94		70 - 130						
Toluene-d8 (Surr)	99		70 - 130						

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QC Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 490-174530-B-15 MS
Matrix: Water
Analysis Batch: 598146Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		20000	18910		ug/L		95	54 - 150
cis-1,2-Dichloroethene	ND		20000	19180		ug/L		96	68 - 131
Tetrachloroethene	ND		20000	17580		ug/L		88	57 - 138
trans-1,2-Dichloroethene	ND		20000	19170		ug/L		96	59 - 143
Trichloroethene	ND		20000	17900		ug/L		89	63 - 135
Vinyl chloride	ND		20000	20190		ug/L		101	57 - 150
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	85		70 - 130						
4-Bromofluorobenzene (Surr)	110		70 - 130						
Dibromofluoromethane (Surr)	98		70 - 130						
Toluene-d8 (Surr)	99		70 - 130						

Lab Sample ID: 490-174530-B-15 MSD
Matrix: Water
Analysis Batch: 598146Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethene	ND		20000	19250		ug/L		96	54 - 150	2	17
cis-1,2-Dichloroethene	ND		20000	18140		ug/L		91	68 - 131	6	17
Tetrachloroethene	ND		20000	16170		ug/L		81	57 - 138	8	16
trans-1,2-Dichloroethene	ND		20000	17930		ug/L		90	59 - 143	7	16
Trichloroethene	ND		20000	17320		ug/L		87	63 - 135	3	17
Vinyl chloride	ND		20000	18640		ug/L		93	57 - 150	8	17
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	93		70 - 130								
4-Bromofluorobenzene (Surr)	111		70 - 130								
Dibromofluoromethane (Surr)	96		70 - 130								
Toluene-d8 (Surr)	99		70 - 130								

Lab Sample ID: MB 490-598260/6
Matrix: Water
Analysis Batch: 598260Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			05/29/19 12:51	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 12:51	1
Tetrachloroethene	ND		1.00		ug/L			05/29/19 12:51	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			05/29/19 12:51	1
Trichloroethene	ND		1.00		ug/L			05/29/19 12:51	1
Vinyl chloride	ND		1.00		ug/L			05/29/19 12:51	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 130					05/29/19 12:51	1
4-Bromofluorobenzene (Surr)	99		70 - 130					05/29/19 12:51	1
Dibromofluoromethane (Surr)	101		70 - 130					05/29/19 12:51	1

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QC Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 490-598260/6
Matrix: Water
Analysis Batch: 598260Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		70 - 130					05/29/19 12:51	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	101		70 - 130						
4-Bromofluorobenzene (Surr)	96		70 - 130						
Dibromofluoromethane (Surr)	102		70 - 130						
Toluene-d8 (Surr)	104		70 - 130						

Lab Sample ID: LCS 490-598260/3
Matrix: Water
Analysis Batch: 598260Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene	20.0	17.91		ug/L		90	79 - 124		
cis-1,2-Dichloroethene	20.0	18.83		ug/L		94	76 - 125		
Tetrachloroethene	20.0	18.46		ug/L		92	80 - 126		
trans-1,2-Dichloroethene	20.0	17.99		ug/L		90	79 - 126		
Trichloroethene	20.0	18.46		ug/L		92	80 - 123		
Vinyl chloride	20.0	19.96		ug/L		100	68 - 120		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	101		70 - 130						
4-Bromofluorobenzene (Surr)	96		70 - 130						
Dibromofluoromethane (Surr)	102		70 - 130						
Toluene-d8 (Surr)	104		70 - 130						

Lab Sample ID: LCSD 490-598260/4
Matrix: Water
Analysis Batch: 598260Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethene	20.0	18.53		ug/L		93	79 - 124	3	20
cis-1,2-Dichloroethene	20.0	18.35		ug/L		92	76 - 125	3	15
Tetrachloroethene	20.0	18.09		ug/L		90	80 - 126	2	17
trans-1,2-Dichloroethene	20.0	18.21		ug/L		91	79 - 126	1	15
Trichloroethene	20.0	18.00		ug/L		90	80 - 123	3	14
Vinyl chloride	20.0	19.99		ug/L		100	68 - 120	0	15
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	101		70 - 130						
4-Bromofluorobenzene (Surr)	97		70 - 130						
Dibromofluoromethane (Surr)	102		70 - 130						
Toluene-d8 (Surr)	102		70 - 130						

Lab Sample ID: 490-174792-B-1 MSD
Matrix: Water
Analysis Batch: 598260Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethene	ND		20.0	20.71		ug/L		104	54 - 150	7	17
cis-1,2-Dichloroethene	ND		20.0	19.88		ug/L		99	68 - 131	5	17
Tetrachloroethene	ND		20.0	20.35		ug/L		102	57 - 138	8	16
trans-1,2-Dichloroethene	ND		20.0	19.57		ug/L		98	59 - 143	6	16
Trichloroethene	ND		20.0	20.14		ug/L		101	63 - 135	7	17

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QC Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 490-174792-B-1 MSD
Matrix: Water
Analysis Batch: 598260Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Vinyl chloride	ND		20.0	21.46		ug/L		107	57 - 150	2	17
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	108		70 - 130								
4-Bromofluorobenzene (Surr)	97		70 - 130								
Dibromofluoromethane (Surr)	101		70 - 130								
Toluene-d8 (Surr)	102		70 - 130								

Lab Sample ID: 490-174792-C-1 MS
Matrix: Water
Analysis Batch: 598260Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		20.0	22.22		ug/L		111	54 - 150
cis-1,2-Dichloroethene	ND		20.0	20.99		ug/L		105	68 - 131
Tetrachloroethene	ND		20.0	22.13		ug/L		111	57 - 138
trans-1,2-Dichloroethene	ND		20.0	20.76		ug/L		104	59 - 143
Trichloroethene	ND		20.0	21.59		ug/L		108	63 - 135
Vinyl chloride	ND		20.0	22.00		ug/L		110	57 - 150
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	100		70 - 130						
4-Bromofluorobenzene (Surr)	95		70 - 130						
Dibromofluoromethane (Surr)	102		70 - 130						
Toluene-d8 (Surr)	102		70 - 130						

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QC Association Summary

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

GC/MS VOA

Analysis Batch: 598138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-174719-1	QAFB-01	Total/NA	Water	8260C	
490-174719-2	QARB-01	Total/NA	Water	8260C	
490-174719-3	QATB-01	Total/NA	Water	8260C	
490-174719-4	QATB-02	Total/NA	Water	8260C	
490-174719-5	TW-04	Total/NA	Water	8260C	
490-174719-6	TW-09	Total/NA	Water	8260C	
490-174719-7	TW-20	Total/NA	Water	8260C	
490-174719-8	BR-15	Total/NA	Water	8260C	
490-174719-9	OB-06	Total/NA	Water	8260C	
490-174719-10	OB-08	Total/NA	Water	8260C	
490-174719-11	OB-04	Total/NA	Water	8260C	
490-174719-12	W-5	Total/NA	Water	8260C	
490-174719-14	BR-02	Total/NA	Water	8260C	
490-174719-15	DUP-01	Total/NA	Water	8260C	
MB 490-598138/6	Method Blank	Total/NA	Water	8260C	
LCS 490-598138/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-598138/4	Lab Control Sample Dup	Total/NA	Water	8260C	
490-174719-8 MS	BR-15	Total/NA	Water	8260C	
490-174719-8 MSD	BR-15	Total/NA	Water	8260C	

Analysis Batch: 598146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-174719-17	BR-10	Total/NA	Water	8260C	
490-174719-19	BR-04	Total/NA	Water	8260C	
MB 490-598146/3	Method Blank	Total/NA	Water	8260C	
LCS 490-598146/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-598146/4	Lab Control Sample Dup	Total/NA	Water	8260C	
490-174530-B-15 MS	Matrix Spike	Total/NA	Water	8260C	
490-174530-B-15 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 598260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-174719-13	TW-17	Total/NA	Water	8260C	
490-174719-14	BR-02	Total/NA	Water	8260C	
490-174719-16	BR-03	Total/NA	Water	8260C	
490-174719-17	BR-10	Total/NA	Water	8260C	
490-174719-18	BR-01	Total/NA	Water	8260C	
MB 490-598260/3	Method Blank	Total/NA	Water	8260C	
LCS 490-598260/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-598260/4	Lab Control Sample Dup	Total/NA	Water	8260C	
490-174792-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	
490-174792-C-1 MS	Matrix Spike	Total/NA	Water	8260C	

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Lab Chronicle

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: QAFB-01

Date Collected: 05/23/19 12:55
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598138	05/29/19 02:51	AK1	TAL NSH

Client Sample ID: QARB-01

Date Collected: 05/23/19 13:00
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598138	05/29/19 03:18	AK1	TAL NSH

Client Sample ID: QATB-01

Date Collected: 05/23/19 13:05
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598138	05/29/19 03:45	AK1	TAL NSH

Client Sample ID: QATB-02

Date Collected: 05/23/19 13:10
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598138	05/29/19 04:11	AK1	TAL NSH

Client Sample ID: TW-04

Date Collected: 05/21/19 12:32
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598138	05/29/19 04:38	AK1	TAL NSH

Client Sample ID: TW-09

Date Collected: 05/21/19 13:50
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598138	05/29/19 05:05	AK1	TAL NSH

Client Sample ID: TW-20

Date Collected: 05/21/19 14:45
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598138	05/29/19 05:32	AK1	TAL NSH

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Lab Chronicle

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: BR-15

Date Collected: 05/21/19 17:25
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598138	05/29/19 05:59	AK1	TAL NSH

Client Sample ID: OB-06

Date Collected: 05/22/19 08:45
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598138	05/29/19 06:25	AK1	TAL NSH

Client Sample ID: OB-08

Date Collected: 05/22/19 10:00
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598138	05/29/19 06:52	AK1	TAL NSH

Client Sample ID: OB-04

Date Collected: 05/22/19 12:10
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	10 mL	10 mL	598138	05/29/19 08:39	AK1	TAL NSH

Client Sample ID: W-5

Date Collected: 05/22/19 13:45
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598138	05/29/19 07:19	AK1	TAL NSH

Client Sample ID: TW-17

Date Collected: 05/22/19 15:00
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598260	05/29/19 16:27	P1B	TAL NSH

Client Sample ID: BR-02

Date Collected: 05/22/19 16:10
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598138	05/29/19 07:46	AK1	TAL NSH
Total/NA	Analysis	8260C		5	10 mL	10 mL	598260	05/29/19 18:15	P1B	TAL NSH

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Lab Chronicle

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Client Sample ID: DUP-01

Date Collected: 05/22/19 01:01
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598138	05/29/19 08:12	AK1	TAL NSH

Client Sample ID: BR-03

Date Collected: 05/23/19 08:25
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598260	05/29/19 16:54	P1B	TAL NSH

Client Sample ID: BR-10

Date Collected: 05/23/19 09:33
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598260	05/29/19 17:21	P1B	TAL NSH
Total/NA	Analysis	8260C		5	10 mL	10 mL	598146	05/29/19 07:50	S1S	TAL NSH

Client Sample ID: BR-01

Date Collected: 05/23/19 10:47
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	598260	05/29/19 17:48	P1B	TAL NSH

Client Sample ID: BR-04

Date Collected: 05/23/19 12:13
Date Received: 05/24/19 09:55

Lab Sample ID: 490-174719-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	10 mL	10 mL	598146	05/29/19 08:42	S1S	TAL NSH

Laboratory References:

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204. TEL (615)726-0177

Eurofins TestAmerica, Nashville

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Method Summary

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Method	Method Description	Protocol	Laboratory
8250C	Volatile Organic Compounds by GC/MS	SW846	TAL NSH
5030C	Purge and Trap	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204. TEL (615)726-0177

Accreditation/Certification Summary

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 490-174719-1

Laboratory: Eurofins TestAmerica, Nashville

The accreditation/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	11342	03-31-20

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Eurofins TestAmerica, Nashville

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COOLER RECEIPT FORM

Cooler Received/Opened On: 5/24/2019 @ 0955
Time Samples Removed From Cooler: 1638 Time Samples Placed In Storage: 1702 (2 Hour Window)

1. Tracking #: 0803 (last 4 digits, FedEx) Courier: FedEx
IR Gun ID: 17900257 pH Strip Lot: NA Chlorine Strip Lot: NA

2. Temperature of rep. sample or temp blank when opened: 4.4 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA
If yes, how many and where: 1 front / 1 side

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (initials): GH

7. Were custody seals on containers: YES NO and intact YES NO NA
Were these signed and dated correctly? YES NO NA

8. Packing mat used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (if, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

12a. Were VOA vials received? YES NO NA

12b. Was there any observable headspace present in any VOA vial? YES NO NA



Larger than this.

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence #

I certify that I unloaded the cooler and answered questions 7-14 (initials): GH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO NA

16. Was residual chlorine present? YES NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initials): GH

17. Were custody papers properly filled out (ink, signed, etc)? YES NO NA

18. Did you sign the custody papers in the appropriate place? YES NO NA

19. Were correct containers used for the analysis requested? YES NO NA

20. Was sufficient amount of sample sent in each container? YES NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (initials): GH

I certify that I attached a label with the unique LIMS number to each container (initials): GH

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO

RIS = Broken in diagram
Cooler Receipt Form

LF-1

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5/30/2019



COOLER RECEIPT FORM

Cooler Received/Opened On: 5/24/2019 @ 955
Time Samples Removed From Cooler: 1638 Time Samples Placed In Storage: 1702 (2 Hour Window)

1. Tracking #: 0814 (last 4 digits, FedEx) Courier: FedEx
IR Gun ID: 31470368 pH Strip Lot: NA Chlorine Strip Lot: NA

2. Temperature of rep. sample or temp blank when opened: 5.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA
If yes, how many and where: 1 front / 1 side

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (initials): GH

7. Were custody seals on containers: YES NO and intact YES NO NA
Were these signed and dated correctly? YES NO NA

8. Packing mat used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (if, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

12a. Were VOA vials received? YES NO NA

12b. Was there any observable headspace present in any VOA vial? YES NO NA



Larger than this.

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence #

I certify that I unloaded the cooler and answered questions 7-14 (initials): GH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO NA

16. Was residual chlorine present? YES NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initials): GH

17. Were custody papers properly filled out (ink, signed, etc)? YES NO NA

18. Did you sign the custody papers in the appropriate place? YES NO NA

19. Were correct containers used for the analysis requested? YES NO NA

20. Was sufficient amount of sample sent in each container? YES NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (initials): GH

I certify that I attached a label with the unique LIMS number to each container (initials): GH

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO

RIS = Broken in diagram
Cooler Receipt Form

LF-1

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5/30/2019

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OCTOBER 2019

**LABORATORY REPORTS AND
CHAIN-OF-CUSTODY FORMS**



Environment Testing
TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-193796-1
Laboratory Sample Delivery Group: Rochester NY
Client Project/Site: Former Taylor Instruments

For:
Wood E&I Solutions Inc
2030 Falling Waters Road
Ste 300
Knoxville, Tennessee 37922

Attn: Mr. Joe Deatherage

Authorized for release by:
10/24/2019 8:06:34 PM
Shali Brown, Project Manager II
(615)301-5031
shali.brown@testamericainc.com

results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited
ers, exceptions are noted in this report. This report may not be reproduced except in full,
written approval from the laboratory. For questions please contact the Project Manager
mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

These commonly used abbreviations may or may not be present in this report.

Abbreviation	These commonly used abbreviations may or may not be present in this report.
a	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Job ID: 460-193796-1

Laboratory: Eurofins TestAmerica, Edison

Narrative	Job Narrative 460-193796-1
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Comments
No additional comments.

Receipt
The samples were received on 10/11/2019 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.7° C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: BR-04 (460-193796-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client Sample ID: BR-15

Lab Sample ID: 460-193796-1

Date Collected: 10/09/19 12:20

Matrix: Water

Date Received: 10/11/19 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			10/20/19 00:03	1
cis-1,2-Dichloroethene	2.99		1.00		ug/L			10/20/19 00:03	1
Tetrachloroethene	ND		1.00		ug/L			10/20/19 00:03	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			10/20/19 00:03	1
Trichloroethene	2.60		1.00		ug/L			10/20/19 00:03	1
Vinyl chloride	4.71		1.00		ug/L			10/20/19 00:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		74 - 132					10/20/19 00:03	1
4-Bromofluorobenzene	101		77 - 124					10/20/19 00:03	1
Dibromofluoromethane (Surr)	103		72 - 131					10/20/19 00:03	1
Toluene-d8 (Surr)	98		80 - 120					10/20/19 00:03	1

Client Sample ID: BR-03

Lab Sample ID: 460-193796-2

Date Collected: 10/09/19 14:32

Matrix: Water

Date Received: 10/11/19 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			10/20/19 00:27	1
cis-1,2-Dichloroethene	32.2		1.00		ug/L			10/20/19 00:27	1
Tetrachloroethene	ND		1.00		ug/L			10/20/19 00:27	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			10/20/19 00:27	1
Trichloroethene	115		1.00		ug/L			10/20/19 00:27	1
Vinyl chloride	ND		1.00		ug/L			10/20/19 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		74 - 132					10/20/19 00:27	1
4-Bromofluorobenzene	99		77 - 124					10/20/19 00:27	1
Dibromofluoromethane (Surr)	103		72 - 131					10/20/19 00:27	1
Toluene-d8 (Surr)	87		80 - 120					10/20/19 00:27	1

Client Sample ID: BR-02

Lab Sample ID: 460-193796-3

Date Collected: 10/09/19 16:15

Matrix: Water

Date Received: 10/11/19 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			10/18/19 05:57	1
cis-1,2-Dichloroethene	28.7		1.00		ug/L			10/18/19 05:57	1
Tetrachloroethene	ND		1.00		ug/L			10/18/19 05:57	1
trans-1,2-Dichloroethene	1.62		1.00		ug/L			10/18/19 05:57	1
Trichloroethene	27.0		1.00		ug/L			10/18/19 05:57	1
Vinyl chloride	3.96		1.00		ug/L			10/18/19 05:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	130		74 - 132					10/18/19 05:57	1
4-Bromofluorobenzene	117		77 - 124					10/18/19 05:57	1
Dibromofluoromethane (Surr)	125		72 - 131					10/18/19 05:57	1
Toluene-d8 (Surr)	100		80 - 120					10/18/19 05:57	1

Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 460-193796-1
SDG: Rochester NY

Client Sample ID: BR-10

Date Collected: 10/10/19 09:10

Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.97		1.00		ug/L			10/20/19 00:51	1
cis-1,2-Dichloroethene	429		1.00		ug/L			10/20/19 00:51	1
Tetrachloroethene	ND		1.00		ug/L			10/20/19 00:51	1
trans-1,2-Dichloroethene	64.3		1.00		ug/L			10/20/19 00:51	1
Trichloroethene	128		1.00		ug/L			10/20/19 00:51	1
Vinyl chloride	6.47		1.00		ug/L			10/20/19 00:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		74 - 132					10/20/19 00:51	1
4-Bromofluorobenzene	100		77 - 124					10/20/19 00:51	1
Dibromofluoromethane (Surr)	105		72 - 131					10/20/19 00:51	1
Toluene-d8 (Surr)	98		80 - 120					10/20/19 00:51	1

Client Sample ID: BR-04

Date Collected: 10/10/19 10:30

Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-5

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	6.81		5.00		ug/L			10/18/19 06:23	5
cis-1,2-Dichloroethene	1200		5.00		ug/L			10/18/19 06:23	5
Tetrachloroethene	ND		5.00		ug/L			10/18/19 06:23	5
trans-1,2-Dichloroethene	76.8		5.00		ug/L			10/18/19 06:23	5
Trichloroethene	710		5.00		ug/L			10/18/19 06:23	5
Vinyl chloride	43.6	F1	5.00		ug/L			10/18/19 06:23	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	127		74 - 132					10/18/19 06:23	5
4-Bromofluorobenzene	117		77 - 124					10/18/19 06:23	5
Dibromofluoromethane (Surr)	118		72 - 131					10/18/19 06:23	5
Toluene-d8 (Surr)	95		80 - 120					10/18/19 06:23	5

Client Sample ID: BR-01

Date Collected: 10/10/19 13:20

Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-6

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			10/18/19 04:37	1
cis-1,2-Dichloroethene	372		1.00		ug/L			10/18/19 04:37	1
Tetrachloroethene	ND		1.00		ug/L			10/18/19 04:37	1
trans-1,2-Dichloroethene	27.1		1.00		ug/L			10/18/19 04:37	1
Trichloroethene	1.96		1.00		ug/L			10/18/19 04:37	1
Vinyl chloride	270		1.00		ug/L			10/18/19 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		74 - 132					10/18/19 04:37	1
4-Bromofluorobenzene	108		77 - 124					10/18/19 04:37	1
Dibromofluoromethane (Surr)	118		72 - 131					10/18/19 04:37	1
Toluene-d8 (Surr)	95		80 - 120					10/18/19 04:37	1

Eurofins TestAmerica, Edison

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10/24/2019

Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 460-193796-1
SDG: Rochester NY

Client Sample ID: QAFB-01

Date Collected: 10/10/19 13:55

Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-7

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			10/18/19 03:43	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			10/18/19 03:43	1
Tetrachloroethene	ND		1.00		ug/L			10/18/19 03:43	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			10/18/19 03:43	1
Trichloroethene	ND		1.00		ug/L			10/18/19 03:43	1
Vinyl chloride	ND		1.00		ug/L			10/18/19 03:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	129		74 - 132					10/18/19 03:43	1
4-Bromofluorobenzene	117		77 - 124					10/18/19 03:43	1
Dibromofluoromethane (Surr)	122		72 - 131					10/18/19 03:43	1
Toluene-d8 (Surr)	98		80 - 120					10/18/19 03:43	1

Client Sample ID: QARB-01

Date Collected: 10/10/19 14:00

Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-8

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			10/19/19 13:34	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			10/19/19 13:34	1
Tetrachloroethene	ND		1.00		ug/L			10/19/19 13:34	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			10/19/19 13:34	1
Trichloroethene	ND		1.00		ug/L			10/19/19 13:34	1
Vinyl chloride	ND		1.00		ug/L			10/19/19 13:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		74 - 132					10/19/19 13:34	1
4-Bromofluorobenzene	99		77 - 124					10/19/19 13:34	1
Dibromofluoromethane (Surr)	104		72 - 131					10/19/19 13:34	1
Toluene-d8 (Surr)	98		80 - 120					10/19/19 13:34	1

Client Sample ID: QATB-01

Date Collected: 10/10/19 14:10

Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			10/18/19 04:10	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			10/18/19 04:10	1
Tetrachloroethene	ND		1.00		ug/L			10/18/19 04:10	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			10/18/19 04:10	1
Trichloroethene	ND		1.00		ug/L			10/18/19 04:10	1
Vinyl chloride	ND		1.00		ug/L			10/18/19 04:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	129		74 - 132					10/18/19 04:10	1
4-Bromofluorobenzene	106		77 - 124					10/18/19 04:10	1
Dibromofluoromethane (Surr)	120		72 - 131					10/18/19 04:10	1
Toluene-d8 (Surr)	96		80 - 120					10/18/19 04:10	1

Eurofins TestAmerica, Edison

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Client Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 460-193796-1
SDG: Rochester NY

Client Sample ID: Dup-01

Date Collected: 10/09/19 00:00

Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-10

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			10/18/19 05:30	1
cis-1,2-Dichloroethene	3.17		1.00		ug/L			10/18/19 05:30	1
Tetrachloroethene	ND		1.00		ug/L			10/18/19 05:30	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			10/18/19 05:30	1
Trichloroethene	2.59		1.00		ug/L			10/18/19 05:30	1
Vinyl chloride	4.59		1.00		ug/L			10/18/19 05:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	127		74 - 132					10/18/19 05:30	1
4-Bromofluorobenzene	112		77 - 124					10/18/19 05:30	1
Dibromofluoromethane (Surr)	119		72 - 131					10/18/19 05:30	1
Toluene-d8 (Surr)	98		80 - 120					10/18/19 05:30	1

Eurofins TestAmerica, Edison

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10/24/2019

QC Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 460-193796-1
SDG: Rochester NY

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-648117/9

Matrix: Water

Analysis Batch: 648117

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			10/17/19 23:39	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			10/17/19 23:39	1
Tetrachloroethene	ND		1.00		ug/L			10/17/19 23:39	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			10/17/19 23:39	1
Trichloroethene	ND		1.00		ug/L			10/17/19 23:39	1
Vinyl chloride	ND		1.00		ug/L			10/17/19 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	129		74 - 132					10/17/19 23:39	1
4-Bromofluorobenzene	109		77 - 124					10/17/19 23:39	1
Dibromofluoromethane (Surr)	120		72 - 131					10/17/19 23:39	1
Toluene-d8 (Surr)	97		80 - 120					10/17/19 23:39	1

Lab Sample ID: LCS 460-648117/4

Matrix: Water

Analysis Batch: 648117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	20.0		17.81		ug/L		55	74 - 123
cis-1,2-Dichloroethene	20.0		20.13		ug/L		101	50 - 120
Tetrachloroethene	20.0		19.68		ug/L		95	75 - 122
trans-1,2-Dichloroethene	20.0		20.46		ug/L		102	79 - 120
Trichloroethene	20.0		20.29		ug/L		101	77 - 120
Vinyl chloride	20.0		16.69		ug/L		53	62 - 135
Surrogate	%Recovery	Qualifier	Limits					
1,2-Dichloroethane-d4 (Surr)	123		74 - 132					
4-Bromofluorobenzene	112		77 - 124					
Dibromofluoromethane (Surr)	120		72 - 131					
Toluene-d8 (Surr)	98		80 - 120					

Lab Sample ID: 460-193796-5 MS

Matrix: Water

Analysis Batch: 648117

Client Sample ID: BR-04

Prep Type: Total/NA

Analysis Batch: 648117									
Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
1,1-Dichloroethene	6.51		100	96.57		ug/L		90	74 - 123
cis-1,2-Dichloroethene	1200		100	1215	4	ug/L		17	50 - 120
Tetrachloroethene	ND		100	106.4		ug/L		106	75 - 122
trans-1,2-Dichloroethene	76.5		100	173.7		ug/L		97	79 - 120
Trichloroethene	710		100	777.5	4	ug/L		65	77 - 120
Vinyl chloride	43.6	F1	100	103.1	F1	ug/L		89	62 - 135
Surrogate	MS		Limits						
	%Recovery	Qualifier							
1,2-Dichloroethane-d4 (Surr)	123		74 - 132						
4-Bromofluorobenzene	113		77 - 124						
Dibromofluoromethane (Surr)	122		72 - 131						

QC Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 460-193796-1
SDG: Rochester NY

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-193796-5 MS
Matrix: Water
Analysis Batch: 648117

Client Sample ID: BR-04
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	96		80 - 120

Lab Sample ID: 460-193796-5 MSD
Matrix: Water
Analysis Batch: 648117

Client Sample ID: BR-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	6.51		100	106.0		ug/L		96	74 - 123	9	30
cis-1,2-Dichloroethene	1200		100	1241	4	ug/L		39	50 - 120	2	30
Tetrachloroethene	ND		100	107.9		ug/L		105	75 - 122	1	30
trans-1,2-Dichloroethene	76.5		100	179.7		ug/L		103	79 - 120	3	30
Trichloroethene	710		100	793.0	4	ug/L		53	77 - 120	2	30
Vinyl chloride	43.6	F1	100	108.6		ug/L		62	62 - 135	2	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	126		74 - 132
4-Bromofluorobenzene	121		77 - 124
Dibromofluoromethane (Surr)	122		72 - 131
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: MB 460-648555/7
Matrix: Water
Analysis Batch: 648555

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			10/19/19 12:22	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			10/19/19 12:22	1
Tetrachloroethene	ND		1.00		ug/L			10/19/19 12:22	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			10/19/19 12:22	1
Trichloroethene	ND		1.00		ug/L			10/19/19 12:22	1
Vinyl chloride	ND		1.00		ug/L			10/19/19 12:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		74 - 132		10/19/19 12:22	1
4-Bromofluorobenzene	98		77 - 124		10/19/19 12:22	1
Dibromofluoromethane (Surr)	103		72 - 131		10/19/19 12:22	1
Toluene-d8 (Surr)	98		80 - 120		10/19/19 12:22	1

Lab Sample ID: LCS 460-648555/3
Matrix: Water
Analysis Batch: 648555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	20.0	22.22		ug/L		111	74 - 123
cis-1,2-Dichloroethene	20.0	20.56		ug/L		104	50 - 120
Tetrachloroethene	20.0	21.79		ug/L		109	75 - 122
trans-1,2-Dichloroethene	20.0	22.28		ug/L		111	79 - 120
Trichloroethene	20.0	19.58		ug/L		99	77 - 120

Eurofins TestAmerica, Edison

QC Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 460-193796-1
SDG: Rochester NY

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-648555/3
Matrix: Water
Analysis Batch: 648555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	20.0	21.57		ug/L		109	62 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		74 - 132
4-Bromofluorobenzene	102		77 - 124
Dibromofluoromethane (Surr)	105		72 - 131
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 460-648555/4
Matrix: Water
Analysis Batch: 648555

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	20.0	23.05		ug/L		116	74 - 123	4	30
cis-1,2-Dichloroethene	20.0	22.42		ug/L		112	50 - 120	7	30
Tetrachloroethene	20.0	22.79		ug/L		114	75 - 122	4	30
trans-1,2-Dichloroethene	20.0	23.27		ug/L		116	79 - 120	4	30
Trichloroethene	20.0	21.26		ug/L		106	77 - 120	7	30
Vinyl chloride	20.0	22.99		ug/L		118	62 - 135	8	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		74 - 132
4-Bromofluorobenzene	106		77 - 124
Dibromofluoromethane (Surr)	108		72 - 131
Toluene-d8 (Surr)	104		80 - 120

Lab Sample ID: MB 460-648555/9
Matrix: Water
Analysis Batch: 648551

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.00		ug/L			10/19/19 23:14	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			10/19/19 23:14	1
Tetrachloroethene	ND		1.00		ug/L			10/19/19 23:14	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			10/19/19 23:14	1
Trichloroethene	ND		1.00		ug/L			10/19/19 23:14	1
Vinyl chloride	ND		1.00		ug/L			10/19/19 23:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		74 - 132		10/19/19 23:14	1
4-Bromofluorobenzene	106		77 - 124		10/19/19 23:14	1
Dibromofluoromethane (Surr)	109		72 - 131		10/19/19 23:14	1
Toluene-d8 (Surr)	104		80 - 120		10/19/19 23:14	1

Eurofins TestAmerica, Edison

QC Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 460-193796-1
SDG: Rochester NY

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-648551/4
Matrix: Water
Analysis Batch: 648551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	20.0	17.76		ug/L		59	74 - 123
cis-1,2-Dichloroethene	20.0	17.68		ug/L		55	50 - 120
Tetrachloroethene	20.0	15.67		ug/L		93	75 - 122
trans-1,2-Dichloroethene	20.0	17.53		ug/L		59	79 - 120
Trichloroethene	20.0	19.92		ug/L		90	77 - 120
Vinyl chloride	20.0	16.46		ug/L		52	62 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		74 - 132
4-Bromofluorobenzene	101		77 - 124
Dibromofluoromethane (Surr)	105		72 - 131
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: 460-193796-1 MS
Matrix: Water
Analysis Batch: 648551

Client Sample ID: BR-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		20.0	20.12		ug/L		101	74 - 123		
cis-1,2-Dichloroethene	2.99		20.0	26.35		ug/L		117	50 - 120		
Tetrachloroethene	ND		20.0	19.92		ug/L		100	75 - 122		
trans-1,2-Dichloroethene	ND		20.0	21.78		ug/L		109	79 - 120		
Trichloroethene	2.60		20.0	22.72		ug/L		101	77 - 120		
Vinyl chloride	4.71		20.0	23.56		ug/L		96	62 - 135		

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		74 - 132
4-Bromofluorobenzene	100		77 - 124
Dibromofluoromethane (Surr)	103		72 - 131
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: 460-193796-1 MSD
Matrix: Water
Analysis Batch: 648551

Client Sample ID: BR-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		20.0	15.84		ug/L		93	74 - 123	5	30
cis-1,2-Dichloroethene	2.99		20.0	23.53		ug/L		104	50 - 120	10	30
Tetrachloroethene	ND		20.0	20.19		ug/L		101	75 - 122	1	30
trans-1,2-Dichloroethene	ND		20.0	19.24		ug/L		96	79 - 120	12	30
Trichloroethene	2.60		20.0	21.65		ug/L		98	77 - 120	8	30
Vinyl chloride	4.71		20.0	23.76		ug/L		98	62 - 135	0	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		74 - 132
4-Bromofluorobenzene	98		77 - 124
Dibromofluoromethane (Surr)	99		72 - 131

Eurofins TestAmerica, Edison

QC Sample Results

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 460-193796-1
SDG: Rochester NY

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-193796-1 MSD
Matrix: Water
Analysis Batch: 648551

Client Sample ID: BR-15
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	95		80 - 120

Eurofins TestAmerica, Edison

QC Association Summary

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 460-193796-1
SDG: Rochester NY

GC/MS VOA

Analysis Batch: 648117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193796-3	BR-02	Total/NA	Water	8260C	
460-193796-5	BR-04	Total/NA	Water	8260C	
460-193796-6	BR-01	Total/NA	Water	8260C	
460-193796-7	QAFB-01	Total/NA	Water	8260C	
460-193796-9	QATB-01	Total/NA	Water	8260C	
460-193796-10	Dup-01	Total/NA	Water	8260C	
MB 460-648117/9	Method Blank	Total/NA	Water	8260C	
LCS 460-648117/4	Lab Control Sample	Total/NA	Water	8260C	
460-193796-5 MS	BR-04	Total/NA	Water	8260C	
460-193796-5 MSD	BR-04	Total/NA	Water	8260C	

Analysis Batch: 648555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193796-8	QARB-01	Total/NA	Water	8260C	
MB 460-648555/7	Method Blank	Total/NA	Water	8260C	
LCS 460-648555/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-648555/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 648651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-193796-1	BR-15	Total/NA	Water	8260C	
460-193796-2	BR-03	Total/NA	Water	8260C	
460-193796-4	BR-10	Total/NA	Water	8260C	
MB 460-648651/9	Method Blank	Total/NA	Water	8260C	
LCS 460-648651/4	Lab Control Sample	Total/NA	Water	8260C	
460-193796-1 MS	BR-15	Total/NA	Water	8260C	
460-193796-1 MSD	BR-15	Total/NA	Water	8260C	

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Lab Chronicle

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 460-193796-1
SDG: Rochester NY

Client Sample ID: BR-15

Date Collected: 10/09/19 12:20
Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	648651	10/20/19 00:03	VBP	TAL EDI

Client Sample ID: BR-03

Date Collected: 10/09/19 14:32
Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	648651	10/20/19 00:27	VBP	TAL EDI

Client Sample ID: BR-02

Date Collected: 10/09/19 16:15
Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	648117	10/18/19 05:57	GXY	TAL EDI

Client Sample ID: BR-10

Date Collected: 10/10/19 09:10
Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	648651	10/20/19 00:51	VBP	TAL EDI

Client Sample ID: BR-04

Date Collected: 10/10/19 10:30
Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	648117	10/18/19 06:23	GXY	TAL EDI

Client Sample ID: BR-01

Date Collected: 10/10/19 13:20
Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	648117	10/18/19 04:37	GXY	TAL EDI

Client Sample ID: QAFB-01

Date Collected: 10/10/19 13:55
Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	648117	10/18/19 03:43	GXY	TAL EDI

Eurofins TestAmerica, Edison

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Lab Chronicle

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 460-193796-1
SDG: Rochester NY

Client Sample ID: QARB-01

Date Collected: 10/10/19 14:00
Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	648555	10/19/19 13:34	MZS	TAL EDI

Client Sample ID: QATB-01

Date Collected: 10/10/19 14:10
Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	648117	10/18/19 04:10	GXY	TAL EDI

Client Sample ID: Dup-01

Date Collected: 10/09/19 00:00
Date Received: 10/11/19 10:00

Lab Sample ID: 460-193796-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	648117	10/18/19 05:30	GXY	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Eurofins TestAmerica, Edison

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Accreditation/Certification Summary

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 460-193796-1
SDG: Rochester NY

Laboratory: Eurofins TestAmerica, Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-20

Eurofins TestAmerica, Edison

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Method Summary

Client: Wood E&I Solutions Inc
Project/Site: Former Taylor Instruments

Job ID: 460-193796-1
SDG: Rochester NY

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Eurofins TestAmerica, Edison

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Chain of Custody Record

Eurofins TestAmerica, Edison

777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3078

Client Information

Company Name: Wood E&I Solutions Inc

Address: 777 New Durham Road, Edison, NJ 08817

City: Edison, NJ

State: NJ

Zip: 08817

Project Name: Former Taylor Instruments

Project Number: 460-193796-1

Analyst: Angela C. Pinilla

Sample Date: 10/14/19

Sample Time: 13:30

Sample Location: 10-09-19

Sample Matrix: 10-09-19

Sample Volume: 10-09-19

Sample Container: 10-09-19

Sample Preservation: 10-09-19

Sample Identification: 10-09-19

Sample Analysis: 10-09-19

Sample Results: 10-09-19

Sample Comments: 10-09-19

Sample Signature: 10-09-19

Sample Date: 10-09-19

Sample Time: 13:30

Sample Location: 10-09-19

Sample Matrix: 10-09-19

Sample Volume: 10-09-19

Sample Container: 10-09-19

Sample Preservation: 10-09-19

Sample Identification: 10-09-19

Sample Analysis: 10-09-19

Sample Results: 10-09-19

Sample Comments: 10-09-19

Sample Signature: 10-09-19

Login Sample Receipt Checklist

Client: Wood E&I Solutions Inc

Job Number: 460-193796-1

SDG Number: Rochester NY

Login Number: 193796

List Number: 1

List Source: Eurofins TestAmerica, Edison

Creator: Pinilla, Angela C

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSD.	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Eurofins TestAmerica, Edison

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TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 193796

Number of Coolers: 1

IR Date: 10/14/19

Cooler Temperatures

Cooler #1: 2.7 °C

Cooler #2: 2.7 °C

Cooler #3: 2.7 °C

Cooler #4: 2.7 °C

Cooler #5: 2.7 °C

Cooler #6: 2.7 °C

Cooler #7: 2.7 °C

Cooler #8: 2.7 °C

Cooler #9: 2.7 °C

Cooler #10: 2.7 °C

Cooler #11: 2.7 °C

Cooler #12: 2.7 °C

Cooler #13: 2.7 °C

Cooler #14: 2.7 °C

Cooler #15: 2.7 °C

Cooler #16: 2.7 °C

Cooler #17: 2.7 °C

Cooler #18: 2.7 °C

Cooler #19: 2.7 °C

Cooler #20: 2.7 °C

Cooler #21: 2.7 °C

Cooler #22: 2.7 °C

Cooler #23: 2.7 °C

Cooler #24: 2.7 °C

Cooler #25: 2.7 °C

Cooler #26: 2.7 °C

Cooler #27: 2.7 °C

Cooler #28: 2.7 °C

Cooler #29: 2.7 °C

Cooler #30: 2.7 °C

Cooler #31: 2.7 °C

Cooler #32: 2.7 °C

Cooler #33: 2.7 °C

Cooler #34: 2.7 °C

Cooler #35: 2.7 °C

Cooler #36: 2.7 °C

Cooler #37: 2.7 °C

Cooler #38: 2.7 °C

Cooler #39: 2.7 °C

Cooler #40: 2.7 °C

Cooler #41: 2.7 °C

Cooler #42: 2.7 °C

Cooler #43: 2.7 °C

Cooler #44: 2.7 °C

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10/24/2019

APPENDIX D
FIELD DATA RECORDS

MAY 2019
FIELD DATA RECORDS

Wood Environment & Infrastructure Solutions Inc.
FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2018 Semi-Annual Sampling Event DATE: 5-22-19
SITE ID: 08-04 SITE TYPE: Monitor Well
SITE ACTIVITY: START 10:06 END 10:55 JOB NUMBER: 3031152028.18

WATER LEVEL
MEASUREMENT POINT: ☒ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): ☒ YES ☐ NO
PROTECTIVE CASING / WELL DIFFERENCE: -0.3

INITIAL DEPTH TO WATER: 4.59 FT WELL DEPTH: 16.45 FT PID AMBIENT AIR: NA PPM WELL DIAMETER: 2 IN
FINAL DEPTH TO WATER: 6.70 FT SCREEN LENGTH: 5 FT PID WELL MOUTH: NA PPM WELL INTEGRITY: CAP YES NO NIA
DRAWDOWN: 2.11 FT DRAWDOWN VOLUME: 0.3576 GAL PRODUCT THICKNESS: NA FT CASING LOCKED: ☒ YES ☐ NO
Purge Rate: 0.133 L/MIN BEGIN PURGING: 10:11 END PURGING: 10:27 TOTAL VOL. PURGED: 4.00 GAL

PURGE DATA

Time	VOL Purged (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
10:14	FC	6.64	0.754	7.49	9.05	12.38	-58.7	5.45	Clear - solvent odor
10:24	1.5	6.72	0.732	5.69	7.36	12.36	-57.1	6.06	
10:37	2	6.71	0.761	19.2	0.54	12.40	-104.3	6.42	Slowed pump
10:51	2	6.72	0.809	30.8	0.23	11.98	-133.3	6.74	light grey/solvent odor
11:03	1.5	6.72	0.829	22.3	0.16	12.29	-164.7	6.67	
11:15	1.5	6.71	0.834	15.2	0.11	12.33	-158.1	6.67	Clear - solvent odor
11:23	1	6.71	0.838	20.0	0.10	12.34	-149.3	6.68	
11:31	1	6.70	0.842	12.2	0.10	12.58	-146.8	6.68	
11:37	1	6.69	0.849	34.5	0.09	12.61	-164.7	6.68	light grey/solvent odor
11:51	1.5	6.71	0.861	15.2	0.10	12.75	-158.5	6.69	
11:59	1	6.67	0.863	16.3	0.11	12.52	-155.2	6.70	
12:07	1	6.69	0.864	9.13	0.11	12.67	-154.2	6.70	
12:10									Clear - solvent odor

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☐ PERISTALTIC ☐ SUBMERSIBLE ☒ OTHER NA

TYPE OF TUBING: ☐ TEFロン OR TEFロン LINED ☐ HIGH DENSITY POLYETHYLENE ☒ OTHER NA

TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ TEFロン ☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFロン ☒ OTHER NA

PURGE OBSERVATIONS

Tubing broke @ 14 ft bblc

SIGNATURE: [Signature]

NOTES

VOC (modified list) ☒ YES ☐ NO
VFA's ☐ YES ☐ NO
Sulfate ☐ YES ☐ NO
Methanethiols ☐ YES ☐ NO
Dissolved ☐ YES ☐ NO

Preservation: HCL
Sample Name: 08-04
Time Collected: 12:10

Wood Environment & Infrastructure Solutions Inc.
FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2018 Semi-Annual Sampling Event DATE: 5-22-19
SITE ID: 08-06 SITE TYPE: Monitor Well
SITE ACTIVITY: START 07:35 END 08:55 JOB NUMBER: 3031152028.18

WATER LEVEL
MEASUREMENT POINT: ☒ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): ☒ YES ☐ NO
PROTECTIVE CASING / WELL DIFFERENCE: -0.3

INITIAL DEPTH TO WATER: 4.08 FT WELL DEPTH: 16.45 FT PID AMBIENT AIR: NA PPM WELL DIAMETER: 2 IN
FINAL DEPTH TO WATER: 5.62 FT SCREEN LENGTH: 10 FT PID WELL MOUTH: NA PPM WELL INTEGRITY: CAP YES NO NIA
DRAWDOWN: 1.54 FT DRAWDOWN VOLUME: 0.3464 GAL PRODUCT THICKNESS: NA FT CASING LOCKED: ☒ YES ☐ NO
Purge Rate: 0.15 L/MIN BEGIN PURGING: 07:42 END PURGING: 08:41 TOTAL VOL. PURGED: 2.31 GAL

PURGE DATA

Time	VOL Purged (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
07:46	FC	5.48	0.658	6.08	1.46	11.64	129.4	66.67	Slowed pump - slight odor
07:56	1.7	7.07	0.652	5.60	0.46	11.65	-48.6	5.32	Slowed pump
08:04	1.2	7.11	0.632	5.69	0.94	11.77	-48.6	5.47	
08:17	1.2	7.12	0.622	5.69	0.83	11.74	-63.3	5.53	Clear - slight odor
08:24	1.2	7.13	0.612	6.05	0.60	11.79	-73.7	5.59	Slowed pump
08:27	1	7.14	0.608	6.15	0.42	11.71	-78.2	5.61	
08:34	1	7.15	0.608	5.72	0.42	11.72	-82.7	5.62	
08:41	1	7.15	0.608	6.21	0.40	11.78	-82.6	5.62	Clear - solvent odor
08:45									Clear - solvent odor

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☐ PERISTALTIC ☐ SUBMERSIBLE ☒ OTHER NA

TYPE OF TUBING: ☐ TEFロン OR TEFロン LINED ☐ HIGH DENSITY POLYETHYLENE ☒ OTHER NA

TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ TEFロン ☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFロン ☒ OTHER NA

PURGE OBSERVATIONS

Tubing broke @ 11.5 ft bblc

SIGNATURE: [Signature]

NOTES

VOC (modified list) ☒ YES ☐ NO
VFA's ☐ YES ☐ NO
Sulfate ☐ YES ☐ NO
Methanethiols ☐ YES ☐ NO
Dissolved ☐ YES ☐ NO

Preservation: HCL
Sample Name: 08-06
Time Collected: 08:45

Wood Environment & Infrastructure Solutions Inc.
FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
 2019 Semi-Annual Sampling Event
 DATE: 5-22-19

SITE ID: 08-08 SITE TYPE: Monitor Well
 SITE ACTIVITY: START 08:57 END 09:49 JOB NUMBER: 3031152028.18

WATER LEVEL
 MEASUREMENT POINT: ☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER
 PROTECTIVE CASING STICKUP (FROM GROUND): 0.35 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.35 FT

INITIAL DEPTH TO WATER: 5.45 FT WELL DEPTH: 25.3 FT PID AMBIENT AIR: NA PPM WELL DIAMETER: 2 IN
 FINAL DEPTH TO WATER: 7.07 FT SCREEN LENGTH: 10 FT PID WELL MOUTH: NA PPM WELL INTEGRITY: CAP YES NO N/A
 DRAWDOWN: 1.62 FT DRAWDOWN VOLUME: 0.2542 GAL PRODUCT THICKNESS: NA FT CASING LOCKED: YES NO N/A
 COLLAR: YES NO N/A

((Initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.147 L/MIN BEGIN PURGING: 09:03 END PURGING: 09:37 TOTAL VOL. PURGED: 2.06 GAL
 (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA	VOL Purged (L)	pH (unit)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
09:06	FC	7.17	0.677	6.47	3.01	12.76	-61.4	6.35	slow pump
09:16	1.7	7.18	0.664	3.25	0.50	12.54	-58.2	6.89	slow pump
09:26	1.4	7.17	0.663	4.72	0.37	12.61	-57.0	7.04	clear - no odor
09:36	1.4	7.17	0.671	4.53	0.31	12.60	-57.1	7.05	
09:43	1	7.17	0.684	2.79	0.21	12.66	-57.6	7.06	
09:50	1	7.17	0.694	2.76	0.19	12.68	-57.5	7.07	clear - no odor
09:57	1	7.17	0.704	2.45	0.18	12.67	-57.2	7.07	
10:00									clear - no odor

EQUIPMENT DOCUMENTATION
 TYPE OF PUMP: ☐ PERISTALTIC ☐ SUBMERSIBLE ☒ OTHER: NA
 TYPE OF TUBING: ☐ TEFロン OR TEFロン LINED ☐ HIGH DENSITY POLYETHYLENE ☒ OTHER: NA
 TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ TEFロン ☐ STAINLESS STEEL ☒ OTHER: NA
 TYPE OF BLADDER MATERIAL (if applicable): ☒ OTHER: NA

PURGE OBSERVATIONS
 Taking Inlets @ 20 ft bblc

NOTES
☒ VOC (modified list)
☐ VFA's
☐ Sulfide
☐ Methane/Ethane
☐ Duplicate

Signature: [Signature]

Wood Environment & Infrastructure Solutions Inc.
FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
 2019 Semi-Annual Sampling Event
 DATE: 5/21/19

SITE ID: TW-04 SITE TYPE: Monitor Well
 SITE ACTIVITY: START 11:15 END 11:35 JOB NUMBER: 3031152028.18

WATER LEVEL
 MEASUREMENT POINT: ☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER
 PROTECTIVE CASING STICKUP (FROM GROUND): 2.6 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.35 FT

INITIAL DEPTH TO WATER: 6.88 FT WELL DEPTH: 17.3 FT PID AMBIENT AIR: NA PPM WELL DIAMETER: 2 IN
 FINAL DEPTH TO WATER: 12.67 FT SCREEN LENGTH: 5 FT PID WELL MOUTH: NA PPM WELL INTEGRITY: CAP YES NO N/A
 DRAWDOWN: 5.79 FT DRAWDOWN VOLUME: 0.664 GAL PRODUCT THICKNESS: NA FT CASING LOCKED: YES NO N/A
 COLLAR: YES NO N/A

((Initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.147 L/MIN BEGIN PURGING: 11:24 END PURGING: 11:30 TOTAL VOL. PURGED: 2.44 GAL
 (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA	VOL Purged (L)	pH (unit)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
11:27	FC	7.06	0.704	4.24	4.36	11.08	192.4	9.65	slow pump
11:37	1.7	7.01	0.697	1.77	2.10	11.75	144.4	10.54	slow pump
11:44	1	7.06	0.693	3.37	1.80	11.75	124.1	11.27	clear - no odor
11:54	1	7.08	0.691	2.84	1.42	11.73	93.2	11.56	slow pump
11:57	1	7.09	0.687	2.31	1.18	11.60	65.6	11.67	
12:04	1	7.09	0.681	1.04	1.15	11.05	48.7	11.73	slow pump
12:12	1	7.09	0.684	1.05	1.08	11.11	41.0	11.68	clear - no odor
12:18	0.95	7.07	0.684	1.11	1.04	11.12	35.1	11.67	
12:24	0.75	7.10	0.682	0.82	1.07	11.16	31.1	11.67	
12:30	0.75	7.10	0.683	1.35	1.03	11.19	29.7	11.67	
12:32									clear - no odor

EQUIPMENT DOCUMENTATION
 TYPE OF PUMP: ☐ PERISTALTIC ☐ SUBMERSIBLE ☒ OTHER: NA
 TYPE OF TUBING: ☐ TEFロン OR TEFロン LINED ☐ HIGH DENSITY POLYETHYLENE ☒ OTHER: NA
 TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ TEFロン ☐ STAINLESS STEEL ☒ OTHER: NA
 TYPE OF BLADDER MATERIAL (if applicable): ☒ OTHER: NA

PURGE OBSERVATIONS
 Taking Inlets @ 14.75 ft bblc

NOTES
☒ VOC (modified list)
☐ VFA's
☐ Sulfide
☐ Methane/Ethane
☐ Duplicate

Signature: [Signature]

Wood Environment & Infrastructure Solutions Inc.
FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
 2019 Semi-Annual Sampling Event
 DATE: 5-21-19

SITE ID: TW-09 SITE TYPE: Monitor Well
 SITE ACTIVITY: START 12:45 END 13:59 JOB NUMBER: 3031152028.18

WATER LEVEL
 MEASUREMENT POINT: ☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER
 PROTECTIVE CASING STICKUP (FROM GROUND): 0.3 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.3 FT

INITIAL DEPTH TO WATER: 11.66 FT WELL DEPTH: 17.7 FT PID AMBIENT AIR: NA PPM WELL DIAMETER: 2 IN
 FINAL DEPTH TO WATER: 12.19 FT SCREEN LENGTH: 5 FT PID WELL MOUTH: NA PPM WELL INTEGRITY: CAP YES NO N/A
 DRAWDOWN: 0.53 FT DRAWDOWN VOLUME: 0.0938 GAL PRODUCT THICKNESS: NA FT CASING LOCKED: YES NO N/A
 COLLAR: YES NO N/A

((Initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.157 L/MIN BEGIN PURGING: 13:51 END PURGING: 13:59 TOTAL VOL. PURGED: 2.30 GAL
 (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA	VOL Purged (L)	pH (unit)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
12:54	FC	6.84	0.662	2.00	3.05	12.31	29.7	12.03	clear - no odor
13:04	1.7	6.97	0.651	10.6	1.10	12.06	30.4	12.13	
13:14	1.7	7.01	0.650	5.23	0.79	11.89	35.2	12.19	slow pump
13:24	1	7.01	0.654	4.17	0.82	11.89	37.5	12.18	clear - no odor
13:28	1	6.97	0.675	4.11	0.58	11.77	37.7	12.17	
13:35	1	6.95	0.670	3.75	0.48	11.78	41.2	12.17	
13:42	1	6.94	0.703	2.60	0.43	11.77	42.9	12.14	
13:49	1	6.94	0.710	1.87	0.43	11.76	44.6	12.14	clear - no odor
13:50									clear - no odor

EQUIPMENT DOCUMENTATION
 TYPE OF PUMP: ☐ PERISTALTIC ☐ SUBMERSIBLE ☒ OTHER: NA
 TYPE OF TUBING: ☐ TEFロン OR TEFロン LINED ☐ HIGH DENSITY POLYETHYLENE ☒ OTHER: NA
 TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ TEFロン ☐ STAINLESS STEEL ☒ OTHER: NA
 TYPE OF BLADDER MATERIAL (if applicable): ☒ OTHER: NA

PURGE OBSERVATIONS
 Taking Inlets @ 15 ft bblc

NOTES
☒ VOC (modified list)
☐ VFA's
☐ Sulfide
☐ Methane/Ethane
☐ Duplicate

Signature: [Signature]

Wood Environment & Infrastructure Solutions Inc.
FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
 2019 Semi-Annual Sampling Event
 DATE: 5-22-19

SITE ID: TW-17 SITE TYPE: Monitor Well
 SITE ACTIVITY: START 13:57 END 14:04 JOB NUMBER: 3031152028.18

WATER LEVEL
 MEASUREMENT POINT: ☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER
 PROTECTIVE CASING STICKUP (FROM GROUND): 2.6 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.35 FT

INITIAL DEPTH TO WATER: 7.26 FT WELL DEPTH: 17.04 FT PID AMBIENT AIR: NA PPM WELL DIAMETER: 2 IN
 FINAL DEPTH TO WATER: 9.05 FT SCREEN LENGTH: 5 FT PID WELL MOUTH: NA PPM WELL INTEGRITY: CAP YES NO N/A
 DRAWDOWN: 1.79 FT DRAWDOWN VOLUME: 0.2912 GAL PRODUCT THICKNESS: NA FT CASING LOCKED: YES NO N/A
 COLLAR: YES NO N/A

((Initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.118 L/MIN BEGIN PURGING: 14:03 END PURGING: 14:06 TOTAL VOL. PURGED: 1.63 GAL
 (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA	VOL Purged (L)	pH (unit)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
14:06	FC	6.80	0.861	6.14	2.51	11.85	-58.1	8.03	clear - slight odor
14:14	1.5	6.87	0.841	4.09	2.40	11.50	-75.4	8.71	slow pump
14:24	1	6.84	0.836	4.11	2.38	11.24	-78.0	8.90	
14:32	1	6.84	0.831	7.54	2.22	11.12	-78.4	9.05	slow pump
14:40	0.8	6.90	0.837	3.09	2.16	11.35	-75.4	9.07	
14:48	0.8	6.91	0.826	3.03	2.13	11.10	-74.6	9.08	
14:56	0.8	6.91	0.824	3.10	2.11	11.00	-69.7	9.08	clear - slight solvent like
15:00									

EQUIPMENT DOCUMENTATION
 TYPE OF PUMP: ☐ PERISTALTIC ☐ SUBMERSIBLE ☒ OTHER: NA
 TYPE OF TUBING: ☐ TEFロン OR TEFロン LINED ☐ HIGH DENSITY POLYETHYLENE ☒ OTHER: NA
 TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ TEFロン ☐ STAINLESS STEEL ☒ OTHER: NA
 TYPE OF BLADDER MATERIAL (if applicable): ☒ OTHER: NA

PURGE OBSERVATIONS
 Taking Inlets @ 14.75 ft bblc

NOTES
☒ VOC (modified list)
☐ VFA's
☐ Sulfide
☐ Methane/Ethane
☐ Duplicate

Signature: [Signature]

Wood Environment & Infrastructure Solutions Inc.

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2019 Semi-Annual Sampling Event

SITE ID: TW-20

SITE TYPE: Monitor Well

DATE: 5-21-19

SITE ACTIVITY: START 12:57 END 14:49

JOB NUMBER: 303152028.18

WATER LEVEL: MEASUREMENT POINT
☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): 2.3 FT

PROTECTIVE CASING / WELL DIFFERENCE: 2.3 FT

INITIAL DEPTH TO WATER: 11.7 FT

WELL DEPTH: 12.2 FT

PID AMBIENT AIR: NA PPM

WELL DIAMETER: 2 IN

FINAL DEPTH TO WATER: 12.4 FT

SCREEN LENGTH: 5 FT

PID WELL MOUTH: NA PPM

WELL INTEGRITY: CAP YES NO N/A

CASING LOCKED YES NO N/A

COLLAR YES NO N/A

DRAWDOWN: 0.8 FT

DRAWDOWN VOLUME: 8.074 GAL

PRODUCT THICKNESS: NA FT

((Initial - Final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.157 L/MIN

BEGIN PURGING: 14:08

END PURGING: 14:22

TOTAL VOL. PURGED: 1.63 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA	Time	VOL. Purged (L)	pH (unit)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
14:05	FC	0.89	6.89	0.816	6.44	2.30	11.08	35.1	12.1	clear - no odor
14:15	1	0.88	6.88	0.997	2.90	1.26	10.51	74.2	12.3	slowed pump
14:21	1	0.91	6.91	0.795	2.82	1.30	10.56	71.3	12.38	slowed pump
14:28	1	0.95	6.95	0.797	1.30	1.33	10.70	28.4	12.33	clear - no odor
14:35	1	0.96	6.96	0.797	0.68	1.27	10.65	27.9	12.40	
14:42	1	0.98	6.98	0.796	0.81	1.20	10.62	28.8	12.41	clear - no odor
14:45										collect sample

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☐ PERISTALTIC ☐ SUBMERSIBLE ☒ OTHER NA

TYPE OF TUBING: ☐ TEFLON OR TEFLON LINED ☐ HIGH DENSITY POLYETHYLENE ☒ OTHER NA

TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ STAINLESS STEEL ☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFLON ☒ OTHER NA

PURGE OBSERVATIONS: Tailing starts @ 14:35 ft b/c

SIGNATURE: [Signature]

Revised: GW_Sample_Form.xls

Wood Environment & Infrastructure Solutions Inc.

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2019 Semi-Annual Sampling Event

SITE ID: W-5

SITE TYPE: Monitor Well

DATE: 5-22-19

SITE ACTIVITY: START 12:16 END 13:53

JOB NUMBER: 303152028.18

WATER LEVEL: MEASUREMENT POINT
☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): 0.75 FT

PROTECTIVE CASING / WELL DIFFERENCE: 0.75 FT

INITIAL DEPTH TO WATER: 5.1 FT

WELL DEPTH: 2.18 FT

PID AMBIENT AIR: NA PPM

WELL DIAMETER: 2 IN

FINAL DEPTH TO WATER: 8.9 FT

SCREEN LENGTH: 5 FT

PID WELL MOUTH: NA PPM

WELL INTEGRITY: CAP YES NO N/A

CASING LOCKED YES NO N/A

COLLAR YES NO N/A

DRAWDOWN: 3.82 FT

DRAWDOWN VOLUME: 0.611 GAL

PRODUCT THICKNESS: NA FT

((Initial - Final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.097 L/MIN

BEGIN PURGING: 12:22

END PURGING: 13:43

TOTAL VOL. PURGED: 2.05 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA	Time	VOL. Purged (L)	pH (unit)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
12:25	FC	0.67	6.78	1.113	10.0	3.45	11.33	-59.9	6.12	slowed pump
12:35	1	0.68	6.78	1.113	12.9	0.49	11.70	-93.8	7.47	orange tint - slowed pump
12:43	1	0.81	6.81	1.112	59.4	0.74	11.74	-44.5	8.17	slowed pump
12:53	1	0.84	6.84	1.104	49.0	0.62	11.82	-51.3	8.55	slowed pump
13:03	0.9	6.82	1.102	28.6	0.30	11.84	-57.0	8.80		
13:13	0.8	6.81	1.098	17.6	0.24	11.89	-57.2	8.91		clear - no odor
13:23	0.8	6.81	1.095	12.4	0.20	11.80	-56.0	8.94		
13:33	0.8	6.81	1.094	8.24	0.18	11.74	-55.0	8.96		
13:43	0.8	6.80	1.092	8.04	0.17	11.69	-52.3	8.98		clear - no odor
13:45										collect sample

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☐ PERISTALTIC ☐ SUBMERSIBLE ☒ OTHER NA

TYPE OF TUBING: ☐ TEFLON OR TEFLON LINED ☐ HIGH DENSITY POLYETHYLENE ☒ OTHER NA

TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ STAINLESS STEEL ☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFLON ☒ OTHER NA

PURGE OBSERVATIONS: Tailing starts @ 13:35 ft b/c

SIGNATURE: [Signature]

Revised: GW_Sample_Form.xls

Wood Environment & Infrastructure Solutions Inc.

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2019 Semi-Annual Sampling Event

SITE ID: BR-01

SITE TYPE: Monitor Well

DATE: 05-23-19

SITE ACTIVITY: START 09:40 END 10:52

JOB NUMBER: 303152028.18

WATER LEVEL: MEASUREMENT POINT
☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): 2.3 FT

PROTECTIVE CASING / WELL DIFFERENCE: 2.3 FT

INITIAL DEPTH TO WATER: 12.30 FT

WELL DEPTH: 35.6 FT

PID AMBIENT AIR: NA PPM

WELL DIAMETER: NA IN

FINAL DEPTH TO WATER: 12.76 FT

SCREEN LENGTH: 12.5 FT

PID WELL MOUTH: NA PPM

WELL INTEGRITY: CAP YES NO N/A

CASING LOCKED YES NO N/A

COLLAR YES NO N/A

DRAWDOWN: 0.66 FT

DRAWDOWN VOLUME: 0.489 GAL

PRODUCT THICKNESS: NA FT

((Initial - Final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.150 L/MIN

BEGIN PURGING: 09:45

END PURGING: 10:05

TOTAL VOL. PURGED: 2.47 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA	Time	VOL. Purged (L)	pH (unit)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
09:50	FC	0.99	6.99	0.841	40.8	2.19	12.91	-51.6	12.57	orange tint - slowed pump
10:00	1	0.94	6.94	0.869	33.6	0.30	12.92	-62.7	12.79	
10:12	2	0.93	6.93	0.940	24.6	0.29	17.02	-56.1	12.89	
10:24	2	0.92	6.92	0.953	15.3	0.37	13.02	-56.4	12.98	slowed pump
10:31	1	0.91	6.91	0.995	10.1	0.30	13.07	-61.8	12.97	clear - slight odor
10:38	1	0.91	6.91	0.998	7.76	0.25	13.18	-60.3	12.96	
10:45	1	0.91	6.91	0.994	5.43	0.21	13.20	-62.2	12.96	
10:47										collect sample

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☐ PERISTALTIC ☐ SUBMERSIBLE ☒ OTHER NA

TYPE OF TUBING: ☐ TEFLON OR TEFLON LINED ☐ HIGH DENSITY POLYETHYLENE ☒ OTHER NA

TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ STAINLESS STEEL ☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFLON ☒ OTHER NA

PURGE OBSERVATIONS: Tailing starts @ 25.8 ft b/c

SIGNATURE: [Signature]

Revised: GW_Sample_Form.xls

Wood Environment & Infrastructure Solutions Inc.

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2019 Semi-Annual Sampling Event

SITE ID: BR-02

SITE TYPE: Monitor Well

DATE: 5-22-19

SITE ACTIVITY: START 15:47 END

JOB NUMBER: 303152028.18

WATER LEVEL: MEASUREMENT POINT
☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): 0.75 FT

PROTECTIVE CASING / WELL DIFFERENCE: 0.75 FT

INITIAL DEPTH TO WATER: 2.16 FT

WELL DEPTH: 14.4 FT

PID AMBIENT AIR: NA PPM

WELL DIAMETER: 4 IN

FINAL DEPTH TO WATER: 22.54 FT

SCREEN LENGTH: 0.5 FT

PID WELL MOUTH: NA PPM

WELL INTEGRITY: CAP YES NO N/A

CASING LOCKED YES NO N/A

COLLAR YES NO N/A

DRAWDOWN: 0.36 FT

DRAWDOWN VOLUME: 0.247 GAL

PRODUCT THICKNESS: NA FT

((Initial - Final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.134 L/MIN

BEGIN PURGING: 15:45

END PURGING: 16:14

TOTAL VOL. PURGED: 1.88 GAL

(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA	Time	VOL. Purged (L)	pH (unit)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
15:49	FC	0.50	6.50	0.663	16.9	3.12	14.26	-106.9	22.31	clear - no odor
15:57	1	0.59	6.59	0.654	12.3	0.30	13.81	-133.9	22.43	
16:07	1	0.68	6.68	0.655	8.35	0.25	13.83	-174.5	22.47	slowed pump
16:15	1	0.65	6.65	0.654	8.96	0.23	14.06	-186.6	22.51	
16:23	1	0.65	6.65	0.654	8.25	0.21	13.89	-136.6	22.54	
16:31	1	0.65	6.65	0.654	8.60	0.19	13.70	-131.3	22.54	
16:49	1	0.65	6.65	0.654	7.53	0.18	13.88	-137.8	22.54	
16:50										collect sample

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: ☐ PERISTALTIC ☐ SUBMERSIBLE ☒ OTHER NA

TYPE OF TUBING: ☐ TEFLON OR TEFLON LINED ☐ HIGH DENSITY POLYETHYLENE ☒ OTHER NA

TYPE OF PUMP MATERIAL: ☐ POLYVINYL CHLORIDE ☐ STAINLESS STEEL ☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFLON ☒ OTHER NA

PURGE OBSERVATIONS: Tailing starts @ 24.9 ft b/c

SIGNATURE: [Signature]

Revised: GW_Sample_Form.xls

FIELD DATA RECORD - GROUNDWATER SAMPLING

WATER LEVEL		MEASUREMENT POINT		PROTECTIVE CASING SETBACK (FROM GROUND)		PROTECTIVE CASING WELL DIFFERENCE		
X		Y		Z		W		
TOP OF WELL INSIDE		TOP OF PROTECTIVE CASING		PID AMBIENT AIR		WELL DIAMETER		
OTHER		OTHER		PID WELL MOUTH		YES NO		
INITIAL DEPTH TO WATER	9.80 NA	WELL DEPTH	10.0 NA	PID AMBIENT AIR	NA	WELL DIAMETER	4.0 NA	NO
FINAL DEPTH TO WATER	10.4 NA	SCREEN LENGTH	1.0 NA	PID WELL MOUTH	NA	YES	NO	NA
DRAWDOWN	1.5 NA	DRAWDOWN VOLUME	1.88 NA	PRODUCT THICKNESS	NA	INTEGRITY: CAP CAGING COLLAR	YES	NO

PURGE DATA	VOL Purged (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
07:41	FC	7.39	0.7749	11.4	1.56	11.50	-92.5	0.75	Drainage not
07:41	1.5	7.55	0.768	56.3	0.64	11.46	-133.2	10.12	Slowed p
07:43	1.5	7.66	0.766	32.5	0.52	11.78	-165.1	10.52	Slowed p
07:31	0.8	7.67	0.765	17.9	0.26	11.82	-171.5	10.63	Clear - no
07:39	0.8	7.68	0.764	16.7	0.22	11.84	-172.7	10.79	Slowed p
07:48	0.8	7.69	0.763	17.1	0.23	11.61	-187.1	10.69	
07:55	0.8	7.67	0.761	13.7	0.23	11.74	-171.5	10.91	Clear - no
08:06	0.8	7.65	0.761	16.2	0.32	11.70	-170.2	10.82	
08:14	0.8	7.65	0.761	9.56	0.32	12.26	-166.5	10.83	
08:24	0.8	7.65	0.764	9.53	0.20	12.17	-167.2	10.53	

PURGE OBSERVATIONS		NOTES	
Tubing intake @	25.9 ft b7c	☒ VOC (moist air)	Preservation HCL Sample Name <u>OK-03</u> Time Collected <u>0x:25</u>
		☐ VFA	
		☐ Sulfide	
		☐ Methane/Ethane	
		☐ Duplicate	
		* - small George Clark in purge water. and in sample	
SIGNATURE: _____			

Rochester GW Sample Form.14

FIELD DATA RECORD - GROUNDWATER SAMPLING

WATER LEVEL		MEASUREMENT POINT		PROTECTIVE CASING STICKUP (FROM GROUND)		PROTECTIVE CASING WELL DIFFERENCE		
X TOP OF WELL RISER		TOP OF PROTECTIVE CASING OTHER		-0.75		-0.75		
INITIAL DEPTH TO WATER	16.56	FT	WELL DEPTH	44.2	FT	PID AMBIENT AIR	WELL DIAMETER	
FINAL DEPTH TO WATER	16.56	FT	SCREEN LENGTH	NA	FT	WELL MOUNT	WELL CAP	YES
DRAWDOWN	0	FT	DRAWDOWN VOLUME	0	SEC	PRODUCT THICKNESS	WELL CAP LOCKED COLLAR	YES

[illegible]

PURGE OBSERVATIONS		NOTES	
Tubing Intake @	26.15 ft bbl	☒ VOC (modified test)	Preservation HCL
		☐ VFA	Sample Name <u>BR-04</u>
		☐ Sulfate	Time Collected <u>12:18</u>
		☐ Methane/Ethane	
		☐ Duplicate	
Signature: <u>[Signature]</u>		Purged ~ 1L before connecting to the Flow Cell. Water was mist Col with black flakus.	

Rochester GW Sample Form 2b

FIELD DATA RECORD - GROUNDWATER SAMPLING

WATER LEVEL		MEASUREMENT POINT		PROTECTIVE CASING SETBACK (FROM GROUND)		PROTECTIVE CASING WELL DIFFERENCE			
		X TOP OF WELL RISER		X TOP OF PROTECTIVE CASING		NA FT		0.5 NA FT	
		OR OTHER							
INITIAL DEPTH TO WATER	11.12 FT	WELL DEPTH	42.0 FT	PD	NA FT	WELL DEPTH	6 NA FT		
FINAL DEPTH TO WATER	11.12 FT	SCREEN LENGTH	NA FT	PD WELL MOUTH	NA PPM	WELL INTEGRITY: CAP	YES	NO	NA
GRAWDOWN	0 NA FT	GRAWDOWN VOLUME	0 GAL	PRODUCT THICKNESS	NA FT	CASING LOCKED COLLAR	YES		

PURGE DATA		VOL. Purged (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
08:51	FC	2.67	7.28	16.7	1.73	13.57	-26.7	16.12	Clear - No	
09:01	2	7.65	7.26	8.65	0.32	13.42	-27.6	16.12		
09:11	2	7.66	7.25	5.09	0.38	13.72	-36.1	16.12		
09:16	1	7.66	7.25	5.55	0.35	13.68	-24.7	16.12		
09:21	1	7.66	7.25	7.38	0.14	13.47	-44.1	16.12		
09:26	1	7.65	7.25	5.56	0.17	13.55	-48.5	16.12		
09:27	1	7.66	7.25	4.28	0.18	13.65	-48.8	16.12		
09:33				Cell off	Shut off				Clear - A	

PURGE OBSERVATIONS		NOTES													
Tugging trials @ <u>25.0 f/1hr</u>	☒ VOC (injected ts) ☐ VOC ☐ Sulfide ☐ Methane/ethane ☐ Duplicate	Preservation HCL	<table border="1"> <thead> <tr> <th>Sample Name</th> <th>Time Collected</th> </tr> </thead> <tbody> <tr> <td>8X-10</td> <td>08:25:09</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> </tbody> </table>	Sample Name	Time Collected	8X-10	08:25:09	_____	_____	_____	_____	_____	_____	_____	_____
Sample Name	Time Collected														
8X-10	08:25:09														
_____	_____														
_____	_____														
_____	_____														
_____	_____														
SIGNATURE: <u></u>															

Rochester CV, Sarnola, Form 110

FIELD DATA RECORD - GROUNDWATER SAMPLING

[illegible]

PURGE DATA		VOL Purged (L)	pH (units)	SeC (conc) (mM)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
Time										
15:02	FC	8.05	8.05	4.31	2.60	15.78	12.3	18.60		Clear
15:14	2	8.50	8.174	2.72	2.05	15.18	9.6	18.71		
15:26	2	8.40	8.124	2.16	0.72	15.13	10.5	19.22		
15:38	2	8.43	8.172	1.53	0.69	15.23	10.8	19.51		
15:50	2	8.46	8.173	1.54	0.52	15.11	12.1	19.79		
16:02	2	8.51	8.173	1.67	0.41	15.22	10.7	20.02		
16:14	2	8.54	8.174	1.01	0.38	15.15	11.2	20.25		
16:26	2	8.53	8.173	1.26	0.40	15.08	14.1	20.45		slowed
16:36	1.5	8.53	8.173	0.86	0.39	15.75	15.4	20.57		
16:46	1.5	8.54	8.173	0.86	0.38	15.53	16.5	20.67		slowed
16:56	1	8.58	8.173	0.77	0.37	15.34	14.0	20.74		slowed
17:03	1	8.60	8.174	0.77	0.35	15.50	12.8	20.76		
17:12	1	8.65	8.174	0.08	0.39	15.53	12.2	20.78		
17:21	1	8.68	8.173	0.83	0.40	15.54	12.3	20.79		slow-no

PURGE OBSERVATIONS		NOTES	
Tugging inside @ <u>29.05 ft b/tvc</u>		☒ VOC (modified list) ☐ VOCs ☐ Solvents ☐ Methanals/Ethers ☐ Duplicates	Preservation: <u>IR-15</u> Time Collected: <u>17:25</u> _____ _____ _____
SIGNATURE: <u>msd</u>		<u>ms/msd @ 17:25</u>	

Rochester DM Sample Form 41

Wood Environment & Infrastructure Solutions Inc.

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2019 Semi-Annual Sampling Event
DATE: 5-23-19

SITE ID: QAFB-01 SITE TYPE: Monitor Well

SITE ACTIVITY: START 12:50 END 12:58 JOB NUMBER: 3031152028.15

WATER LEVEL
MEASUREMENT POINT
☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) NA FT PROTECTIVE CASING / WELL DIFFERENCE NA FT

INITIAL DEPTH TO WATER NA FT WELL DEPTH NA FT PID AMBIENT AIR NA PPM WELL DIAMETER NA IN

FINAL DEPTH TO WATER NA FT SCREEN LENGTH NA FT PID WELL MOUTH NA PPM WELL INTEGRITY: CAP YES NO N/A

DRAWDOWN NA FT DRAWDOWN VOLUME NA GAL PRODUCT THICKNESS NA FT CASING LOCKED COLLAR

[[Initial - final] x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch)]

PURGE RATE NA L/MIN BEGIN PURGING NA END PURGING NA TOTAL VOL. PURGED NA GAL
(purge rate (L/min) x duration (min) x 0.28 gal/L)

PURGE DATA
Time 12:55 Vol. Purged (L) 0 pH (units) 7.0 SpC (cond) (mS/cm) 100 TURBIDITY (NTU) 0 DO (mg/L) 0 TEMPERATURE (°C) 10 ORP (mV) 0 WATER LEVEL Comments

EQUIPMENT DOCUMENTATION
TYPE OF PUMP
☐ PERISTALTIC
☐ SUBMERSIBLE
☒ OTHER NA

TYPE OF TUBING
☐ TEFLON OR TEFLON LINED
☐ HIGH DENSITY POLYETHYLENE
☒ OTHER NA

TYPE OF PUMP MATERIAL
☐ POLYVINYL CHLORIDE
☐ TEFLON
☒ STAINLESS STEEL
☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable)
☒ OTHER NA

PURGE OBSERVATIONS
Tubing intake @
Signature: [Signature]

NOTES
☒ VOC (modified list)
☐ VFA's
☐ Sulfate
☐ Methane/Ethane
☐ Duplicate

Preservation: HCL Sample Name: QAFB-01 Time Collected: 12:55

Rochester GW_Sample_Form.xls

Wood Environment & Infrastructure Solutions Inc.

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2019 Semi-Annual Sampling Event
DATE: 5-23-19

SITE ID: QARB-01 SITE TYPE: Monitor Well

SITE ACTIVITY: START 12:58 END 12:59 JOB NUMBER: 3031152028.16

WATER LEVEL
MEASUREMENT POINT
☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) NA FT PROTECTIVE CASING / WELL DIFFERENCE NA FT

INITIAL DEPTH TO WATER NA FT WELL DEPTH NA FT PID AMBIENT AIR NA PPM WELL DIAMETER NA IN

FINAL DEPTH TO WATER NA FT SCREEN LENGTH NA FT PID WELL MOUTH NA PPM WELL INTEGRITY: CAP YES NO N/A

DRAWDOWN NA FT DRAWDOWN VOLUME NA GAL PRODUCT THICKNESS NA FT CASING LOCKED COLLAR

[[Initial - final] x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch)]

PURGE RATE NA L/MIN BEGIN PURGING NA END PURGING NA TOTAL VOL. PURGED NA GAL
(purge rate (L/min) x duration (min) x 0.28 gal/L)

PURGE DATA
Time 12:58 Vol. Purged (L) 0 pH (units) 7.0 SpC (cond) (mS/cm) 100 TURBIDITY (NTU) 0 DO (mg/L) 0 TEMPERATURE (°C) 10 ORP (mV) 0 WATER LEVEL Comments

EQUIPMENT DOCUMENTATION
TYPE OF PUMP
☐ PERISTALTIC
☐ SUBMERSIBLE
☒ OTHER NA

TYPE OF TUBING
☐ TEFLON OR TEFLON LINED
☐ HIGH DENSITY POLYETHYLENE
☒ OTHER NA

TYPE OF PUMP MATERIAL
☐ POLYVINYL CHLORIDE
☐ TEFLON
☒ STAINLESS STEEL
☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable)
☒ OTHER NA

PURGE OBSERVATIONS
Tubing intake @
Signature: [Signature]

NOTES
☒ VOC (modified list)
☐ VFA's
☐ Sulfate
☐ Methane/Ethane
☐ Duplicate

Preservation: HCL Sample Name: QARB-01 Time Collected: 12:58

Rochester GW_Sample_Form.xls

Wood Environment & Infrastructure Solutions Inc.

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2019 Semi-Annual Sampling Event
DATE: 9-27-19

SITE ID: QATB-01 SITE TYPE: Monitor Well

SITE ACTIVITY: START 13:03 END 13:07 JOB NUMBER: 3031152028.18

WATER LEVEL
MEASUREMENT POINT
☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) NA FT PROTECTIVE CASING / WELL DIFFERENCE NA FT

INITIAL DEPTH TO WATER NA FT WELL DEPTH NA FT PID AMBIENT AIR NA PPM WELL DIAMETER NA IN

FINAL DEPTH TO WATER NA FT SCREEN LENGTH NA FT PID WELL MOUTH NA PPM WELL INTEGRITY: CAP YES NO N/A

DRAWDOWN NA FT DRAWDOWN VOLUME NA GAL PRODUCT THICKNESS NA FT CASING LOCKED COLLAR

[[Initial - final] x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch)]

PURGE RATE NA L/MIN BEGIN PURGING NA END PURGING NA TOTAL VOL. PURGED NA GAL
(purge rate (L/min) x duration (min) x 0.28 gal/L)

PURGE DATA
Time 13:05 Vol. Purged (L) 0 pH (units) 7.0 SpC (cond) (mS/cm) 100 TURBIDITY (NTU) 0 DO (mg/L) 0 TEMPERATURE (°C) 10 ORP (mV) 0 WATER LEVEL Comments

EQUIPMENT DOCUMENTATION
TYPE OF PUMP
☐ PERISTALTIC
☐ SUBMERSIBLE
☒ OTHER NA

TYPE OF TUBING
☐ TEFLON OR TEFLON LINED
☐ HIGH DENSITY POLYETHYLENE
☒ OTHER NA

TYPE OF PUMP MATERIAL
☐ POLYVINYL CHLORIDE
☐ TEFLON
☒ STAINLESS STEEL
☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable)
☒ OTHER NA

PURGE OBSERVATIONS
Tubing intake @
Signature: [Signature]

NOTES
☒ VOC (modified list)
☐ VFA's
☐ Sulfate
☐ Methane/Ethane
☐ Duplicate

Preservation: HCL Sample Name: QATB-01 Time Collected: 13:05

Rochester GW_Sample_Form.xls

Wood Environment & Infrastructure Solutions Inc.

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2019 Semi-Annual Sampling Event
DATE: 5-23-19

SITE ID: QARB-02 SITE TYPE: Monitor Well

SITE ACTIVITY: START 13:08 END 13:12 JOB NUMBER: 3031152028.16

WATER LEVEL
MEASUREMENT POINT
☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) NA FT PROTECTIVE CASING / WELL DIFFERENCE NA FT

INITIAL DEPTH TO WATER NA FT WELL DEPTH NA FT PID AMBIENT AIR NA PPM WELL DIAMETER NA IN

FINAL DEPTH TO WATER NA FT SCREEN LENGTH NA FT PID WELL MOUTH NA PPM WELL INTEGRITY: CAP YES NO N/A

DRAWDOWN NA FT DRAWDOWN VOLUME NA GAL PRODUCT THICKNESS NA FT CASING LOCKED COLLAR

[[Initial - final] x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch)]

PURGE RATE NA L/MIN BEGIN PURGING NA END PURGING NA TOTAL VOL. PURGED NA GAL
(purge rate (L/min) x duration (min) x 0.28 gal/L)

PURGE DATA
Time 13:10 Vol. Purged (L) 0 pH (units) 7.0 SpC (cond) (mS/cm) 100 TURBIDITY (NTU) 0 DO (mg/L) 0 TEMPERATURE (°C) 10 ORP (mV) 0 WATER LEVEL Comments

EQUIPMENT DOCUMENTATION
TYPE OF PUMP
☐ PERISTALTIC
☐ SUBMERSIBLE
☒ OTHER NA

TYPE OF TUBING
☐ TEFLON OR TEFLON LINED
☐ HIGH DENSITY POLYETHYLENE
☒ OTHER NA

TYPE OF PUMP MATERIAL
☐ POLYVINYL CHLORIDE
☐ TEFLON
☒ STAINLESS STEEL
☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable)
☒ OTHER NA

PURGE OBSERVATIONS
Tubing intake @
Signature: [Signature]

NOTES
☒ VOC (modified list)
☐ VFA's
☐ Sulfate
☐ Methane/Ethane
☐ Duplicate

Preservation: HCL Sample Name: QARB-02 Time Collected: 13:10

Rochester GW_Sample_Form.xls

OCTOBER 2019
FIELD DATA RECORDS

Wood Environment & Infrastructure Solutions Inc.																																																																																																																																													
FIELD DATA RECORD - GROUNDWATER SAMPLING																																																																																																																																													
PROJECT		Former Taylor Instruments 2019 Semi-Annual Sampling Event				DATE		10-10-19																																																																																																																																					
SITE ID		BR-01				SITE TYPE		Monitor Well																																																																																																																																					
SITE ACTIVITY		START 11:45 END 13:27				JOB NUMBER		3031152028.18																																																																																																																																					
WATER LEVEL		MEASUREMENT POINT ☒ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER				PROTECTIVE CASING STICKUP (FROM GROUND)		2.3 FT		PROTECTIVE CASING / WELL DIFFERENCE																																																																																																																																			
INITIAL DEPTH TO WATER		12.39 FT		WELL DEPTH		38.6 FT		PID AMBIENT AIR		NA PPM																																																																																																																																			
FINAL DEPTH TO WATER		13.34 FT		SCREEN LENGTH		NA FT		PID WELL MOUTH		NA PPM																																																																																																																																			
DRAWDOWN		0.95 FT		DRAWDOWN VOLUME		0.6175 GAL		PRODUCT THICKNESS		NA FT																																																																																																																																			
(Initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch)																																																																																																																																													
PURGE RATE		0.145 L/MIN		BEGIN PURGING		11:53		END PURGING		13:18																																																																																																																																			
TOTAL VOL. PURGED		3.21 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)																																																																																																																																											
<table border="1"> <thead> <tr> <th>Time</th> <th>VOL Purged (L)</th> <th>pH (units)</th> <th>SpC (cond) (mS/cm)</th> <th>TURBIDITY (NTU)</th> <th>DO (mg/L)</th> <th>TEMPERATURE (°C)</th> <th>ORP (mV)</th> <th>WATER LEVEL</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>11:56</td> <td>PC</td> <td>7.00</td> <td>0.982</td> <td>33.3</td> <td>1.11</td> <td>15.12</td> <td>-56.9</td> <td>12.59</td> <td>clear - no odor</td> </tr> <tr> <td>12:06</td> <td>1.6</td> <td>7.03</td> <td>0.899</td> <td>31.9</td> <td>0.47</td> <td>15.19</td> <td>-80.0</td> <td>12.97</td> <td>clear - no odor</td> </tr> <tr> <td>12:16</td> <td>1.6</td> <td>7.00</td> <td>0.914</td> <td>23.0</td> <td>1.15</td> <td>15.06</td> <td>-75.8</td> <td>13.20</td> <td>slowed pump</td> </tr> <tr> <td>12:26</td> <td>1.5</td> <td>6.96</td> <td>0.804</td> <td>15.2</td> <td>1.74</td> <td>15.22</td> <td>-60.3</td> <td>13.24</td> <td>clear - small black flakes</td> </tr> <tr> <td>12:36</td> <td>1.5</td> <td>6.97</td> <td>1.014</td> <td>7.46</td> <td>2.17</td> <td>15.28</td> <td>-75.0</td> <td>13.33</td> <td>slowed pump</td> </tr> <tr> <td>12:46</td> <td>1.3</td> <td>6.97</td> <td>1.016</td> <td>7.32</td> <td>1.98</td> <td>15.47</td> <td>-57.2</td> <td>13.34</td> <td>clear - no odor</td> </tr> <tr> <td>12:54</td> <td>1</td> <td>6.95</td> <td>1.024</td> <td>6.77</td> <td>1.41</td> <td>15.50</td> <td>-54.4</td> <td>13.24</td> <td>small black flakes</td> </tr> <tr> <td>13:02</td> <td>1</td> <td>6.94</td> <td>1.026</td> <td>5.66</td> <td>1.12</td> <td>15.45</td> <td>-51.8</td> <td>13.34</td> <td></td> </tr> <tr> <td>13:10</td> <td>1</td> <td>6.95</td> <td>1.027</td> <td>5.66</td> <td>0.79</td> <td>15.54</td> <td>-48.7</td> <td>13.34</td> <td></td> </tr> <tr> <td>13:18</td> <td>1</td> <td>6.94</td> <td>1.026</td> <td>5.45</td> <td>0.61</td> <td>15.42</td> <td>-48.5</td> <td>13.34</td> <td></td> </tr> <tr> <td>13:20</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>clear - no odor</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>small black flakes</td> </tr> </tbody> </table>												Time	VOL Purged (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments	11:56	PC	7.00	0.982	33.3	1.11	15.12	-56.9	12.59	clear - no odor	12:06	1.6	7.03	0.899	31.9	0.47	15.19	-80.0	12.97	clear - no odor	12:16	1.6	7.00	0.914	23.0	1.15	15.06	-75.8	13.20	slowed pump	12:26	1.5	6.96	0.804	15.2	1.74	15.22	-60.3	13.24	clear - small black flakes	12:36	1.5	6.97	1.014	7.46	2.17	15.28	-75.0	13.33	slowed pump	12:46	1.3	6.97	1.016	7.32	1.98	15.47	-57.2	13.34	clear - no odor	12:54	1	6.95	1.024	6.77	1.41	15.50	-54.4	13.24	small black flakes	13:02	1	6.94	1.026	5.66	1.12	15.45	-51.8	13.34		13:10	1	6.95	1.027	5.66	0.79	15.54	-48.7	13.34		13:18	1	6.94	1.026	5.45	0.61	15.42	-48.5	13.34		13:20									clear - no odor										small black flakes
Time	VOL Purged (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments																																																																																																																																				
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PROJECT		Former Taylor Instruments 2019 Semi-Annual Sampling Event				DATE		10-9-19																																																																																																																	
SITE ID		BR-02				SITE TYPE		Monitor Well																																																																																																																	
SITE ACTIVITY		START 14:40 END				JOB NUMBER		3031152028.18																																																																																																																	
WATER LEVEL		MEASUREMENT POINT ☒ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER				PROTECTIVE CASING STICKUP (FROM GROUND)		-0.5 FT		PROTECTIVE CASING / WELL DIFFERENCE																																																																																																															
INITIAL DEPTH TO WATER		22.93 FT		WELL DEPTH		44 FT		PID AMBIENT AIR		NA PPM																																																																																																															
FINAL DEPTH TO WATER		23.40 FT		SCREEN LENGTH		NA FT		PID WELL MOUTH		NA PPM																																																																																																															
DRAWDOWN		0.47 FT		DRAWDOWN VOLUME		0.3055 GAL		PRODUCT THICKNESS		NA FT																																																																																																															
(Initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch)																																																																																																																									
PURGE RATE		0.1175 L/MIN		BEGIN PURGING		14:48		END PURGING		16:15																																																																																																															
TOTAL VOL. PURGED		2.66 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)																																																																																																																							
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Time	VOL Purged (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments																																																																																																																
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Tubing Intake @ 24.9 ft b10c 23.5 ft b1s SIGNATURE: <i>[Signature]</i>																																																																																																																									
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PROJECT		Former Taylor Instruments 2019 Semi-Annual Sampling Event				DATE		10-9-19																																																																																																																																					
SITE ID		BR-03				SITE TYPE		Monitor Well																																																																																																																																					
SITE ACTIVITY		START 12:43 END 14:38				JOB NUMBER		3031152028.18																																																																																																																																					
WATER LEVEL		MEASUREMENT POINT ☒ TOP OF WELL RISER ☐ TOP OF PROTECTIVE CASING ☐ OTHER				PROTECTIVE CASING STICKUP (FROM GROUND)		2.4 FT		PROTECTIVE CASING / WELL DIFFERENCE																																																																																																																																			
INITIAL DEPTH TO WATER		10.85 FT		WELL DEPTH		40.1 FT		PID AMBIENT AIR		NA PPM																																																																																																																																			
FINAL DEPTH TO WATER		12.24 FT		SCREEN LENGTH		NA FT		PID WELL MOUTH		NA PPM																																																																																																																																			
DRAWDOWN		1.39 FT		DRAWDOWN VOLUME		0.9033 GAL		PRODUCT THICKNESS		NA FT																																																																																																																																			
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PURGE RATE		0.108 L/MIN		BEGIN PURGING		12:47		END PURGING		14:30																																																																																																																																			
TOTAL VOL. PURGED		2.89 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)																																																																																																																																											
<table border="1"> <thead> <tr> <th>Time</th> <th>VOL Purged (L)</th> <th>pH (units)</th> <th>SpC (cond) (mS/cm)</th> <th>TURBIDITY (NTU)</th> <th>DO (mg/L)</th> <th>TEMPERATURE (°C)</th> <th>ORP (mV)</th> <th>WATER LEVEL</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>12:50</td> <td>PC</td> <td>8.10</td> <td>0.661</td> <td>11.5</td> <td>3.40</td> <td>16.24</td> <td>-126.6</td> <td>11.15</td> <td>clear - no odor</td> </tr> <tr> <td>13:00</td> <td>1.5</td> <td>8.03</td> <td>0.648</td> <td>8.87</td> <td>0.31</td> <td>16.33</td> <td>-190.3</td> <td>11.57</td> <td>clear - small black flakes</td> </tr> <tr> <td>13:10</td> <td>1.2</td> <td>8.07</td> <td>0.649</td> <td>7.13</td> <td>0.24</td> <td>16.42</td> <td>-244.4</td> <td>11.50</td> <td>slowed pump</td> </tr> <tr> <td>13:20</td> <td>1.2</td> <td>7.62</td> <td>0.773</td> <td>26.0</td> <td>0.28</td> <td>16.63</td> <td>-160.9</td> <td>11.92</td> <td>urges to quit</td> </tr> <tr> <td>13:30</td> <td>1.2</td> <td>7.53</td> <td>0.791</td> <td>6.04</td> <td>0.57</td> <td>16.45</td> <td>-116.9</td> <td>12.07</td> <td>slowed pump</td> </tr> <tr> <td>13:40</td> <td>1.0</td> <td>7.54</td> <td>0.797</td> <td>7.25</td> <td>0.34</td> <td>16.50</td> <td>-122.2</td> <td>12.13</td> <td>clear - black flakes</td> </tr> <tr> <td>13:50</td> <td>1.0</td> <td>7.55</td> <td>0.792</td> <td>4.04</td> <td>0.36</td> <td>16.49</td> <td>-111.9</td> <td>12.16</td> <td></td> </tr> <tr> <td>14:00</td> <td>1.0</td> <td>7.54</td> <td>0.781</td> <td>2.27</td> <td>0.41</td> <td>16.41</td> <td>-88.2</td> <td>12.20</td> <td>slowed pump</td> </tr> <tr> <td>14:10</td> <td>0.9</td> <td>7.53</td> <td>0.780</td> <td>2.47</td> <td>0.44</td> <td>16.33</td> <td>-91.1</td> <td>12.22</td> <td></td> </tr> <tr> <td>14:20</td> <td>0.9</td> <td>7.54</td> <td>0.784</td> <td>4.50</td> <td>0.36</td> <td>16.35</td> <td>-101.3</td> <td>12.23</td> <td></td> </tr> <tr> <td>14:30</td> <td>0.9</td> <td>7.53</td> <td>0.786</td> <td>2.80</td> <td>0.32</td> <td>16.26</td> <td>-104.5</td> <td>12.24</td> <td></td> </tr> <tr> <td>14:32</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>clear - no odor</td> </tr> </tbody> </table>												Time	VOL Purged (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments	12:50	PC	8.10	0.661	11.5	3.40	16.24	-126.6	11.15	clear - no odor	13:00	1.5	8.03	0.648	8.87	0.31	16.33	-190.3	11.57	clear - small black flakes	13:10	1.2	8.07	0.649	7.13	0.24	16.42	-244.4	11.50	slowed pump	13:20	1.2	7.62	0.773	26.0	0.28	16.63	-160.9	11.92	urges to quit	13:30	1.2	7.53	0.791	6.04	0.57	16.45	-116.9	12.07	slowed pump	13:40	1.0	7.54	0.797	7.25	0.34	16.50	-122.2	12.13	clear - black flakes	13:50	1.0	7.55	0.792	4.04	0.36	16.49	-111.9	12.16		14:00	1.0	7.54	0.781	2.27	0.41	16.41	-88.2	12.20	slowed pump	14:10	0.9	7.53	0.780	2.47	0.44	16.33	-91.1	12.22		14:20	0.9	7.54	0.784	4.50	0.36	16.35	-101.3	12.23		14:30	0.9	7.53	0.786	2.80	0.32	16.26	-104.5	12.24		14:32									clear - no odor
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Rochester GW_Sample_Form1.xls																																																																																																																																													

Wood Environment & Infrastructure Solutions Inc.

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2019 Semi-Annual Sampling Event
SITE ID: BR-04
SITE TYPE: Monitor Well
DATE: 10-10-19
SITE ACTIVITY: START 09:19 END 09:35
JOB NUMBER: 303152028.18

WATER LEVEL
MEASUREMENT POINT
☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER
PROTECTIVE CASING STICKUP (FROM GROUND) ☐ FT
PROTECTIVE CASING / WELL DIFFERENCE ☐ FT
INITIAL DEPTH TO WATER 18.19 FT
WELL DEPTH 44.2 FT
PID AMBIENT AIR NA PPM
WELL DIAMETER 4 IN
FINAL DEPTH TO WATER 16.19 FT
SCREEN LENGTH NA FT
PID WELL MOUTH NA PPM
WELL INTEGRITY: CAP YES NO N/A
CASKING LOCKED YES NO N/A
COLLAR YES NO N/A
DRAWDOWN 8 FT
DRAWDOWN VOLUME 8 GAL
PRODUCT THICKNESS NA FT
(Initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch)
PURGE RATE 0.200 L/MIN BEGIN PURGING 09:25 END PURGING 10:28 TOTAL VOL. PURGED 3.28 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOL Purged (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
09:38	2	7.31	0.137	97.4	0.34	16.05	-36.8	18.19	Orange tint water
09:38	2	7.31	0.137	97.4	0.34	16.05	-36.8	18.19	Orange tint water
09:46	2	7.04	1.31	21.4	0.28	15.91	-71.0	18.19	1st orange tint
09:58	2	7.03	1.629	13.8	0.57	15.97	-67.8	18.19	Orange tint
10:03	1	7.03	1.630	12.7	1.04	15.98	-57.6	18.19	
10:13	2	7.01	1.804	8.50	1.08	16.02	-57.3	16.19	Clear - no odor
10:18	1	7.04	1.813	2.49	1.12	16.24	-57.7	18.19	Clear - no odor
10:23	1	7.04	1.843	2.48	1.10	16.25	-57.7	18.19	Clear - no odor
10:28	1	7.04	1.841	6.48	1.10	16.34	-60.6	18.19	
10:30									collect sample

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
☒ PERISTALTIC
☐ SUBMERSIBLE
☐ OTHER NA

TYPE OF TUBING
☐ TEFLON OR TEFLON LINED
☐ HIGH DENSITY POLYETHYLENE
☒ OTHER

TYPE OF PUMP MATERIAL
☐ POLYVINYL CHLORIDE
☐ STAINLESS STEEL
☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable)
☐ TEFLON
☒ OTHER NA

PURGE OBSERVATIONS

Tubing Intake @ 26.25 ft bbl
26.5 ft bbl
msl

SIGNATURE: msl

Rochester GW_Sample_Form1.xls

Wood Environment & Infrastructure Solutions Inc.

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2019 Semi-Annual Sampling Event
SITE ID: BR-10
SITE TYPE: Monitor Well
DATE: 10-10-19
SITE ACTIVITY: START 07:53 END 09:17
JOB NUMBER: 303152028.18

WATER LEVEL
MEASUREMENT POINT
☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER
PROTECTIVE CASING STICKUP (FROM GROUND) ☐ FT
PROTECTIVE CASING / WELL DIFFERENCE ☐ FT
INITIAL DEPTH TO WATER 17.74 FT
WELL DEPTH 47 FT
PID AMBIENT AIR NA PPM
WELL DIAMETER 6 IN
FINAL DEPTH TO WATER 17.74 FT
SCREEN LENGTH NA FT
PID WELL MOUTH NA PPM
WELL INTEGRITY: CAP YES NO N/A
CASKING LOCKED YES NO N/A
COLLAR YES NO N/A
DRAWDOWN 8 FT
DRAWDOWN VOLUME 8 GAL
PRODUCT THICKNESS NA FT
(Initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch)
PURGE RATE 0.200 L/MIN BEGIN PURGING 08:11 END PURGING 09:09 TOTAL VOL. PURGED 3.02 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOL Purged (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
08:10	2	7.31	0.724	24.8	2.29	13.85	6.6	17.74	Clear - Black Flakes
08:24	2	7.31	0.724	24.8	2.29	13.85	-138.1	17.74	Clear - Black Flakes
08:34	2	7.32	0.740	15.6	0.74	15.01	-167.9	17.74	
08:39	1	7.30	0.749	15.2	0.50	15.19	-167.9	17.74	
08:49	1	7.67	0.761	11.4	0.35	15.27	-164.5	17.74	
08:49	1	7.66	0.764	11.4	0.30	15.22	-162.0	17.74	
08:50	1	7.65	0.768	8.75	0.36	15.35	-158.4	17.74	
08:59	1	7.64	0.767	8.75	0.37	15.35	-157.7	17.74	Clear - no odor
09:04	1	7.64	0.769	6.96	0.31	15.39	-125.0	17.74	
09:09	1	7.64	0.764	6.97	0.28	15.45	-122.7	17.74	
09:18									Collect sample

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
☒ PERISTALTIC
☐ SUBMERSIBLE
☐ OTHER NA

TYPE OF TUBING
☐ TEFLON OR TEFLON LINED
☐ HIGH DENSITY POLYETHYLENE
☒ OTHER

TYPE OF PUMP MATERIAL
☐ POLYVINYL CHLORIDE
☐ STAINLESS STEEL
☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable)
☐ TEFLON
☒ OTHER NA

PURGE OBSERVATIONS

Tubing Intake @ 25.0 ft bbl
25.5 ft bbl
msl

SIGNATURE: msl

Rochester GW_Sample_Form1.xls

Wood Environment & Infrastructure Solutions Inc.

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2019 Semi-Annual Sampling Event
SITE ID: BR-15
SITE TYPE: Monitor Well
DATE: 10-9-19
SITE ACTIVITY: START 10:10 END 10:35
JOB NUMBER: 303152028.18

WATER LEVEL
MEASUREMENT POINT
☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER
PROTECTIVE CASING STICKUP (FROM GROUND) ☐ FT
PROTECTIVE CASING / WELL DIFFERENCE ☐ FT
INITIAL DEPTH TO WATER 19.97 FT
WELL DEPTH 72 FT
PID AMBIENT AIR NA PPM
WELL DIAMETER 6 IN
FINAL DEPTH TO WATER 22.08 FT
SCREEN LENGTH NA FT
PID WELL MOUTH NA PPM
WELL INTEGRITY: CAP YES NO N/A
CASKING LOCKED YES NO N/A
COLLAR YES NO N/A
DRAWDOWN 2.11 FT
DRAWDOWN VOLUME 3.165 GAL
PRODUCT THICKNESS NA FT
(Initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch)
PURGE RATE 0.136 L/MIN BEGIN PURGING 10:23 END PURGING 10:17 TOTAL VOL. PURGED 4.04 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOL Purged (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
10:27	1.5	8.66	0.332	12.0	2.56	15.55	160.4	20.11	Clear - no odor
10:32	0.75	8.14	0.303	11.7	0.94	15.54	143.4	20.22	
10:37	0.75	8.02	0.321	10.2	0.92	15.63	79.1	20.34	
10:47	1.5	8.27	0.318	6.34	0.72	15.65	29.4	20.63	
10:57	1.5	8.29	0.316	6.10	0.54	15.75	-11.2	20.94	
11:07	1.5	8.31	0.315	5.02	0.45	15.86	-38.0	21.14	
11:17	1.5	8.31	0.313	4.51	0.28	15.90	-53.4	21.37	
11:27	1.5	8.35	0.313	4.01	0.25	16.00	-65.8	21.56	
11:37	1.5	8.34	0.312	4.06	0.18	15.99	-68.4	21.80	
11:47	1.5	8.31	0.312	2.55	0.20	16.02	-76.0	22.00	slight pump
11:57	1	8.33	0.313	2.42	0.19	16.41	-78.9	22.02	
12:07	1	8.32	0.314	2.13	0.17	16.61	-84.8	22.04	
12:17	1	8.31	0.315	2.00	0.17	16.65	-79.0	22.05	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
☒ PERISTALTIC
☐ SUBMERSIBLE
☐ OTHER NA

TYPE OF TUBING
☐ TEFLON OR TEFLON LINED
☐ HIGH DENSITY POLYETHYLENE
☒ OTHER

TYPE OF PUMP MATERIAL
☐ POLYVINYL CHLORIDE
☐ STAINLESS STEEL
☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable)
☐ TEFLON
☒ OTHER NA

PURGE OBSERVATIONS

Tubing Intake @ 29.5 ft bbl
29.5 ft bbl
msl

SIGNATURE: msl

Rochester GW_Sample_Form1.xls

Wood Environment & Infrastructure Solutions Inc.

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2019 Semi-Annual Sampling Event
SITE ID: BAFB-01
SITE TYPE: Monitor Well
DATE: 10-10-19
SITE ACTIVITY: START 13:50 END 13:57
JOB NUMBER: 303152028.18

WATER LEVEL
MEASUREMENT POINT
☒ TOP OF WELL RISER
☐ TOP OF PROTECTIVE CASING
☐ OTHER
PROTECTIVE CASING STICKUP (FROM GROUND) ☐ FT
PROTECTIVE CASING / WELL DIFFERENCE ☐ FT
INITIAL DEPTH TO WATER NA FT
WELL DEPTH NA FT
PID AMBIENT AIR NA PPM
WELL DIAMETER NA IN
FINAL DEPTH TO WATER NA FT
SCREEN LENGTH NA FT
PID WELL MOUTH NA PPM
WELL INTEGRITY: CAP YES NO N/A
CASKING LOCKED YES NO N/A
COLLAR YES NO N/A
DRAWDOWN NA FT
DRAWDOWN VOLUME NA GAL
PRODUCT THICKNESS NA FT
(Initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch)
PURGE RATE NA L/MIN BEGIN PURGING NA END PURGING NA TOTAL VOL. PURGED NA GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOL Purged (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	TEMPERATURE (°C)	ORP (mV)	WATER LEVEL	Comments
13:57									Poured off water into Sample Bottles

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
☒ PERISTALTIC
☐ SUBMERSIBLE
☐ OTHER NA

TYPE OF TUBING
☐ TEFLON OR TEFLON LINED
☐ HIGH DENSITY POLYETHYLENE
☒ OTHER

TYPE OF PUMP MATERIAL
☐ POLYVINYL CHLORIDE
☐ STAINLESS STEEL
☒ OTHER NA

TYPE OF BLADDER MATERIAL (if applicable)
☐ TEFLON
☒ OTHER NA

PURGE OBSERVATIONS

Tubing Intake @ NA
NA
msl

SIGNATURE: msl

Rochester GW_Sample_Form1.xls

Wood Environment & Infrastructure Solutions Inc. FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2019 Semi-Annual Sampling Event DATE: 10-10-19

SITE ID: QAR0-01 SITE TYPE: Monitor Well

SITE ACTIVITY: START 13:58 END 14:45 JOB NUMBER: 3031152028.18

WATER LEVEL MEASUREMENT POINT: [X] TOP OF WELL RISER [] TOP OF PROTECTIVE CASING [] OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): NA FT PROTECTIVE CASING / WELL DIFFERENCE: NA FT

INITIAL DEPTH TO WATER: NA FT DEPTH: NA FT WELL AMBIENT AIR: NA PPM WELL DIAMETER: NA IN

FINAL DEPTH TO WATER: NA FT SCREEN LENGTH: NA FT PID WELL MOUTH: NA PPM WELL INTEGRITY: CAP Casing Locked Collar: YES NO N/A

DRAWDOWN: NA FT DRAWDOWN VOLUME: NA GAL PRODUCT THICKNESS: NA FT

PURGE DATA: PURGE RATE: NA L/MIN BEGIN PURGING: NA END PURGING: NA TOTAL VOL. PURGED: NA GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)

EQUIPMENT DOCUMENTATION: TYPE OF PUMP: [] PERISTALTIC [] SUBMERSIBLE [X] OTHER NA TYPE OF TUBING: [] TEFLON OR TEFLON LINED [] HIGH DENSITY POLYETHYLENE [X] OTHER NA TYPE OF PUMP MATERIAL: [] POLYVINYL CHLORIDE [] STAINLESS STEEL [X] OTHER NA TYPE OF BLADDER MATERIAL (if applicable): [] TEFLON [X] OTHER NA

PURGE OBSERVATIONS: VOC (modified list) [X] VOCs [] VFAs [] Sulfate [] Methane/Ethane [] Duplicate []

SIGNATURE: [Signature]

Wood Environment & Infrastructure Solutions Inc. FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2019 Semi-Annual Sampling Event DATE: 10-10-19

SITE ID: QAT0-01 SITE TYPE: Monitor Well

SITE ACTIVITY: START 14:07 END 14:13 JOB NUMBER: 3031152028.18

WATER LEVEL MEASUREMENT POINT: [X] TOP OF WELL RISER [] TOP OF PROTECTIVE CASING [] OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): NA FT PROTECTIVE CASING / WELL DIFFERENCE: NA FT

INITIAL DEPTH TO WATER: NA FT DEPTH: NA FT WELL AMBIENT AIR: NA PPM WELL DIAMETER: NA IN

FINAL DEPTH TO WATER: NA FT SCREEN LENGTH: NA FT PID WELL MOUTH: NA PPM WELL INTEGRITY: CAP Casing Locked Collar: YES NO N/A

DRAWDOWN: NA FT DRAWDOWN VOLUME: NA GAL PRODUCT THICKNESS: NA FT

PURGE DATA: PURGE RATE: NA L/MIN BEGIN PURGING: NA END PURGING: NA TOTAL VOL. PURGED: NA GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)

EQUIPMENT DOCUMENTATION: TYPE OF PUMP: [] PERISTALTIC [] SUBMERSIBLE [X] OTHER NA TYPE OF TUBING: [] TEFLON OR TEFLON LINED [] HIGH DENSITY POLYETHYLENE [X] OTHER NA TYPE OF PUMP MATERIAL: [] POLYVINYL CHLORIDE [] STAINLESS STEEL [X] OTHER NA TYPE OF BLADDER MATERIAL (if applicable): [] TEFLON [X] OTHER NA

PURGE OBSERVATIONS: VOC (modified list) [X] VOCs [] VFAs [] Sulfate [] Methane/Ethane [] Duplicate []

SIGNATURE: [Signature]

APPENDIX E
WELL CONSTRUCTION INFORMATION

Appendix E
Well Construction Information
2019 Annual Progress Report
Former Taylor Instruments Site
Rochester, New York

Well ID	Date Installed	Well Purpose/Type	Well Location	Well Depth	Well Bottom	Screen Interval	Survey Coordinates	Well Material	Completion
BR-01	09/03/97	Monitor	Perimeter	42.2	NA	NA	750364.06 1150966.69 531.92	Riser/Screen	Flush mount
BR-02	09/03/97	Monitor	Perimeter	44.0	NA	NA	750541.61 1149954.51 532.39	Stainless / Open	X
BR-03	09/03/97	Monitor	Perimeter	40.1	NA	NA	750552.93 1149641.68 536.32	Stainless / Open	X
BR-04	09/03/97	Monitor	South Source	44.2	NA	NA	750322.96 1149422.13 532.68	Stainless / Open	X
BR-10	07/28/00	Monitor	South Source	47.0	NA	NA	750426.90 1149411.76 532.29	Stainless / Open	X
BR-15	07/26/00	Monitor	North Source	72.0	NA	NA	750293.39 1149380.43 531.69	Iron / Open	X
CB-04	09/05/97	Monitor	South Source	17.5	17.5	17.5	750329.65 1149422.19 532.60	PVC	X
CB-06	07/19/00	Monitor	South Source	17.0	17.0	16.8	750421.89 1149461.50 532.60	PVC	X
CB-08	07/28/00	Monitor	North Source	25.5	25.3	25.1	750275.00 1149957.45 531.64	PVC	X
TW-04	03/15/96	Monitor	Perimeter	17.5	17.3	17.3	750552.18 1149648.44 536.34	PVC	X
TW-09	03/13/96	Monitor	Perimeter	16.0	11.0	16.0	750542.22 1149971.84 532.30	PVC	X
TW-17	03/13/96	Monitor	Perimeter	15.0	15.0	15.0	750373.39 1150088.34 531.86	PVC	X
TW-20	03/13/96	Monitor	Perimeter	15.0	15.0	15.0	750547.88 1150118.75 532.42	PVC	X
W-5	09/15/02	Monitor	Perimeter	24.0	20.5	20.5	750248.88 1150066.27 531.92	PVC	X

Prepared by: Date: K.D. 12/15/10
Checked by: Date: CRW 1/18/11

ATTACHMENT 2

**POST CONSTRUCTION
SUMMARY**

Rochester Area Reliability Project

Post Construction Summary of Utility Structure Foundation Installation at the Former Taylor Instruments Facility NYSDEC SITE NUMBER: 828028a

Former Taylor Instruments
95 Ames Street Rochester, New York 14611
LaBella Project No. 2161270.044

Prepared For: Rochester Gas and Electric Corporation
89 East Ave
Rochester, New York, 14604

Prepared By: LaBella Associates, D.P.C.
300 State Street, Suite 201
Rochester, New York 14614

Date: January 2020

300 State Street, Suite 201 | Rochester, NY 14614 | p 585-295-6618 | f 585-454-3066
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APPENDIX C – Excavation Work Plan
APPENDIX D – Monroe County Pure Waters Discharge Permit
APPENDIX E – Contained in Determination
APPENDIX F – Soil Disposal Documentation
APPENDIX G – Lab Reports



1.0 INTRODUCTION

1.1 PROJECT DESCRIPTION

Rochester Gas and Electric Corporation (RG&E) retained LaBella Associates, D.P.C. (LaBella) to prepare a work plan and provide oversight for the installation of subsurface foundations for overhead electric line structures at the former Taylor Instruments Facility (Taylor) located at 95 Ames Street, Rochester New York, 14611 (the Site). RG&E installed three (3) structures for overhead electrical lines within the 95 Ames Street property boundary (Project). The former Taylor Instruments property was previously remediated under direction of the New York State Department of Environmental Conservation (NYSDEC) due to past Site uses. All work conducted at the Site was done so under the Excavation Work Plan (Approved May 2, 2019). The intention of this post construction summary is to briefly detail the tasks performed and ensure that the conditions included in the Excavation Work Plan and Change of Use (Appendix C) were followed during construction.

The electric transmission line and overhead structures being installed are part of the larger Rochester Area Reliability Project (RARP), an Article VII project involving the installation of approximately 25 miles of new high voltage electric service extending from the New York Power Authorities' (NYPA) transmission line in Scottsville, New York to the City of Rochester, New York.

2.0 METHODOLOGY

2.1 Work Conducted

RG&E installed three (3) structures to support overhead electrical transmission lines within the property boundary at 95 Ames Street. Structure 941-138 and Structure 941-139 were direct embedded poles, embedded to depths of 13.5-feet below ground surface (ft. bgs.) and 12.5-ft. bgs., respectively. Structure 941-140 is supported on a concrete foundation. The foundation is estimated to have a 7-foot diameter with a 22-foot depth below grade. The transmission lines run northeast along the 95 Ames Street northern property boundary, parallel to the railroad tracks. Daily field logs for each day of work can be found attached as Appendix B. All work conducted as part of this Project followed the guidance of the Excavation Work Plan dated April 2019 and approved by the NYSDEC May 2, 2019. This Excavation Work Plan can be found attached as Appendix C.

As Structures 941-138 and 941-139 were excavated, soils were drilled out of the structure location and placed within roll-off dumpsters prior to characterization for disposal. No water was dewatered during the installation of these two (2) structures.

As Structure 941-140 was installed, it was drilled to 22-foot depth within a caisson, and soils were placed directly into roll-off dumpsters prior to disposal. Prior to concrete being poured at this location, all of the water within the caisson was dewatered into a 5,000 gallon frac tank adjacent to this area.



All roll-off dumpsters used on-Site were lined with plastic liner and covered via ratchet straps and heavy duty plastic to make sure all materials were contained within the dumpster while waste characterization samples were run.

The asphalt cover of the Site was kept in good condition during the work conducted. All active monitoring wells were marked off with high-visibility cones to make sure all heavy equipment used as part of the Project did not track over and damage the wells. All of the machines used for work at the Site were cleaned prior to arriving at the Site. Any excess dirt and material was cleaned off of the machines prior to them leaving the Site.

Continuous air monitoring was performed during ground intrusive activities to make sure that no Permissible Exposure Limit (PEL) levels were exceeded for Mercury or volatile organic vapors. A PID was used for organic vapor monitoring and mercury levels were measured using a Jerome Vapor Analyzer. Air monitoring was conducted in compliance with the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan. No levels of Mercury or VOCs were found to exceed PELs during the work conducted. All CAMP data and PID readings can be found attached in Appendix B.

Groundwater Disposal:

Less than 1,000 gallons of water was dewatered into the frac tank on-Site. A Monroe County Pure Waters (MCPW) Discharge permit was applied for and approved on November 17, 2019 (Appendix D). A MCPW representative met LaBella and Aldridge on-Site to confirm the use of an on-Site combined sewer discharge point. MCPW approved the discharge location and on November 20 the containerized water was discharged under the permit into the approved combined sewer manhole located on-Site.

On December 3, 2019, Northern Vacuum mobilized to the Site to scrub and clean the tank. All excess water in the tank was discharged to the same combined sewer under the MCPW discharge permit. After the tank was rinsed and cleaned multiple times, it was mobilized off-Site.

Soil Disposal:

All of the soil generated as part of construction was placed directly into roll-off dumpsters adjacent to the structure it was generated at. One (1) dumpster of soil was generated for Structure 941-138 and 941-139 and seven (7) dumpsters of soil were generated at Structure 941-140. One (1) composite soil sample was collected from the soils generated at each structure and submitted for waste characterization analysis.

Soil samples from Structure 941-138 and Structure 941-140 were acceptable for landfill disposal and the soil was profiled as such. The soil sample from Structure 941-139 identified Trichloroethene

-3-
RARP Taylor Instruments Facility Post Construction Summary
95 Ames Street, Rochester New, York
LaBella Project No. 2161270.044

Figures



Field Logs and Camp Data

7320 0.006
7380 0.005
7440 0.005
7500 0.006
7560 0.004
7620 0.004
7680 0.004

19/10/14 12:27
Summary
Unit Name MinIRAE 3000(PGM-7320)
Unit SN 592-91800
Unit Firmware Ver V2.20A
Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down
Site ID 12345678
User ID 12345678
Begin 10/14/2019 12:27
End 10/14/2019 14:10
Sample Period(s) 60
Number of Records 103
Sensor PID(ppm)
Sensor SN 502303015419
Measure Type Avg, Max, Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/10/2019 17:15
Peak 0
Min 0
Average 0

Datalog					TWA/STEL				
Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
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3	10/14/2019 12:30	0	0	0	3	10/14/2019 12:30	0	--	
4	10/14/2019 12:31	0	0	0	4	10/14/2019 12:31	0	--	
5	10/14/2019 12:32	0	0	0	5	10/14/2019 12:32	0	--	
6	10/14/2019 12:33	0	0	0	6	10/14/2019 12:33	0	--	
7	10/14/2019 12:34	0	0	0	7	10/14/2019 12:34	0	--	
8	10/14/2019 12:35	0	0	0	8	10/14/2019 12:35	0	--	
9	10/14/2019 12:36	0	0	0	9	10/14/2019 12:36	0	--	
10	10/14/2019 12:37	0	0	0	10	10/14/2019 12:37	0	--	
11	10/14/2019 12:38	0	0	0	11	10/14/2019 12:38	0	--	
12	10/14/2019 12:39	0	0	0	12	10/14/2019 12:39	0	--	
13	10/14/2019 12:40	0	0	0	13	10/14/2019 12:40	0	--	
14	10/14/2019 12:41	0	0	0	14	10/14/2019 12:41	0	--	
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16	10/14/2019 12:43	0	0	0	16	10/14/2019 12:43	0	0	
17	10/14/2019 12:44	0	0	0	17	10/14/2019 12:44	0	0	
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22	10/14/2019 12:49	0	0	0	22	10/14/2019 12:49	0	0	
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27	10/14/2019 12:54	0	0	0	27	10/14/2019 12:54	0	0	

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37	10/14/2019 13:04	0	0	0	37	10/14/2019 13:04	0	0
38	10/14/2019 13:05	0	0	0	38	10/14/2019 13:05	0	0
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44	10/14/2019 13:11	0	0	0	44	10/14/2019 13:11	0	0
45	10/14/2019 13:12	0	0	0	45	10/14/2019 13:12	0	0
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55	10/14/2019 13:22	0	0	0	55	10/14/2019 13:22	0	0
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62	10/14/2019 13:29	0	0	0	62	10/14/2019 13:29	0	0
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68	10/14/2019 13:35	0	0	0	68	10/14/2019 13:35	0	0
69	10/14/2019 13:36	0	0	0	69	10/14/2019 13:36	0	0
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77	10/14/2019 13:44	0	0	0	77	10/14/2019 13:44	0	0
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97	10/14/2019 14:04	0	0	0	97	10/14/2019 14:04	0	0

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103	10/14/2019 14:10	0	0	0	103	10/14/2019 14:10	0	0

Peak
Min
Average

0 0 0
0 0 0
0 0 0

Instrument Name DustTrak II
Model Number 8530
Serial Number 8530183205
Firmware Version 3.8
Calibration Date 1/28/2019
Test Name MANUAL_001
Test Start Time 11:43:47 AM
Test Start Date 10/14/2019
Test Length [D:H:M] 0:02:10
Test Interval [M:S] 10:00
Mass Average [mg/m3] 0.008
Mass Minimum [mg/m3] 0.006
Mass Maximum [mg/m3] 0.012
Mass TWA [mg/m3] 0.002
Photometric User Cal 1
Flow User Cal 0
Errors
Number of Samples 13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
600	0.009		
1200	0.011		
1800	0.012		
2400	0.009		
3000	0.007		
3600	0.008		
4200	0.008		
4800	0.007		
5400	0.006		
6000	0.007		
6600	0.007		
7200	0.01		
7800	0.008		

19/10/14 11:58

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910712
Unit Firmware Ver V2.20A

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

Site ID 12345678
User ID 12345678

Begin 10/14/2019 11:58
End 10/14/2019 14:18
Sample Period(s) 60
Number of Records 140

Sensor PID(ppm)
Sensor SN 5023030021Q5
Measure Type Avg, Max, Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/11/2019 11:07
Peak 0
Min 0
Average 0

*****					*****				
Datalog					TWA/STEL				
Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
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2	10/14/2019 12:00	0	0	0	2	10/14/2019 12:00	0	---	
3	10/14/2019 12:01	0	0	0	3	10/14/2019 12:01	0	---	
4	10/14/2019 12:02	0	0	0	4	10/14/2019 12:02	0	---	
5	10/14/2019 12:03	0	0	0	5	10/14/2019 12:03	0	---	
6	10/14/2019 12:04	0	0	0	6	10/14/2019 12:04	0	---	
7	10/14/2019 12:05	0	0	0	7	10/14/2019 12:05	0	---	
8	10/14/2019 12:06	0	0	0	8	10/14/2019 12:06	0	---	
9	10/14/2019 12:07	0	0	0	9	10/14/2019 12:07	0	---	
10	10/14/2019 12:08	0	0	0	10	10/14/2019 12:08	0	---	
11	10/14/2019 12:09	0	0	0	11	10/14/2019 12:09	0	---	
12	10/14/2019 12:10	0	0	0	12	10/14/2019 12:10	0	---	
13	10/14/2019 12:11	0	0	0	13	10/14/2019 12:11	0	---	
14	10/14/2019 12:12	0	0	0	14	10/14/2019 12:12	0	---	
15	10/14/2019 12:13	0	0	0	15	10/14/2019 12:13	0	0	
16	10/14/2019 12:14	0	0	0	16	10/14/2019 12:14	0	0	
17	10/14/2019 12:15	0	0	0	17	10/14/2019 12:15	0	0	
18	10/14/2019 12:16	0	0	0	18	10/14/2019 12:16	0	0	
19	10/14/2019 12:17	0	0	0	19	10/14/2019 12:17	0	0	
20	10/14/2019 12:18	0	0	0	20	10/14/2019 12:18	0	0	
21	10/14/2019 12:19	0	0	0	21	10/14/2019 12:19	0	0	
22	10/14/2019 12:20	0	0	0	22	10/14/2019 12:20	0	0	
23	10/14/2019 12:21	0	0	0	23	10/14/2019 12:21	0	0	
24	10/14/2019 12:22	0	0	0	24	10/14/2019 12:22	0	0	
25	10/14/2019 12:23	0	0	0	25	10/14/2019 12:23	0	0	
26	10/14/2019 12:24	0	0	0	26	10/14/2019 12:24	0	0	
27	10/14/2019 12:25	0	0	0	27	10/14/2019 12:25	0	0	

7320 0.007
7380 0.008
7440 0.009
7500 0.008
7560 0.008
7620 0.008
7680 0.01
7740 0.009
7800 0.01
7860 0.014
7920 0.009
7980 0.008
8040 0.017
8100 0.019
8160 0.016
8220 0.015
8280 0.012
8340 0.029
8400 0.009
8460 0.013
8520 0.009
8580 0.009
8640 0.008
8700 0.009
8760 0.013
8820 0.008
8880 0.008
8940 0.008
9000 0.008
9060 0.008
9120 0.008
9180 0.013
9240 0.008
9300 0.007
9360 0.008
9420 0.007
9480 0.007
9540 0.007
9600 0.006
9660 0.007
9720 0.007
9780 0.007
9840 0.007
9900 0.007
9960 0.006
10020 0.006
10080 0.007

10140 0.033
10200 0.015
10260 0.008
10320 0.008
10380 0.012
10440 0.008
10500 0.008
10560 0.009
10620 0.015
10680 0.008
10740 0.009
10800 0.008
10860 0.009
10920 0.008
10980 0.007
11040 0.008
11100 0.007
11160 0.007
11220 0.007
11280 0.007
11340 0.007
11400 0.006
11460 0.006
11520 0.007
11580 0.006
11640 0.007
11700 0.007
11760 0.009
11820 0.006
11880 0.007
11940 0.007

19/10/15 08:12
Summary
Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910800
Unit Firmware Ver V2.20A
Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down
Site ID 12345678
User ID 12345678
Begin 10/15/2019 8:12
End 10/15/2019 11:24
Sample Period(s) 60
Number of Records 191
Sensor PID(ppm)
Sensor SN 502303015479
Measure Type Avg: Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/10/2019 17:15
Peak 0.4
Min 0
Average 0

Datalog			
Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)
1	10/15/2019 8:13	0	0
2	10/15/2019 8:14	0	0
3	10/15/2019 8:15	0	0
4	10/15/2019 8:16	0	0
5	10/15/2019 8:17	0	0
6	10/15/2019 8:18	0	0
7	10/15/2019 8:19	0	0
8	10/15/2019 8:20	0	0
9	10/15/2019 8:21	0	0
10	10/15/2019 8:22	0	0
11	10/15/2019 8:23	0	0
12	10/15/2019 8:24	0	0
13	10/15/2019 8:25	0	0
14	10/15/2019 8:26	0	0
15	10/15/2019 8:27	0	0
16	10/15/2019 8:28	0	0
17	10/15/2019 8:29	0	0
18	10/15/2019 8:30	0	0
19	10/15/2019 8:31	0	0
20	10/15/2019 8:32	0	0
21	10/15/2019 8:33	0	0
22	10/15/2019 8:34	0	0
23	10/15/2019 8:35	0	0
24	10/15/2019 8:36	0	0
25	10/15/2019 8:37	0	0
26	10/15/2019 8:38	0	0
27	10/15/2019 8:39	0	0

TWA/STEL			
Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	10/15/2019 8:13	0	---
2	10/15/2019 8:14	0	---
3	10/15/2019 8:15	0	---
4	10/15/2019 8:16	0	---
5	10/15/2019 8:17	0	---
6	10/15/2019 8:18	0	---
7	10/15/2019 8:19	0	---
8	10/15/2019 8:20	0	---
9	10/15/2019 8:21	0	---
10	10/15/2019 8:22	0	---
11	10/15/2019 8:23	0	---
12	10/15/2019 8:24	0	---
13	10/15/2019 8:25	0	---
14	10/15/2019 8:26	0	---
15	10/15/2019 8:27	0	0
16	10/15/2019 8:28	0	0
17	10/15/2019 8:29	0	0
18	10/15/2019 8:30	0	0
19	10/15/2019 8:31	0	0
20	10/15/2019 8:32	0	0
21	10/15/2019 8:33	0	0
22	10/15/2019 8:34	0	0
23	10/15/2019 8:35	0	0
24	10/15/2019 8:36	0	0
25	10/15/2019 8:37	0	0
26	10/15/2019 8:38	0	0
27	10/15/2019 8:39	0	0

28	10/15/2019 8:40	0	0	0	28	10/15/2019 8:40	0	0
29	10/15/2019 8:41	0	0	0	29	10/15/2019 8:41	0	0
30	10/15/2019 8:42	0	0	0	30	10/15/2019 8:42	0	0
31	10/15/2019 8:43	0	0	0	31	10/15/2019 8:43	0	0
32	10/15/2019 8:44	0	0	0	32	10/15/2019 8:44	0	0
33	10/15/2019 8:45	0	0	0	33	10/15/2019 8:45	0	0
34	10/15/2019 8:46	0	0	0	34	10/15/2019 8:46	0	0
35	10/15/2019 8:47	0	0	0	35	10/15/2019 8:47	0	0
36	10/15/2019 8:48	0	0	0	36	10/15/2019 8:48	0	0
37	10/15/2019 8:49	0	0	0	37	10/15/2019 8:49	0	0
38	10/15/2019 8:50	0	0	0	38	10/15/2019 8:50	0	0
39	10/15/2019 8:51	0	0	0	39	10/15/2019 8:51	0	0
40	10/15/2019 8:52	0	0	0	40	10/15/2019 8:52	0	0
41	10/15/2019 8:53	0	0	0	41	10/15/2019 8:53	0	0
42	10/15/2019 8:54	0	0	0	42	10/15/2019 8:54	0	0
43	10/15/2019 8:55	0	0	0	43	10/15/2019 8:55	0	0
44	10/15/2019 8:56	0	0	0	44	10/15/2019 8:56	0	0
45	10/15/2019 8:57	0	0	0	45	10/15/2019 8:57	0	0
46	10/15/2019 8:58	0	0	0	46	10/15/2019 8:58	0	0
47	10/15/2019 8:59	0	0	0	47	10/15/2019 8:59	0	0
48	10/15/2019 9:00	0	0	0	48	10/15/2019 9:00	0	0
49	10/15/2019 9:01	0	0	0	49	10/15/2019 9:01	0	0
50	10/15/2019 9:02	0	0	0	50	10/15/2019 9:02	0	0
51	10/15/2019 9:03	0	0	0	51	10/15/2019 9:03	0	0
52	10/15/2019 9:04	0	0	0	52	10/15/2019 9:04	0	0
53	10/15/2019 9:05	0	0	0	53	10/15/2019 9:05	0	0
54	10/15/2019 9:06	0	0	0	54	10/15/2019 9:06	0	0
55	10/15/2019 9:07	0	0	0	55	10/15/2019 9:07	0	0
56	10/15/2019 9:08	0	0	0	56	10/15/2019 9:08	0	0
57	10/15/2019 9:09	0	0	0	57	10/15/2019 9:09	0	0
58	10/15/2019 9:10	0	0	0	58	10/15/2019 9:10	0	0
59	10/15/2019 9:11	0	0	0	59	10/15/2019 9:11	0	0
60	10/15/2019 9:12	0	0	0	60	10/15/2019 9:12	0	0
61	10/15/2019 9:13	0	0	0	61	10/15/2019 9:13	0	0
62	10/15/2019 9:14	0	0	0	62	10/15/2019 9:14	0	0
63	10/15/2019 9:15	0	0	0	63	10/15/2019 9:15	0	0
64	10/15/2019 9:16	0	0	0	64	10/15/2019 9:16	0	0
65	10/15/2019 9:17	0	0	0	65	10/15/2019 9:17	0	0
66	10/15/2019 9:18	0	0	0	66	10/15/2019 9:18	0	0
67	10/15/2019 9:19	0	0	0	67	10/15/2019 9:19	0	0
68	10/15/2019 9:20	0	0	0	68	10/15/2019 9:20	0	0
69	10/15/2019 9:21	0	0	0	69	10/15/2019 9:21	0	0
70	10/15/2019 9:22	0	0	0	70	10/15/2019 9:22	0	0
71	10/15/2019 9:23	0	0	0	71	10/15/2019 9:23	0	0
72	10/15/2019 9:24	0	0	0	72	10/15/2019 9:24	0	0
73	10/15/2019 9:25	0	0	0	73	10/15/2019 9:25	0	0
74	10/15/2019 9:26	0	0	0	74	10/15/2019 9:26	0	0
75	10/15/2019 9:27	0	0	0	75	10/15/2019 9:27	0	0
76	10/15/2019 9:28	0	0	0	76	10/15/2019 9:28	0	0
77	10/15/2019 9:29	0	0	0	77	10/15/2019 9:29	0	0
78	10/15/2019 9:30	0	0	0	78	10/15/2019 9:30	0	0
79	10/15/2019 9:31	0	0	0	79	10/15/2019 9:31	0	0
80	10/15/2019 9:32	0	0	0	80	10/15/2019 9:32	0	0
81	10/15/2019 9:33	0	0	0	81	10/15/2019 9:33	0	0
82	10/15/2019 9:34	0	0	0	82	10/15/2019 9:34	0	0
83	10/15/2019 9:35	0	0	0	83	10/15/2019 9:35	0	0
84	10/15/2019 9:36	0	0	0	84	10/15/2019 9:36	0	0
85	10/15/2019 9:37	0	0	0	85	10/15/2019 9:37	0	0
86	10/15/2019 9:38	0	0	0	86	10/15/2019 9:38	0	0
87	10/15/2019 9:39	0	0	0	87	10/15/2019 9:39	0	0
88	10/15/2019 9:40	0	0	0	88	10/15/2019 9:40	0	0
89	10/15/2019 9:41	0	0	0	89	10/15/2019 9:41	0	0
90	10/15/2019 9:42	0	0	0	90	10/15/2019 9:42	0	0
91	10/15/2019 9:43	0	0	0	91	10/15/2019 9:43	0	0
92	10/15/2019 9:44	0	0	0	92	10/15/2019 9:44	0	0
93	10/15/2019 9:45	0	0	0	93	10/15/2019 9:45	0	0
94	10/15/2019 9:46	0	0	0	94	10/15/2019 9:46	0	0
95	10/15/2019 9:47	0	0	0	95	10/15/2019 9:47	0	0
96	10/15/2019 9:48	0	0	0	96	10/15/2019 9:48	0	0
97	10/15/2019 9:49	0	0	0	97	10/15/2019 9:49	0	0

98	10/15/2019 9:50	0	0	0	98	10/15/2019 9:50	0	0	0
99	10/15/2019 9:51	0	0	0	99	10/15/2019 9:51	0	0	0
100	10/15/2019 9:52	0	0	0	100	10/15/2019 9:52	0	0	0
101	10/15/2019 9:53	0	0	0	101	10/15/2019 9:53	0	0	0
102	10/15/2019 9:54	0	0	0	102	10/15/2019 9:54	0	0	0
103	10/15/2019 9:55	0	0	0	103	10/15/2019 9:55	0	0	0
104	10/15/2019 9:56	0	0	0	104	10/15/2019 9:56	0	0	0
105	10/15/2019 9:57	0	0	0	105	10/15/2019 9:57	0	0	0
106	10/15/2019 9:58	0	0	0	106	10/15/2019 9:58	0	0	0
107	10/15/2019 9:59	0	0	0	107	10/15/2019 9:59	0	0	0
108	10/15/2019 10:00	0	0	0	108	10/15/2019 10:00	0	0	0
109	10/15/2019 10:01	0	0	0	109	10/15/2019 10:01	0	0	0
110	10/15/2019 10:02	0	0	0	110	10/15/2019 10:02	0	0	0
111	10/15/2019 10:03	0	0	0	111	10/15/2019 10:03	0	0	0
112	10/15/2019 10:04	0	0	0	112	10/15/2019 10:04	0	0	0
113	10/15/2019 10:05	0	0	0	113	10/15/2019 10:05	0	0	0
114	10/15/2019 10:06	0	0	0	114	10/15/2019 10:06	0	0	0
115	10/15/2019 10:07	0	0	0	115	10/15/2019 10:07	0	0	0
116	10/15/2019 10:08	0	0	0	116	10/15/2019 10:08	0	0	0
117	10/15/2019 10:09	0	0	0	117	10/15/2019 10:09	0	0	0
118	10/15/2019 10:10	0	0	0	118	10/15/2019 10:10	0	0	0
119	10/15/2019 10:11	0	0	0	119	10/15/2019 10:11	0	0	0
120	10/15/2019 10:12	0	0	0	120	10/15/2019 10:12	0	0	0
121	10/15/2019 10:13	0	0	0	121	10/15/2019 10:13	0	0	0
122	10/15/2019 10:14	0	0	0	122	10/15/2019 10:14	0	0	0
123	10/15/2019 10:15	0	0	0	123	10/15/2019 10:15	0	0	0
124	10/15/2019 10:16	0	0	0	124	10/15/2019 10:16	0	0	0
125	10/15/2019 10:17	0	0	0	125	10/15/2019 10:17	0	0	0
126	10/15/2019 10:18	0	0	0	126	10/15/2019 10:18	0	0	0
127	10/15/2019 10:19	0	0	0	127	10/15/2019 10:19	0	0	0
128	10/15/2019 10:20	0	0	0	128	10/15/2019 10:20	0	0	0
129	10/15/2019 10:21	0	0	0	129	10/15/2019 10:21	0	0	0
130	10/15/2019 10:22	0	0	0	130	10/15/2019 10:22	0	0	0
131	10/15/2019 10:23	0	0	0	131	10/15/2019 10:23	0	0	0
132	10/15/2019 10:24	0	0	0	132	10/15/2019 10:24	0	0	0
133	10/15/2019 10:25	0	0	0	133	10/15/2019 10:25	0	0	0
134	10/15/2019 10:26	0	0	0	134	10/15/2019 10:26	0	0	0
135	10/15/2019 10:27	0	0	0	135	10/15/2019 10:27	0	0	0
136	10/15/2019 10:28	0	0	0	136	10/15/2019 10:28	0	0	0
137	10/15/2019 10:29	0	0	0	137	10/15/2019 10:29	0	0	0
138	10/15/2019 10:30	0	0	0	138	10/15/2019 10:30	0	0	0
139	10/15/2019 10:31	0	0	0	139	10/15/2019 10:31	0	0	0
140	10/15/2019 10:32	0	0	0	140	10/15/2019 10:32	0	0	0
141	10/15/2019 10:33	0	0	0	141	10/15/2019 10:33	0	0	0
142	10/15/2019 10:34	0	0	0	142	10/15/2019 10:34	0	0	0
143	10/15/2019 10:35	0	0	0	143	10/15/2019 10:35	0	0	0
144	10/15/2019 10:36	0	0	0	144	10/15/2019 10:36	0	0	0
145	10/15/2019 10:37	0	0	0	145	10/15/2019 10:37	0	0	0
146	10/15/2019 10:38	0	0	0	146	10/15/2019 10:38	0	0	0
147	10/15/2019 10:39	0	0	0	147	10/15/2019 10:39	0	0	0
148	10/15/2019 10:40	0	0.1	0	148	10/15/2019 10:40	0	0	0
149	10/15/2019 10:41	0.1	0.1	0.1	149	10/15/2019 10:41	0	0	0
150	10/15/2019 10:42	0	0.1	0	150	10/15/2019 10:42	0	0	0
151	10/15/2019 10:43	0	0.1	0.1	151	10/15/2019 10:43	0	0	0
152	10/15/2019 10:44	0.1	0.1	0.1	152	10/15/2019 10:44	0	0	0
153	10/15/2019 10:45	0.1	0.1	0	153	10/15/2019 10:45	0	0	0
154	10/15/2019 10:46	0.1	0.1	0.1	154	10/15/2019 10:46	0	0	0
155	10/15/2019 10:47	0.1	0.1	0.1	155	10/15/2019 10:47	0	0	0
156	10/15/2019 10:48	0.1	0.1	0.1	156	10/15/2019 10:48	0	0	0
157	10/15/2019 10:49	0.1	0.1	0.1	157	10/15/2019 10:49	0	0	0
158	10/15/2019 10:50	0.1	0.1	0.1	158	10/15/2019 10:50	0	0.1	0
159	10/15/2019 10:51	0.1	0.2	0.2	159	10/15/2019 10:51	0	0.1	0
160	10/15/2019 10:52	0.1	0.2	0.1	160	10/15/2019 10:52	0	0.1	0
161	10/15/2019 10:53	0.1	0.2	0.1	161	10/15/2019 10:53	0	0.1	0
162	10/15/2019 10:54	0.1	0.2	0.1	162	10/15/2019 10:54	0	0.1	0
163	10/15/2019 10:55	0.1	0.1	0.1	163	10/15/2019 10:55	0	0.1	0
164	10/15/2019 10:56	0.1	0.1	0.1	164	10/15/2019 10:56	0	0.1	0
165	10/15/2019 10:57	0.2	0.2	0.1	165	10/15/2019 10:57	0	0.1	0
166	10/15/2019 10:58	0.1	0.1	0	166	10/15/2019 10:58	0	0.1	0
167	10/15/2019 10:59	0.1	0.2	0.2	167	10/15/2019 10:59	0	0.1	0

Instrument Name DustTrak II
Model Number 8530
Serial Number 8530183205
Firmware Version 3.8
Calibration Date 1/28/2019
Test Name MANUAL_002
Test Start Time 7:48:27 AM
Test Start Date 10/15/2019
Test Length [D:H:M] 0:03:20
Test Interval [M:S] 10:00
Mass Average [mg/m3] 0.015
Mass Minimum [mg/m3] 0.013
Mass Maximum [mg/m3] 0.017
Mass TWA [mg/m3] 0.006
Photometric User Cal 1
Flow User Cal 0
Errors
Number of Samples 20

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
600	0.016		
1200	0.015		
1800	0.015		
2400	0.014		
3000	0.013		
3600	0.013		
4200	0.013		
4800	0.013		
5400	0.013		
6000	0.014		
6600	0.014		
7200	0.014		
7800	0.014		
8400	0.015		
9000	0.015		
9600	0.016		
10200	0.017		
10800	0.016		
11400	0.017		
12000	0.017		

168	10/15/2019 11:00	0.2	0.3	0.3	168	10/15/2019 11:00	0	0.1
169	10/15/2019 11:01	0.1	0.2	0.1	169	10/15/2019 11:01	0	0.1
170	10/15/2019 11:02	0.1	0.2	0.2	170	10/15/2019 11:02	0	0.1
171	10/15/2019 11:03	0.1	0.2	0.2	171	10/15/2019 11:03	0	0.1
172	10/15/2019 11:04	0.2	0.2	0.1	172	10/15/2019 11:04	0	0.1
173	10/15/2019 11:05	0.2	0.2	0.1	173	10/15/2019 11:05	0	0.1
174	10/15/2019 11:06	0.2	0.2	0.2	174	10/15/2019 11:06	0	0.1
175	10/15/2019 11:07	0.2	0.3	0.2	175	10/15/2019 11:07	0	0.1
176	10/15/2019 11:08	0.2	0.3	0.2	176	10/15/2019 11:08	0	0.2
177	10/15/2019 11:09	0.2	0.3	0.3	177	10/15/2019 11:09	0	0.2
178	10/15/2019 11:10	0.2	0.3	0.2	178	10/15/2019 11:10	0	0.2
179	10/15/2019 11:11	0.3	0.3	0.2	179	10/15/2019 11:11	0	0.2
180	10/15/2019 11:12	0.3	0.3	0.3	180	10/15/2019 11:12	0	0.2
181	10/15/2019 11:13	0.3	0.4	0.3	181	10/15/2019 11:13	0	0.2
182	10/15/2019 11:14	0.3	0.3	0.3	182	10/15/2019 11:14	0	0.2
183	10/15/2019 11:15	0.3	0.3	0.3	183	10/15/2019 11:15	0	0.2
184	10/15/2019 11:16	0.3	0.3	0.3	184	10/15/2019 11:16	0	0.2
185	10/15/2019 11:17	0.3	0.5	0.3	185	10/15/2019 11:17	0	0.2
186	10/15/2019 11:18	0.3	0.4	0.3	186	10/15/2019 11:18	0	0.3
187	10/15/2019 11:19	0.3	0.4	0.3	187	10/15/2019 11:19	0	0.3
188	10/15/2019 11:20	0.3	0.4	0.3	188	10/15/2019 11:20	0	0.3
189	10/15/2019 11:21	0.3	0.4	0.3	189	10/15/2019 11:21	0	0.3
190	10/15/2019 11:22	0.3	0.4	0.4	190	10/15/2019 11:22	0	0.3
191	10/15/2019 11:23	0.4	0.4	0.4	191	10/15/2019 11:23	0	0.3
Peak			0	0				
Min			0	0				
Average			0	0.1	0			

19/10/15 07:59	
Summary	
Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	10/15/2019 7:59
End	10/15/2019 11:29
Sample Period(s)	60
Number of Records	209
Sensor	PID(ppm)
Sensor SN	5023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/11/2019 11:07
Peak	0
Min	0
Average	0

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Dataset		TWA/STEL			TWA/STEL		TWA/STEL	
Index	Date/Time	PID(gpm)	PID(gpm)	PID(gpm)	Index	Date/Time	PID(gpm)	PID(gpm)
		(Avg)	(Max)	(Real)			(TWA)	(STEL)
1	10/15/2019:8.00	0	0	0	1	10/15/2019:8.00	0	0
2	10/15/2019:8.01	0	0	0	2	10/15/2019:8.01	0	0
3	10/15/2019:8.02	0	0	0	3	10/15/2019:8.02	0	0
4	10/15/2019:8.03	0	0	0	4	10/15/2019:8.03	0	0
5	10/15/2019:8.04	0	0	0	5	10/15/2019:8.04	0	0
6	10/15/2019:8.05	0	0	0	6	10/15/2019:8.05	0	0
7	10/15/2019:8.06	0	0	0	7	10/15/2019:8.06	0	0
8	10/15/2019:8.07	0	0	0	8	10/15/2019:8.07	0	0
9	10/15/2019:8.08	0	0	0	9	10/15/2019:8.08	0	0
10	10/15/2019:8.09	0	0	0	10	10/15/2019:8.09	0	0
11	10/15/2019:8.10	0	0	0	11	10/15/2019:8.10	0	0
12	10/15/2019:8.11	0	0	0	12	10/15/2019:8.11	0	0
13	10/15/2019:8.12	0	0	0	13	10/15/2019:8.12	0	0
14	10/15/2019:8.13	0	0	0	14	10/15/2019:8.13	0	0
15	10/15/2019:8.14	0	0	0	15	10/15/2019:8.14	0	0
16	10/15/2019:8.15	0	0	0	16	10/15/2019:8.15	0	0
17	10/15/2019:8.16	0	0	0	17	10/15/2019:8.16	0	0
18	10/15/2019:8.17	0	0	0	18	10/15/2019:8.17	0	0
19	10/15/2019:8.18	0	0	0	19	10/15/2019:8.18	0	0
20	10/15/2019:8.19	0	0	0	20	10/15/2019:8.19	0	0
21	10/15/2019:8.20	0	0	0	21	10/15/2019:8.20	0	0
22	10/15/2019:8.21	0	0	0	22	10/15/2019:8.21	0	0
23	10/15/2019:8.22	0	0	0	23	10/15/2019:8.22	0	0
24	10/15/2019:8.23	0	0	0	24	10/15/2019:8.23	0	0
25	10/15/2019:8.24	0	0	0	25	10/15/2019:8.24	0	0
26	10/15/2019:8.25	0	0	0	26	10/15/2019:8.25	0	0
27	10/15/2019:8.26	0	0	0	27	10/15/2019:8.26	0	0

28	10/15/2019 8:27	0	0	0	28	10/15/2019 8:27	0	0	0
29	10/15/2019 8:28	0	0	0	29	10/15/2019 8:28	0	0	0
30	10/15/2019 8:29	0	0	0	30	10/15/2019 8:29	0	0	0
31	10/15/2019 8:30	0	0	0	31	10/15/2019 8:30	0	0	0
32	10/15/2019 8:31	0	0	0	32	10/15/2019 8:31	0	0	0
33	10/15/2019 8:32	0	0	0	33	10/15/2019 8:32	0	0	0
34	10/15/2019 8:33	0	0	0	34	10/15/2019 8:33	0	0	0
35	10/15/2019 8:34	0	0	0	35	10/15/2019 8:34	0	0	0
36	10/15/2019 8:35	0	0	0	36	10/15/2019 8:35	0	0	0
37	10/15/2019 8:36	0	0	0	37	10/15/2019 8:36	0	0	0
38	10/15/2019 8:37	0	0	0	38	10/15/2019 8:37	0	0	0
39	10/15/2019 8:38	0	0	0	39	10/15/2019 8:38	0	0	0
40	10/15/2019 8:39	0	0	0	40	10/15/2019 8:39	0	0	0
41	10/15/2019 8:40	0	0	0	41	10/15/2019 8:40	0	0	0
42	10/15/2019 8:41	0	0	0	42	10/15/2019 8:41	0	0	0
43	10/15/2019 8:42	0	0	0	43	10/15/2019 8:42	0	0	0
44	10/15/2019 8:43	0	0	0	44	10/15/2019 8:43	0	0	0
45	10/15/2019 8:44	0	0	0	45	10/15/2019 8:44	0	0	0
46	10/15/2019 8:45	0	0	0	46	10/15/2019 8:45	0	0	0
47	10/15/2019 8:46	0	0	0	47	10/15/2019 8:46	0	0	0
48	10/15/2019 8:47	0	0	0	48	10/15/2019 8:47	0	0	0
49	10/15/2019 8:48	0	0	0	49	10/15/2019 8:48	0	0	0
50	10/15/2019 8:49	0	0	0	50	10/15/2019 8:49	0	0	0
51	10/15/2019 8:50	0	0	0	51	10/15/2019 8:50	0	0	0
52	10/15/2019 8:51	0	0	0	52	10/15/2019 8:51	0	0	0
53	10/15/2019 8:52	0	0	0	53	10/15/2019 8:52	0	0	0
54	10/15/2019 8:53	0	0	0	54	10/15/2019 8:53	0	0	0
55	10/15/2019 8:54	0	0	0	55	10/15/2019 8:54	0	0	0
56	10/15/2019 8:55	0	0	0	56	10/15/2019 8:55	0	0	0
57	10/15/2019 8:56	0	0	0	57	10/15/2019 8:56	0	0	0
58	10/15/2019 8:57	0	0	0	58	10/15/2019 8:57	0	0	0
59	10/15/2019 8:58	0	0	0	59	10/15/2019 8:58	0	0	0
60	10/15/2019 8:59	0	0	0	60	10/15/2019 8:59	0	0	0
61	10/15/2019 9:00	0	0	0	61	10/15/2019 9:00	0	0	0
62	10/15/2019 9:01	0	0	0	62	10/15/2019 9:01	0	0	0
63	10/15/2019 9:02	0	0	0	63	10/15/2019 9:02	0	0	0
64	10/15/2019 9:03	0	0	0	64	10/15/2019 9:03	0	0	0
65	10/15/2019 9:04	0	0	0	65	10/15/2019 9:04	0	0	0
66	10/15/2019 9:05	0	0	0	66	10/15/2019 9:05	0	0	0
67	10/15/2019 9:06	0	0	0	67	10/15/2019 9:06	0	0	0
68	10/15/2019 9:07	0	0	0	68	10/15/2019 9:07	0	0	0
69	10/15/2019 9:08	0	0	0	69	10/15/2019 9:08	0	0	0
70	10/15/2019 9:09	0	0	0	70	10/15/2019 9:09	0	0	0
71	10/15/2019 9:10	0	0	0	71	10/15/2019 9:10	0	0	0
72	10/15/2019 9:11	0	0	0	72	10/15/2019 9:11	0	0	0
73	10/15/2019 9:12	0	0	0	73	10/15/2019 9:12	0	0	0
74	10/15/2019 9:13	0	0	0	74	10/15/2019 9:13	0	0	0
75	10/15/2019 9:14	0	0	0	75	10/15/2019 9:14	0	0	0
76	10/15/2019 9:15	0	0	0	76	10/15/2019 9:15	0	0	0
77	10/15/2019 9:16	0	0.4	0	77	10/15/2019 9:16	0	0	0
78	10/15/2019 9:17	0	0	0	78	10/15/2019 9:17	0	0	0
79	10/15/2019 9:18	0	0.1	0	79	10/15/2019 9:18	0	0	0
80	10/15/2019 9:19	0	0	0	80	10/15/2019 9:19	0	0	0
81	10/15/2019 9:20	0	0	0	81	10/15/2019 9:20	0	0	0
82	10/15/2019 9:21	0	0	0	82	10/15/2019 9:21	0	0	0
83	10/15/2019 9:22	0	0	0	83	10/15/2019 9:22	0	0	0
84	10/15/2019 9:23	0	0	0	84	10/15/2019 9:23	0	0	0
85	10/15/2019 9:24	0	0	0	85	10/15/2019 9:24	0	0	0
86	10/15/2019 9:25	0	0	0	86	10/15/2019 9:25	0	0	0
87	10/15/2019 9:26	0	0	0	87	10/15/2019 9:26	0	0	0
88	10/15/2019 9:27	0	0	0	88	10/15/2019 9:27	0	0	0
89	10/15/2019 9:28	0	0	0	89	10/15/2019 9:28	0	0	0
90	10/15/2019 9:29	0	0	0	90	10/15/2019 9:29	0	0	0
91	10/15/2019 9:30	0	0	0	91	10/15/2019 9:30	0	0	0
92	10/15/2019 9:31	0	0	0	92	10/15/2019 9:31	0	0	0
93	10/15/2019 9:32	0	0	0	93	10/15/2019 9:32	0	0	0
94	10/15/2019 9:33	0	0	0	94	10/15/2019 9:33	0	0	0
95	10/15/2019 9:34	0	0	0	95	10/15/2019 9:34	0	0	0
96	10/15/2019 9:35	0	0	0	96	10/15/2019 9:35	0	0	0
97	10/15/2019 9:36	0	0	0	97	10/15/2019 9:36	0	0	0
Peak		0	0.4	0					
Min		0	0	0					
Average		0	0	0					

	Daily Log		Date: 10/16/2019
	95 Ames St Rochester, New York		JOB #: 2161270.043
			TIME ON-SITE: 0700
			TIME OFF-SITE: 1330
LABELLA REPRESENTATIVE: S. Logan		CONTRACTOR: Aldridge	WEATHER: 60F, sunny
AIR MONITORING:	LOCATION	PID SERIAL #	DUST TRAK SERIAL #
	UPWIND	592-910712	8530183205
	DOWNWIND	592-910800	8530182507
Time SUMMARY OF WORK PERFORMED			
0700	Arrive on site, wait for contractor to open the gate.		
0730	Contractor arrives on site. CAMP stations are set up.		
0800	Contractor is preparing to drill 192-140. However, with suspicion of an underground wire, Aldridge decides to hand dig to start, to try to find whatever is underground. Around three feet, a braided wire is uncovered, which with research is found to be disconnected.		
0900	The drill rig is set up and starts digging the hole for the 3rd structure. No issues are found with soil spoils from 192-140. Auger spins off soil onto poly sheeting, where it is scooped up by a bobcat & placed in the bucket of the big tractor, which is then placed in their respective dumpster.		
	CAMP stations record no issues with dust or VOCs.		
1230	All drilling is finished for the day. The hole is covered for protection over the rest of the day and night, and the site is cleaned up for use the next day.		
1330	CAMP stations are broken down & charging. S.Logan off site.		

Instrument Name DustTrak II
Model Number 8530
Serial Number 8530182507
Firmware Version 3.8
Calibration Date 6/5/2019
Test Name MANUAL_003
Test Start Time 9:46:06 AM
Test Start Date 10/16/2019
Test Length [D:H:M] 0:03:27
Test Interval [M:S] 1:00
Mass Average [mg/m3] 0.026
Mass Minimum [mg/m3] 0.007
Mass Maximum [mg/m3] 0.411
Mass TWA [mg/m3] 0.011
Photometric User Cal 1
Flow User Cal 0
Errors
Number of Samples 207

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.016		
120	0.016		
180	0.015		
240	0.016		
300	0.017		
360	0.015		
420	0.014		
480	0.02		
540	0.017		
600	0.019		
660	0.018		
720	0.015		
780	0.018		
840	0.029		
900	0.048		
960	0.049		
1020	0.04		
1080	0.036		
1140	0.049		
1200	0.07		
1260	0.058		
1320	0.053		
1380	0.065		
1440	0.036		
1500	0.025		
1560	0.023		
1620	0.023		

1680	0.033
1740	0.017
1800	0.017
1860	0.016
1920	0.016
1980	0.027
2040	0.022
2100	0.017
2160	0.019
2220	0.016
2280	0.018
2340	0.021
2400	0.02
2460	0.02
2520	0.019
2580	0.02
2640	0.02
2700	0.019
2760	0.018
2820	0.019
2880	0.021
2940	0.021
3000	0.025
3060	0.021
3120	0.028
3180	0.02
3240	0.02
3300	0.028
3360	0.14
3420	0.03
3480	0.022
3540	0.023
3600	0.018
3660	0.025
3720	0.021
3780	0.022
3840	0.021
3900	0.025
3960	0.022
4020	0.018
4080	0.019
4140	0.019
4200	0.019
4260	0.019
4320	0.024
4380	0.019
4440	0.019

4500	0.019
4560	0.019
4620	0.019
4680	0.023
4740	0.018
4800	0.019
4860	0.021
4920	0.019
4980	0.02
5040	0.021
5100	0.02
5160	0.02
5220	0.021
5280	0.02
5340	0.02
5400	0.023
5460	0.039
5520	0.411
5580	0.026
5640	0.051
5700	0.112
5760	0.21
5820	0.12
5880	0.048
5940	0.071
6000	0.051
6060	0.03
6120	0.059
6180	0.06
6240	0.055
6300	0.038
6360	0.03
6420	0.025
6480	0.026
6540	0.023
6600	0.021
6660	0.022
6720	0.022
6780	0.021
6840	0.026
6900	0.022
6960	0.021
7020	0.021
7080	0.021
7140	0.02
7200	0.02
7260	0.02

7320	0.021
7380	0.021
7440	0.024
7500	0.024
7560	0.022
7620	0.02
7680	0.021
7740	0.021
7800	0.019
7860	0.02
7920	0.031
7980	0.027
8040	0.039
8100	0.029
8160	0.026
8220	0.025
8280	0.031
8340	0.025
8400	0.032
8460	0.018
8520	0.017
8580	0.018
8640	0.017
8700	0.025
8760	0.02
8820	0.017
8880	0.021
8940	0.027
9000	0.017
9060	0.025
9120	0.027
9180	0.021
9240	0.026
9300	0.021
9360	0.015
9420	0.015
9480	0.016
9540	0.016
9600	0.018
9660	0.017
9720	0.017
9780	0.012
9840	0.026
9900	0.017
9960	0.014
10020	0.011
10080	0.022

10140 0.027
10200 0.01
10260 0.021
10320 0.01
10380 0.011
10440 0.01
10500 0.008
10560 0.01
10620 0.011
10680 0.011
10740 0.01
10800 0.009
10860 0.011
10920 0.01
10980 0.01
11040 0.008
11100 0.007
11160 0.008
11220 0.008
11280 0.007
11340 0.008
11400 0.007
11460 0.007
11520 0.008
11580 0.007
11640 0.009
11700 0.008
11760 0.01
11820 0.008
11880 0.007
11940 0.007
12000 0.007
12060 0.007
12120 0.007
12180 0.008
12240 0.008
12300 0.009
12360 0.02
12420 0.02

19/10/16 09:53
Summary
Unit Name MinRAE 3000(PGM-7320)
Unit SN 592-918800
Unit Firmware Ver V2.20A
Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down
Site ID 12345678
User ID 12345678
Begin 10/16/2019 9:53
End 10/16/2019 13:23
Sample Period(s) 60
Number of Records 209
Sensor PID(ppm)
Sensor SN 502303015479
Measure Type Avg, Max, Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/10/2019 17:15
Peak 0.1
Min 0
Average 0

Datalog					TWA/STEL				
Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
1	10/16/2019 9:54	0	0	0	1	10/16/2019 9:54	0	---	
2	10/16/2019 9:55	0	0.1	0	2	10/16/2019 9:55	0	---	
3	10/16/2019 9:56	0	0	0	3	10/16/2019 9:56	0	---	
4	10/16/2019 9:57	0	0	0	4	10/16/2019 9:57	0	---	
5	10/16/2019 9:58	0	0	0	5	10/16/2019 9:58	0	---	
6	10/16/2019 9:59	0	0	0	6	10/16/2019 9:59	0	---	
7	10/16/2019 10:00	0	0	0	7	10/16/2019 10:00	0	---	
8	10/16/2019 10:01	0	0	0	8	10/16/2019 10:01	0	---	
9	10/16/2019 10:02	0	0	0	9	10/16/2019 10:02	0	---	
10	10/16/2019 10:03	0	0	0	10	10/16/2019 10:03	0	---	
11	10/16/2019 10:04	0	0	0	11	10/16/2019 10:04	0	---	
12	10/16/2019 10:05	0	0	0	12	10/16/2019 10:05	0	---	
13	10/16/2019 10:06	0	0	0	13	10/16/2019 10:06	0	---	
14	10/16/2019 10:07	0	0	0	14	10/16/2019 10:07	0	---	
15	10/16/2019 10:08	0	0	0	15	10/16/2019 10:08	0	0	
16	10/16/2019 10:09	0	0	0	16	10/16/2019 10:09	0	0	
17	10/16/2019 10:10	0	0	0	17	10/16/2019 10:10	0	0	
18	10/16/2019 10:11	0	0	0	18	10/16/2019 10:11	0	0	
19	10/16/2019 10:12	0	0	0	19	10/16/2019 10:12	0	0	
20	10/16/2019 10:13	0	0	0	20	10/16/2019 10:13	0	0	
21	10/16/2019 10:14	0	0	0	21	10/16/2019 10:14	0	0	
22	10/16/2019 10:15	0	0	0	22	10/16/2019 10:15	0	0	
23	10/16/2019 10:16	0	0	0	23	10/16/2019 10:16	0	0	
24	10/16/2019 10:17	0	0	0	24	10/16/2019 10:17	0	0	
25	10/16/2019 10:18	0	0	0	25	10/16/2019 10:18	0	0	
26	10/16/2019 10:19	0	0	0	26	10/16/2019 10:19	0	0	
27	10/16/2019 10:20	0	0	0	27	10/16/2019 10:20	0	0	

28	10/16/2019 10:21	0	0	0	28	10/16/2019 10:21	0	0
29	10/16/2019 10:22	0	0	0	29	10/16/2019 10:22	0	0
30	10/16/2019 10:23	0	0	0	30	10/16/2019 10:23	0	0
31	10/16/2019 10:24	0	0	0	31	10/16/2019 10:24	0	0
32	10/16/2019 10:25	0	0	0	32	10/16/2019 10:25	0	0
33	10/16/2019 10:26	0	0	0	33	10/16/2019 10:26	0	0
34	10/16/2019 10:27	0	0	0	34	10/16/2019 10:27	0	0
35	10/16/2019 10:28	0	0	0	35	10/16/2019 10:28	0	0
36	10/16/2019 10:29	0	0	0	36	10/16/2019 10:29	0	0
37	10/16/2019 10:30	0	0	0	37	10/16/2019 10:30	0	0
38	10/16/2019 10:31	0	0	0	38	10/16/2019 10:31	0	0
39	10/16/2019 10:32	0	0	0	39	10/16/2019 10:32	0	0
40	10/16/2019 10:33	0	0	0	40	10/16/2019 10:33	0	0
41	10/16/2019 10:34	0	0	0	41	10/16/2019 10:34	0	0
42	10/16/2019 10:35	0	0	0	42	10/16/2019 10:35	0	0
43	10/16/2019 10:36	0	0	0	43	10/16/2019 10:36	0	0
44	10/16/2019 10:37	0	0	0	44	10/16/2019 10:37	0	0
45	10/16/2019 10:38	0	0	0	45	10/16/2019 10:38	0	0
46	10/16/2019 10:39	0	0	0	46	10/16/2019 10:39	0	0
47	10/16/2019 10:40	0	0	0	47	10/16/2019 10:40	0	0
48	10/16/2019 10:41	0	0	0	48	10/16/2019 10:41	0	0
49	10/16/2019 10:42	0	0	0	49	10/16/2019 10:42	0	0
50	10/16/2019 10:43	0	0	0	50	10/16/2019 10:43	0	0
51	10/16/2019 10:44	0	0	0	51	10/16/2019 10:44	0	0
52	10/16/2019 10:45	0	0	0	52	10/16/2019 10:45	0	0
53	10/16/2019 10:46	0	0	0	53	10/16/2019 10:46	0	0
54	10/16/2019 10:47	0	0	0	54	10/16/2019 10:47	0	0
55	10/16/2019 10:48	0	0	0	55	10/16/2019 10:48	0	0
56	10/16/2019 10:49	0	0	0	56	10/16/2019 10:49	0	0
57	10/16/2019 10:50	0	0	0	57	10/16/2019 10:50	0	0
58	10/16/2019 10:51	0	0	0	58	10/16/2019 10:51	0	0
59	10/16/2019 10:52	0	0	0	59	10/16/2019 10:52	0	0
60	10/16/2019 10:53	0	0	0	60	10/16/2019 10:53	0	0
61	10/16/2019 10:54	0	0	0	61	10/16/2019 10:54	0	0
62	10/16/2019 10:55	0	0	0	62	10/16/2019 10:55	0	0
63	10/16/2019 10:56	0	0	0	63	10/16/2019 10:56	0	0
64	10/16/2019 10:57	0	0	0	64	10/16/2019 10:57	0	0
65	10/16/2019 10:58	0	0	0	65	10/16/2019 10:58	0	0
66	10/16/2019 10:59	0	0	0	66	10/16/2019 10:59	0	0
67	10/16/2019 11:00	0	0	0	67	10/16/2019 11:00	0	0
68	10/16/2019 11:01	0	0	0	68	10/16/2019 11:01	0	0
69	10/16/2019 11:02	0	0	0	69	10/16/2019 11:02	0	0
70	10/16/2019 11:03	0	0	0	70	10/16/2019 11:03	0	0
71	10/16/2019 11:04	0	0	0	71	10/16/2019 11:04	0	0
72	10/16/2019 11:05	0	0	0	72	10/16/2019 11:05	0	0
73	10/16/2019 11:06	0	0	0	73	10/16/2019 11:06	0	0
74	10/16/2019 11:07	0	0	0	74	10/16/2019 11:07	0	0
75	10/16/2019 11:08	0	0	0	75	10/16/2019 11:08	0	0
76	10/16/2019 11:09	0	0	0	76	10/16/2019 11:09	0	0
77	10/16/2019 11:10	0	0	0	77	10/16/2019 11:10	0	0
78	10/16/2019 11:11	0	0	0	78	10/16/2019 11:11	0	0
79	10/16/2019 11:12	0	0	0	79	10/16/2019 11:12	0	0
80	10/16/2019 11:13	0	0	0	80	10/16/2019 11:13	0	0
81	10/16/2019 11:14	0	0	0	81	10/16/2019 11:14	0	0
82	10/16/2019 11:15	0	0	0	82	10/16/2019 11:15	0	0
83	10/16/2019 11:16	0	0	0	83	10/16/2019 11:16	0	0
84	10/16/2019 11:17	0	0	0	84	10/16/2019 11:17	0	0
85	10/16/2019 11:18	0	0.1	0	85	10/16/2019 11:18	0	0
86	10/16/2019 11:19	0	0	0	86	10/16/2019 11:19	0	0
87	10/16/2019 11:20	0	0	0	87	10/16/2019 11:20	0	0
88	10/16/2019 11:21	0	0	0	88	10/16/2019 11:21	0	0
89	10/16/2019 11:22	0	0	0	89	10/16/2019 11:22	0	0
90	10/16/2019 11:23	0	0	0	90	10/16/2019 11:23	0	0
91	10/16/2019 11:24	0	0	0	91	10/16/2019 11:24	0	0
92	10/16/2019 11:25	0	0	0	92	10/16/2019 11:25	0	0
93	10/16/2019 11:26	0	0	0	93	10/16/2019 11:26	0	0
94	10/16/2019 11:27	0	0	0	94	10/16/2019 11:27	0	0
95	10/16/2019 11:28	0	0	0	95	10/16/2019 11:28	0	0
96	10/16/2019 11:29	0	0	0	96	10/16/2019 11:29	0	0
97	10/16/2019 11:30	0	0	0	97	10/16/2019 11:30	0	0

98	10/16/2019 11:31	0	0	0	98	10/16/2019 11:31	0	0
99	10/16/2019 11:32	0	0	0	99	10/16/2019 11:32	0	0
100	10/16/2019 11:33	0	0	0	100	10/16/2019 11:33	0	0
101	10/16/2019 11:34	0	0	0	101	10/16/2019 11:34	0	0
102	10/16/2019 11:35	0	0	0	102	10/16/2019 11:35	0	0
103	10/16/2019 11:36	0	0	0	103	10/16/2019 11:36	0	0
104	10/16/2019 11:37	0	0	0	104	10/16/2019 11:37	0	0
105	10/16/2019 11:38	0	0	0	105	10/16/2019 11:38	0	0
106	10/16/2019 11:39	0	0	0	106	10/16/2019 11:39	0	0
107	10/16/2019 11:40	0	0	0	107	10/16/2019 11:40	0	0
108	10/16/2019 11:41	0	0	0	108	10/16/2019 11:41	0	0
109	10/16/2019 11:42	0	0	0	109	10/16/2019 11:42	0	0
110	10/16/2019 11:43	0	0	0	110	10/16/2019 11:43	0	0
111	10/16/2019 11:44	0	0	0	111	10/16/2019 11:44	0	0
112	10/16/2019 11:45	0	0	0	112	10/16/2019 11:45	0	0
113	10/16/2019 11:46	0	0	0	113	10/16/2019 11:46	0	0
114	10/16/2019 11:47	0	0	0	114	10/16/2019 11:47	0	0
115	10/16/2019 11:48	0	0	0	115	10/16/2019 11:48	0	0
116	10/16/2019 11:49	0	0	0	116	10/16/2019 11:49	0	0
117	10/16/2019 11:50	0	0	0	117	10/16/2019 11:50	0	0
118	10/16/2019 11:51	0	0	0	118	10/16/2019 11:51	0	0
119	10/16/2019 11:52	0	0	0	119	10/16/2019 11:52	0	0
120	10/16/2019 11:53	0	0	0	120	10/16/2019 11:53	0	0
121	10/16/2019 11:54	0	0	0	121	10/16/2019 11:54	0	0
122	10/16/2019 11:55	0	0	0	122	10/16/2019 11:55	0	0
123	10/16/2019 11:56	0	0	0	123	10/16/2019 11:56	0	0
124	10/16/2019 11:57	0	0	0	124	10/16/2019 11:57	0	0
125	10/16/2019 11:58	0	0	0	125	10/16/2019 11:58	0	0
126	10/16/2019 11:59	0	0	0	126	10/16/2019 11:59	0	0
127	10/16/2019 12:00	0	0	0	127	10/16/2019 12:00	0	0
128	10/16/2019 12:01	0	0	0	128	10/16/2019 12:01	0	0
129	10/16/2019 12:02	0	0	0	129	10/16/2019 12:02	0	0
130	10/16/2019 12:03	0	0	0	130	10/16/2019 12:03	0	0
131	10/16/2019 12:04	0	0	0	131	10/16/2019 12:04	0	0
132	10/16/2019 12:05	0	0	0	132	10/16/2019 12:05	0	0
133	10/16/2019 12:06	0	0	0	133	10/16/2019 12:06	0	0
134	10/16/2019 12:07	0	0	0	134	10/16/2019 12:07	0	0
135	10/16/2019 12:08	0	0	0	135	10/16/2019 12:08	0	0
136	10/16/2019 12:09	0	0	0	136	10/16/2019 12:09	0	0
137	10/16/2019 12:10	0	0	0	137	10/16/2019 12:10	0	0
138	10/16/2019 12:11	0	0	0	138	10/16/2019 12:11	0	0
139	10/16/2019 12:12	0	0	0	139	10/16/2019 12:12	0	0
140	10/16/2019 12:13	0	0	0	140	10/16/2019 12:13	0	0
141	10/16/2019 12:14	0	0	0	141	10/16/2019 12:14	0	0
142	10/16/2019 12:15	0	0	0	142	10/16/2019 12:15	0	0
143	10/16/2019 12:16	0	0	0	143	10/16/2019 12:16	0	0
144	10/16/2019 12:17	0	0	0	144	10/16/2019 12:17	0	0
145	10/16/2019 12:18	0	0	0	145	10/16/2019 12:18	0	0
146	10/16/2019 12:19	0	0.1	0	146	10/16/2019 12:19	0	0
147	10/16/2019 12:20	0	0	0	147	10/16/2019 12:20	0	0
148	10/16/2019 12:21	0	0	0	148	10/16/2019 12:21	0	0
149	10/16/2019 12:22	0	0.1	0	149	10/16/2019 12:22	0	0
150	10/16/2019 12:23	0	0	0	150	10/16/2019 12:23	0	0
151	10/16/2019 12:24	0	0	0	151	10/16/2019 12:24	0	0
152	10/16/2019 12:25	0	0	0	152	10/16/2019 12:25	0	0
153	10/16/2019 12:26	0	0	0	153	10/16/2019 12:26	0	0
154	10/16/2019 12:27	0	0	0	154	10/16/2019 12:27	0	0
155	10/16/2019 12:28	0	0.1	0	155	10/16/2019 12:28	0	0
156	10/16/2019 12:29	0	0.1	0	156	10/16/2019 12:29	0	0
157	10/16/2019 12:30	0	0	0	157	10/16/2019 12:30	0	0
158	10/16/2019 12:31	0	0	0	158	10/16/2019 12:31	0	0
159	10/16/2019 12:32	0	0	0	159	10/16/2019 12:32	0	0
160	10/16/2019 12:33	0	0	0	160	10/16/2019 12:33	0	0
161	10/16/2019 12:34	0	0	0	161	10/16/2019 12:34	0	0
162	10/16/2019 12:35	0	0	0	162	10/16/2019 12:35	0	0
163	10/16/2019 12:36	0	0.1	0	163	10/16/2019 12:36	0	0
164	10/16/2019 12:37	0	0	0	164	10/16/2019 12:37	0	0
165	10/16/2019 12:38	0	0	0	165	10/16/2019 12:38	0	0
166	10/16/2019 12:39	0	0	0	166	10/16/2019 12:39	0	0
167	10/16/2019 12:40	0	0	0	167	10/16/2019 12:40	0	0

168	10/16/2019 12:41	0	0	0	168	10/16/2019 12:41	0	0	0
169	10/16/2019 12:42	0	0	0	169	10/16/2019 12:42	0	0	0
170	10/16/2019 12:43	0	0	0	170	10/16/2019 12:43	0	0	0
171	10/16/2019 12:44	0	0	0	171	10/16/2019 12:44	0	0	0
172	10/16/2019 12:45	0	0	0	172	10/16/2019 12:45	0	0	0
173	10/16/2019 12:46	0	0	0	173	10/16/2019 12:46	0	0	0
174	10/16/2019 12:47	0	0	0	174	10/16/2019 12:47	0	0	0
175	10/16/2019 12:48	0	0	0	175	10/16/2019 12:48	0	0	0
176	10/16/2019 12:49	0	0	0	176	10/16/2019 12:49	0	0	0
177	10/16/2019 12:50	0	0	0	177	10/16/2019 12:50	0	0	0
178	10/16/2019 12:51	0	0	0	178	10/16/2019 12:51	0	0	0
179	10/16/2019 12:52	0	0	0	179	10/16/2019 12:52	0	0	0
180	10/16/2019 12:53	0	0	0	180	10/16/2019 12:53	0	0	0
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182	10/16/2019 12:55	0	0	0	182	10/16/2019 12:55	0	0	0
183	10/16/2019 12:56	0	0	0	183	10/16/2019 12:56	0	0	0
184	10/16/2019 12:57	0	0	0	184	10/16/2019 12:57	0	0	0
185	10/16/2019 12:58	0	0	0	185	10/16/2019 12:58	0	0	0
186	10/16/2019 12:59	0	0	0	186	10/16/2019 12:59	0	0	0
187	10/16/2019 13:00	0	0	0	187	10/16/2019 13:00	0	0	0
188	10/16/2019 13:01	0	0.1	0	188	10/16/2019 13:01	0	0	0
189	10/16/2019 13:02	0	0	0	189	10/16/2019 13:02	0	0	0
190	10/16/2019 13:03	0	0	0	190	10/16/2019 13:03	0	0	0
191	10/16/2019 13:04	0	0	0	191	10/16/2019 13:04	0	0	0
192	10/16/2019 13:05	0	0	0	192	10/16/2019 13:05	0	0	0
193	10/16/2019 13:06	0	0	0	193	10/16/2019 13:06	0	0	0
194	10/16/2019 13:07	0	0.1	0.1	194	10/16/2019 13:07	0	0	0
195	10/16/2019 13:08	0	0.1	0.1	195	10/16/2019 13:08	0	0	0
196	10/16/2019 13:09	0	0.1	0	196	10/16/2019 13:09	0	0	0
197	10/16/2019 13:10	0	0.1	0	197	10/16/2019 13:10	0	0	0
198	10/16/2019 13:11	0	0.1	0	198	10/16/2019 13:11	0	0	0
199	10/16/2019 13:12	0	0.1	0	199	10/16/2019 13:12	0	0	0
200	10/16/2019 13:13	0	0.1	0.1	200	10/16/2019 13:13	0	0	0
201	10/16/2019 13:14	0	0.1	0	201	10/16/2019 13:14	0	0	0
202	10/16/2019 13:15	0	0.1	0.1	202	10/16/2019 13:15	0	0	0
203	10/16/2019 13:16	0	0.1	0	203	10/16/2019 13:16	0	0	0
204	10/16/2019 13:17	0	0	0	204	10/16/2019 13:17	0	0	0
205	10/16/2019 13:18	0	0.1	0.1	205	10/16/2019 13:18	0	0	0
206	10/16/2019 13:19	0.1	0.1	0.1	206	10/16/2019 13:19	0	0	0
207	10/16/2019 13:20	0.1	0.1	0.1	207	10/16/2019 13:20	0	0	0
208	10/16/2019 13:21	0.1	0.1	0.1	208	10/16/2019 13:21	0	0.1	0
209	10/16/2019 13:22	0.1	0.1	0.1	209	10/16/2019 13:22	0	0.1	0
Peak		0	0	0					
Min		0	0	0					
Average		0	0	0					

Instrument Name DustTrak II
Model Number 8530
Serial Number 8530183205
Firmware Version 3.8
Calibration Date 1/28/2019
Test Name MANUAL_003
Test Start Time 9:44:21 AM
Test Start Date 10/16/2019
Test Length [D:H:M] 0:03:20
Test Interval [M:S] 10:00
Mass Average [mg/m3] 0.033
Mass Minimum [mg/m3] 0.026
Mass Maximum [mg/m3] 0.063
Mass TWA [mg/m3] 0.014
Photometric User Cal 1
Flow User Cal 0
Errors
Number of Samples 20

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
600	0.026		
1200	0.063		
1800	0.04		
2400	0.029		
3000	0.033		
3600	0.036		
4200	0.03		
4800	0.03		
5400	0.032		
6000	0.033		
6600	0.034		
7200	0.035		
7800	0.034		
8400	0.033		
9000	0.032		
9600	0.03		
10200	0.027		
10800	0.028		
11400	0.032		
12000	0.029		

19/10/16 09:59

Summary
Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910712
Unit Firmware Ver V2.20A

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

Site ID 12345678
User ID 12345678

Begin 10/16/2019 9:59
End 10/16/2019 13:27
Sample Period(s) 60
Number of Records 208

Sensor PID(ppm)
Sensor SN 5023030021Q5
Measure Type Avg: Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/11/2019 11:07
Peak 0
Min 0
Average 0

Datalog					TWA/STEL				
Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
1	10/16/2019 10:00	0	0	0	1	10/16/2019 10:00	0	---	
2	10/16/2019 10:01	0	0	0	2	10/16/2019 10:01	0	---	
3	10/16/2019 10:02	0	0	0	3	10/16/2019 10:02	0	---	
4	10/16/2019 10:03	0	0	0	4	10/16/2019 10:03	0	---	
5	10/16/2019 10:04	0	0	0	5	10/16/2019 10:04	0	---	
6	10/16/2019 10:05	0	0	0	6	10/16/2019 10:05	0	---	
7	10/16/2019 10:06	0	0	0	7	10/16/2019 10:06	0	---	
8	10/16/2019 10:07	0	0	0	8	10/16/2019 10:07	0	---	
9	10/16/2019 10:08	0	0	0	9	10/16/2019 10:08	0	---	
10	10/16/2019 10:09	0	0	0	10	10/16/2019 10:09	0	---	
11	10/16/2019 10:10	0	0	0	11	10/16/2019 10:10	0	---	
12	10/16/2019 10:11	0	0	0	12	10/16/2019 10:11	0	---	
13	10/16/2019 10:12	0	0	0	13	10/16/2019 10:12	0	---	
14	10/16/2019 10:13	0	0	0	14	10/16/2019 10:13	0	---	
15	10/16/2019 10:14	0	0	0	15	10/16/2019 10:14	0	0	
16	10/16/2019 10:15	0	0	0	16	10/16/2019 10:15	0	0	
17	10/16/2019 10:16	0	0	0	17	10/16/2019 10:16	0	0	
18	10/16/2019 10:17	0	0	0	18	10/16/2019 10:17	0	0	
19	10/16/2019 10:18	0	0	0	19	10/16/2019 10:18	0	0	
20	10/16/2019 10:19	0	0	0	20	10/16/2019 10:19	0	0	
21	10/16/2019 10:20	0	0	0	21	10/16/2019 10:20	0	0	
22	10/16/2019 10:21	0	0	0	22	10/16/2019 10:21	0	0	
23	10/16/2019 10:22	0	0	0	23	10/16/2019 10:22	0	0	
24	10/16/2019 10:23	0	0	0	24	10/16/2019 10:23	0	0	
25	10/16/2019 10:24	0	0	0	25	10/16/2019 10:24	0	0	
26	10/16/2019 10:25	0	0	0	26	10/16/2019 10:25	0	0	
27	10/16/2019 10:26	0	0	0	27	10/16/2019 10:26	0	0	

28	10/16/2019 10:27	0	0	0	28	10/16/2019 10:27	0	0	0
29	10/16/2019 10:28	0	0	0	29	10/16/2019 10:28	0	0	0
30	10/16/2019 10:29	0	0	0	30	10/16/2019 10:29	0	0	0
31	10/16/2019 10:30	0	0	0	31	10/16/2019 10:30	0	0	0
32	10/16/2019 10:31	0	0	0	32	10/16/2019 10:31	0	0	0
33	10/16/2019 10:32	0	0	0	33	10/16/2019 10:32	0	0	0
34	10/16/2019 10:33	0	0	0	34	10/16/2019 10:33	0	0	0
35	10/16/2019 10:34	0	0	0	35	10/16/2019 10:34	0	0	0
36	10/16/2019 10:35	0	0	0	36	10/16/2019 10:35	0	0	0
37	10/16/2019 10:36	0	0	0	37	10/16/2019 10:36	0	0	0
38	10/16/2019 10:37	0	0	0	38	10/16/2019 10:37	0	0	0
39	10/16/2019 10:38	0	0	0	39	10/16/2019 10:38	0	0	0
40	10/16/2019 10:39	0	0	0	40	10/16/2019 10:39	0	0	0
41	10/16/2019 10:40	0	0	0	41	10/16/2019 10:40	0	0	0
42	10/16/2019 10:41	0	0	0	42	10/16/2019 10:41	0	0	0
43	10/16/2019 10:42	0	0	0	43	10/16/2019 10:42	0	0	0
44	10/16/2019 10:43	0	0	0	44	10/16/2019 10:43	0	0	0
45	10/16/2019 10:44	0	0	0	45	10/16/2019 10:44	0	0	0
46	10/16/2019 10:45	0	0	0	46	10/16/2019 10:45	0	0	0
47	10/16/2019 10:46	0	0	0	47	10/16/2019 10:46	0	0	0
48	10/16/2019 10:47	0	0	0	48	10/16/2019 10:47	0	0	0
49	10/16/2019 10:48	0	0	0	49	10/16/2019 10:48	0	0	0
50	10/16/2019 10:49	0	0	0	50	10/16/2019 10:49	0	0	0
51	10/16/2019 10:50	0	0	0	51	10/16/2019 10:50	0	0	0
52	10/16/2019 10:51	0	0	0	52	10/16/2019 10:51	0	0	0
53	10/16/2019 10:52	0	0	0	53	10/16/2019 10:52	0	0	0
54	10/16/2019 10:53	0	0	0	54	10/16/2019 10:53	0	0	0
55	10/16/2019 10:54	0	0	0	55	10/16/2019 10:54	0	0	0
56	10/16/2019 10:55	0	0	0	56	10/16/2019 10:55	0	0	0
57	10/16/2019 10:56	0	0	0	57	10/16/2019 10:56	0	0	0
58	10/16/2019 10:57	0	0	0	58	10/16/2019 10:57	0	0	0
59	10/16/2019 10:58	0	0	0	59	10/16/2019 10:58	0	0	0
60	10/16/2019 10:59	0	0	0	60	10/16/2019 10:59	0	0	0
61	10/16/2019 11:00	0	0	0	61	10/16/2019 11:00	0	0	0
62	10/16/2019 11:01	0	0	0	62	10/16/2019 11:01	0	0	0
63	10/16/2019 11:02	0	0	0	63	10/16/2019 11:02	0	0	0
64	10/16/2019 11:03	0	0	0	64	10/16/2019 11:03	0	0	0
65	10/16/2019 11:04	0	0	0	65	10/16/2019 11:04	0	0	0
66	10/16/2019 11:05	0	0	0	66	10/16/2019 11:05	0	0	0
67	10/16/2019 11:06	0	0	0	67	10/16/2019 11:06	0	0	0
68	10/16/2019 11:07	0	0	0	68	10/16/2019 11:07	0	0	0
69	10/16/2019 11:08	0	0	0	69	10/16/2019 11:08	0	0	0
70	10/16/2019 11:09	0	0	0	70	10/16/2019 11:09	0	0	0
71	10/16/2019 11:10	0	0	0	71	10/16/2019 11:10	0	0	0
72	10/16/2019 11:11	0	0	0	72	10/16/2019 11:11	0	0	0
73	10/16/2019 11:12	0	0	0	73	10/16/2019 11:12	0	0	0
74	10/16/2019 11:13	0	0	0	74	10/16/2019 11:13	0	0	0
75	10/16/2019 11:14	0	0	0	75	10/16/2019 11:14	0	0	0
76	10/16/2019 11:15	0	0	0	76	10/16/2019 11:15	0	0	0
77	10/16/2019 11:16	0	0	0	77	10/16/2019 11:16	0	0	0
78	10/16/2019 11:17	0	0	0	78	10/16/2019 11:17	0	0	0
79	10/16/2019 11:18	0	0	0	79	10/16/2019 11:18	0	0	0
80	10/16/2019 11:19	0	0	0	80	10/16/2019 11:19	0	0	0
81	10/16/2019 11:20	0	0	0	81	10/16/2019 11:20	0	0	0
82	10/16/2019 11:21	0	0	0	82	10/16/2019 11:21	0	0	0
83	10/16/2019 11:22	0	0	0	83	10/16/2019 11:22	0	0	0
84	10/16/2019 11:23	0	0	0	84	10/16/2019 11:23	0	0	0
85	10/16/2019 11:24	0	0	0	85	10/16/2019 11:24	0	0	0
86	10/16/2019 11:25	0	0	0	86	10/16/2019 11:25	0	0	0
87	10/16/2019 11:26	0	0	0	87	10/16/2019 11:26	0	0	0
88	10/16/2019 11:27	0	0	0	88	10/16/2019 11:27	0	0	0
89	10/16/2019 11:28	0	0	0	89	10/16/2019 11:28	0	0	0
90	10/16/2019 11:29	0	0	0	90	10/16/2019 11:29	0	0	0
91	10/16/2019 11:30	0	0	0	91	10/16/2019 11:30	0	0	0
92	10/16/2019 11:31	0	0	0	92	10/16/2019 11:31	0	0	0
93	10/16/2019 11:32	0	0	0	93	10/16/2019 11:32	0	0	0
94	10/16/2019 11:33	0	0	0	94	10/16/2019 11:33	0	0	0
95	10/16/2019 11:34	0	0	0	95	10/16/2019 11:34	0	0	0
96	10/16/2019 11:35	0	0	0	96	10/16/2019 11:35	0	0	0
97	10/16/2019 11:36	0	0	0	97	10/16/2019 11:36	0	0	0

1680	0
1740	0
1800	0
1860	0.004
1920	0.001
1980	0.001
2040	0.001
2100	0
2160	0.001
2220	0
2280	0
2340	0
2400	0.001
2460	0
2520	0
2580	0
2640	0
2700	0
2760	0.002
2820	0.001
2880	0
2940	0.006
3000	0.001
3060	0
3120	0.001
3180	0
3240	0
3300	0
3360	0
3420	0.001
3480	0.004
3540	0
3600	0
3660	0
3720	0
3780	0
3840	0
3900	0.001
3960	0.001
4020	0.001
4080	0.001
4140	0.001
4200	0.001
4260	0
4320	0
4380	0.001
4440	0.002

4500	0
4560	0
4620	0
4680	0
4740	0
4800	0
4860	0
4920	0
4980	0
5040	0
5100	0
5160	0
5220	0
5280	0
5340	0.012
5400	0.001
5460	0
5520	0
5580	0
5640	0.001
5700	0
5760	0
5820	0
5880	0
5940	0
6000	0.001
6060	0
6120	0.001
6180	0.001
6240	0.001
6300	0.001
6360	0
6420	0
6480	0
6540	0
6600	0
6660	0.001
6720	0.001
6780	0.003
6840	0.001
6900	0
6960	0
7020	0
7080	0.002
7140	0.001
7200	0
7260	0

7320	0
7380	0.002
7440	0.001
7500	0.003
7560	0.002
7620	0.001
7680	0.001
7740	0.005
7800	0.001
7860	0.005
7920	0.001
7980	0
8040	0
8100	0.001
8160	0
8220	0
8280	0
8340	0
8400	0
8460	0
8520	0.02
8580	0.001
8640	0
8700	0
8760	0.004
8820	0.03
8880	0.001
8940	0
9000	0
9060	0
9120	0
9180	0.001
9240	0.002
9300	0
9360	0
9420	0
9480	0
9540	0
9600	0
9660	0
9720	0
9780	0.001
9840	0.001
9900	0.001
9960	0.001
10020	0
10080	0

10140	0.001
10200	0.006
10260	0.015
10320	0.005
10380	0.007
10440	0.002
10500	0.008
10560	0.002
10620	0.001
10680	0.001
10740	0.001
10800	0
10860	0
10920	0
10980	0
11040	0.003
11100	0.002
11160	0.002
11220	0.005
11280	0.001
11340	0
11400	0.004
11460	0.002
11520	0
11580	0.002
11640	0.001
11700	0
11760	0.001
11820	0.001
11880	0.001
11940	0.001
12000	0.001
12060	0.001
12120	0.003
12180	0.001
12240	0
12300	0.001
12360	0.001
12420	0.001
12480	0.001
12540	0.003
12600	0.002
12660	0.006
12720	0.002
12780	0.001
12840	0.001
12900	0.001

12960 0.001
13020 0
13080 0
13140 0
13200 0
13260 0.001
13320 0.004
13380 0.004
13440 0.072
13500 0.001
13560 0.003
13620 0.003
13680 0.002
13740 0.001
13800 0.001
13860 0.003
13920 0.002
13980 0.066
14040 0.015
14100 0.01
14160 0.002
14220 0.002
14280 0.003
14340 0.002
14400 0.002
14460 0.001
14520 0.002
14580 0.001
14640 0.008
14700 0.002
14760 0.014
14820 0.006
14880 0.001
14940 0.005
15000 0.005
15060 0.006
15120 0.005
15180 0.002
15240 0.006
15300 0.001
15360 0.005
15420 0.004
15480 0.004
15540 0.002
15600 0.003
15660 0.017
15720 0.001

15780 0.001
15840 0.002
15900 0.002
15960 0.002
16020 0.004
16080 0.005
16140 0.002
16200 0.001
16260 0
16320 0.001
16380 0.001
16440 0.001
16500 0.001
16560 0.001
16620 0.001
16680 0.001
16740 0
16800 0
16860 0.001
16920 0.001
16980 0.001
17040 0.001
17100 0.001
17160 0.001
17220 0.001
17280 0.001
17340 0.001
17400 0.001
17460 0.002
17520 0.003
17580 0.002
17640 0.003
17700 0.002
17760 0.002
17820 0.001
17880 0.002
17940 0.001
18000 0.002
18060 0.003
18120 0.002
18180 0.002
18240 0.001
18300 0.001
18360 0.001
18420 0.001
18480 0.001
18540 0.001

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19/10/17 08:05

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910800
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	10/17/2019 8:05
End	10/17/2019 12:38
Sample Period(s)	60
Number of Records	272

Sensor	PID(ppm)
Sensor SN	502303015479
Measure Type	Avg; Max; Real
Span	100
Span 2	10000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/10/2019 17:15
Peak	0.3
Min	0
Average	0.1

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Datalog			
Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)
1	10/17/2019 8:06	0	0
2	10/17/2019 8:07	0	0
3	10/17/2019 8:08	0	0
4	10/17/2019 8:09	0	0
5	10/17/2019 8:10	0	0
6	10/17/2019 8:11	0	0
7	10/17/2019 8:12	0	0
8	10/17/2019 8:13	0	0
9	10/17/2019 8:14	0	0
10	10/17/2019 8:15	0	0
11	10/17/2019 8:16	0	0
12	10/17/2019 8:17	0	0
13	10/17/2019 8:18	0	0
14	10/17/2019 8:19	0	0
15	10/17/2019 8:20	0	0
16	10/17/2019 8:21	0	0
17	10/17/2019 8:22	0	0
18	10/17/2019 8:23	0	0
19	10/17/2019 8:24	0	0
20	10/17/2019 8:25	0	0
21	10/17/2019 8:26	0	0
22	10/17/2019 8:27	0	0
23	10/17/2019 8:28	0	0
24	10/17/2019 8:29	0	0
25	10/17/2019 8:30	0	0
26	10/17/2019 8:31	0	0
27	10/17/2019 8:32	0	0

TWA/STEL			
Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	10/17/2019 8:06	0	---
2	10/17/2019 8:07	0	---
3	10/17/2019 8:08	0	---
4	10/17/2019 8:09	0	---
5	10/17/2019 8:10	0	---
6	10/17/2019 8:11	0	---
7	10/17/2019 8:12	0	---
8	10/17/2019 8:13	0	---
9	10/17/2019 8:14	0	---
10	10/17/2019 8:15	0	---
11	10/17/2019 8:16	0	---
12	10/17/2019 8:17	0	---
13	10/17/2019 8:18	0	---
14	10/17/2019 8:19	0	---
15	10/17/2019 8:20	0	0
16	10/17/2019 8:21	0	0
17	10/17/2019 8:22	0	0
18	10/17/2019 8:23	0	0
19	10/17/2019 8:24	0	0
20	10/17/2019 8:25	0	0
21	10/17/2019 8:26	0	0
22	10/17/2019 8:27	0	0
23	10/17/2019 8:28	0	0
24	10/17/2019 8:29	0	0
25	10/17/2019 8:30	0	0
26	10/17/2019 8:31	0	0
27	10/17/2019 8:32	0	0

28	10/17/2019 8:33	0	0	0	28	10/17/2019 8:33	0	0	0
29	10/17/2019 8:34	0	0	0	29	10/17/2019 8:34	0	0	0
30	10/17/2019 8:35	0	0	0	30	10/17/2019 8:35	0	0	0
31	10/17/2019 8:36	0	0	0	31	10/17/2019 8:36	0	0	0
32	10/17/2019 8:37	0	0	0	32	10/17/2019 8:37	0	0	0
33	10/17/2019 8:38	0	0	0	33	10/17/2019 8:38	0	0	0
34	10/17/2019 8:39	0	0	0	34	10/17/2019 8:39	0	0	0
35	10/17/2019 8:40	0	0	0	35	10/17/2019 8:40	0	0	0
36	10/17/2019 8:41	0	0	0	36	10/17/2019 8:41	0	0	0
37	10/17/2019 8:42	0	0	0	37	10/17/2019 8:42	0	0	0
38	10/17/2019 8:43	0	0	0	38	10/17/2019 8:43	0	0	0
39	10/17/2019 8:44	0	0	0	39	10/17/2019 8:44	0	0	0
40	10/17/2019 8:45	0	0	0	40	10/17/2019 8:45	0	0	0
41	10/17/2019 8:46	0	0	0	41	10/17/2019 8:46	0	0	0
42	10/17/2019 8:47	0	0	0	42	10/17/2019 8:47	0	0	0
43	10/17/2019 8:48	0	0	0	43	10/17/2019 8:48	0	0	0
44	10/17/2019 8:49	0	0	0	44	10/17/2019 8:49	0	0	0
45	10/17/2019 8:50	0	0	0	45	10/17/2019 8:50	0	0	0
46	10/17/2019 8:51	0	0	0	46	10/17/2019 8:51	0	0	0
47	10/17/2019 8:52	0	0	0	47	10/17/2019 8:52	0	0	0
48	10/17/2019 8:53	0	0	0	48	10/17/2019 8:53	0	0	0
49	10/17/2019 8:54	0	0	0	49	10/17/2019 8:54	0	0	0
50	10/17/2019 8:55	0	0	0	50	10/17/2019 8:55	0	0	0
51	10/17/2019 8:56	0	0	0	51	10/17/2019 8:56	0	0	0
52	10/17/2019 8:57	0	0	0	52	10/17/2019 8:57	0	0	0
53	10/17/2019 8:58	0	0	0	53	10/17/2019 8:58	0	0	0
54	10/17/2019 8:59	0	0	0	54	10/17/2019 8:59	0	0	0
55	10/17/2019 9:00	0	0	0	55	10/17/2019 9:00	0	0	0
56	10/17/2019 9:01	0	0	0	56	10/17/2019 9:01	0	0	0
57	10/17/2019 9:02	0	0	0	57	10/17/2019 9:02	0	0	0
58	10/17/2019 9:03	0	0	0	58	10/17/2019 9:03	0	0	0
59	10/17/2019 9:04	0	0	0	59	10/17/2019 9:04	0	0	0
60	10/17/2019 9:05	0	0	0	60	10/17/2019 9:05	0	0	0
61	10/17/2019 9:06	0	0	0	61	10/17/2019 9:06	0	0	0
62	10/17/2019 9:07	0	0	0	62	10/17/2019 9:07	0	0	0
63	10/17/2019 9:08	0	0	0	63	10/17/2019 9:08	0	0	0
64	10/17/2019 9:09	0	0	0	64	10/17/2019 9:09	0	0	0
65	10/17/2019 9:10	0	0	0	65	10/17/2019 9:10	0	0	0
66	10/17/2019 9:11	0	0	0	66	10/17/2019 9:11	0	0	0
67	10/17/2019 9:12	0	0	0	67	10/17/2019 9:12	0	0	0
68	10/17/2019 9:13	0	0	0	68	10/17/2019 9:13	0	0	0
69	10/17/2019 9:14	0	0	0	69	10/17/2019 9:14	0	0	0
70	10/17/2019 9:15	0	0	0	70	10/17/2019 9:15	0	0	0
71	10/17/2019 9:16	0	0	0	71	10/17/2019 9:16	0	0	0
72	10/17/2019 9:17	0	0	0	72	10/17/2019 9:17	0	0	0
73	10/17/2019 9:18	0	0	0	73	10/17/2019 9:18	0	0	0
74	10/17/2019 9:19	0	0	0	74	10/17/2019 9:19	0	0	0
75	10/17/2019 9:20	0	0	0	75	10/17/2019 9:20	0	0	0
76	10/17/2019 9:21	0	0	0	76	10/17/2019 9:21	0	0	0
77	10/17/2019 9:22	0	0	0	77	10/17/2019 9:22	0	0	0
78	10/17/2019 9:23	0	0	0	78	10/17/2019 9:23	0	0	0
79	10/17/2019 9:24	0	0	0	79	10/17/2019 9:24	0	0	0
80	10/17/2019 9:25	0	0	0	80	10/17/2019 9:25	0	0	0
81	10/17/2019 9:26	0	0	0	81	10/17/2019 9:26	0	0	0
82	10/17/2019 9:27	0	0	0	82	10/17/2019 9:27	0	0	0
83	10/17/2019 9:28	0	0	0	83	10/17/2019 9:28	0	0	0
84	10/17/2019 9:29	0	0	0	84	10/17/2019 9:29	0	0	0
85	10/17/2019 9:30	0	0	0	85	10/17/2019 9:30	0	0	0
86	10/17/2019 9:31	0	0	0	86	10/17/2019 9:31	0	0	0
87	10/17/2019 9:32	0	0	0	87	10/17/2019 9:32	0	0	0
88	10/17/2019 9:33	0	0	0	88	10/17/2019 9:33	0	0	0
89	10/17/2019 9:34	0	0	0	89	10/17/2019 9:34	0	0	0
90	10/17/2019 9:35	0	0	0	90	10/17/2019 9:35	0	0	0
91	10/17/2019 9:36	0	0	0	91	10/17/2019 9:36	0	0	0
92	10/17/2019 9:37	0	0	0	92	10/17/2019 9:37	0	0	0
93	10/17/2019 9:38	0	0	0	93	10/17/2019 9:38	0	0	0
94	10/17/2019 9:39	0	0.1	0	94	10/17/2019 9:39	0	0	0
95	10/17/2019 9:40	0	0	0	95	10/17/2019 9:40	0	0	0
96	10/17/2019 9:41	0	0	0	96	10/17/2019 9:41	0	0	0
97	10/17/2019 9:42	0	0.1	0	97	10/17/2019 9:42	0	0	0

98	10/17/2019.9.43	0	0	0	98	10/17/2019.9.43	0	0
99	10/17/2019.9.44	0	0	0	99	10/17/2019.9.44	0	0
100	10/17/2019.9.45	0	0	0	100	10/17/2019.9.45	0	0
101	10/17/2019.9.46	0	0	0	101	10/17/2019.9.46	0	0
102	10/17/2019.9.47	0	0	0	102	10/17/2019.9.47	0	0
103	10/17/2019.9.48	0	0.1	0	103	10/17/2019.9.48	0	0
104	10/17/2019.9.49	0	0.1	0.1	104	10/17/2019.9.49	0	0
105	10/17/2019.9.50	0	0.1	0	105	10/17/2019.9.50	0	0
106	10/17/2019.9.51	0	0	0	106	10/17/2019.9.51	0	0
107	10/17/2019.9.52	0	0.1	0	107	10/17/2019.9.52	0	0
108	10/17/2019.9.53	0	0.1	0	108	10/17/2019.9.53	0	0
109	10/17/2019.9.54	0	0.1	0	109	10/17/2019.9.54	0	0
110	10/17/2019.9.55	0.1	0.1	0.1	110	10/17/2019.9.55	0	0
111	10/17/2019.9.56	0.1	0.1	0	111	10/17/2019.9.56	0	0
112	10/17/2019.9.57	0	0.1	0	112	10/17/2019.9.57	0	0
113	10/17/2019.9.58	0	0.1	0	113	10/17/2019.9.58	0	0
114	10/17/2019.9.59	0	0.1	0	114	10/17/2019.9.59	0	0
115	10/17/2019.10.00	0	0.1	0.1	115	10/17/2019.10.00	0	0
116	10/17/2019.10.01	0.1	0.1	0	116	10/17/2019.10.01	0	0
117	10/17/2019.10.02	0	0.1	0.1	117	10/17/2019.10.02	0	0
118	10/17/2019.10.03	0	0.1	0.1	118	10/17/2019.10.03	0	0
119	10/17/2019.10.04	0.1	0.1	0	119	10/17/2019.10.04	0	0
120	10/17/2019.10.05	0	0.1	0.1	120	10/17/2019.10.05	0	0
121	10/17/2019.10.06	0.1	0.1	0.1	121	10/17/2019.10.06	0	0
122	10/17/2019.10.07	0.1	0.1	0.1	122	10/17/2019.10.07	0	0.1
123	10/17/2019.10.08	0.1	0.1	0.1	123	10/17/2019.10.08	0	0.1
124	10/17/2019.10.09	0.1	0.1	0.1	124	10/17/2019.10.09	0	0.1
125	10/17/2019.10.10	0.1	0.1	0.1	125	10/17/2019.10.10	0	0.1
126	10/17/2019.10.11	0.1	0.1	0.1	126	10/17/2019.10.11	0	0.1
127	10/17/2019.10.12	0.1	0.1	0.1	127	10/17/2019.10.12	0	0.1
128	10/17/2019.10.13	0	0.1	0.1	128	10/17/2019.10.13	0	0.1
129	10/17/2019.10.14	0.1	0.1	0.1	129	10/17/2019.10.14	0	0.1
130	10/17/2019.10.15	0.1	0.1	0.1	130	10/17/2019.10.15	0	0.1
131	10/17/2019.10.16	0.1	0.1	0.1	131	10/17/2019.10.16	0	0.1
132	10/17/2019.10.17	0.1	0.1	0.1	132	10/17/2019.10.17	0	0.1
133	10/17/2019.10.18	0.1	0.1	0.1	133	10/17/2019.10.18	0	0.1
134	10/17/2019.10.19	0.1	0.1	0.1	134	10/17/2019.10.19	0	0.1
135	10/17/2019.10.20	0.1	0.1	0.1	135	10/17/2019.10.20	0	0.1
136	10/17/2019.10.21	0.1	0.1	0.1	136	10/17/2019.10.21	0	0.1
137	10/17/2019.10.22	0.1	0.1	0.1	137	10/17/2019.10.22	0	0.1
138	10/17/2019.10.23	0.1	0.1	0.1	138	10/17/2019.10.23	0	0.1
139	10/17/2019.10.24	0.1	0.1	0.1	139	10/17/2019.10.24	0	0.1
140	10/17/2019.10.25	0.1	0.1	0.1	140	10/17/2019.10.25	0	0.1
141	10/17/2019.10.26	0.1	0.1	0.1	141	10/17/2019.10.26	0	0.1
142	10/17/2019.10.27	0.2	0.2	0.2	142	10/17/2019.10.27	0	0.1
143	10/17/2019.10.28	0.1	0.2	0.1	143	10/17/2019.10.28	0	0.1
144	10/17/2019.10.29	0.1	0.2	0.1	144	10/17/2019.10.29	0	0.1
145	10/17/2019.10.30	0.1	0.1	0.1	145	10/17/2019.10.30	0	0.1
146	10/17/2019.10.31	0.1	0.3	0.1	146	10/17/2019.10.31	0	0.1
147	10/17/2019.10.32	0.1	0.2	0.1	147	10/17/2019.10.32	0	0.1
148	10/17/2019.10.33	0.1	0.2	0.2	148	10/17/2019.10.33	0	0.1
149	10/17/2019.10.34	0.2	0.2	0.1	149	10/17/2019.10.34	0	0.1
150	10/17/2019.10.35	0.2	0.2	0.2	150	10/17/2019.10.35	0	0.1
151	10/17/2019.10.36	0.2	0.2	0.2	151	10/17/2019.10.36	0	0.1
152	10/17/2019.10.37	0.2	0.2	0.2	152	10/17/2019.10.37	0	0.1
153	10/17/2019.10.38	0.2	0.2	0.2	153	10/17/2019.10.38	0	0.1
154	10/17/2019.10.39	0.1	0.2	0.2	154	10/17/2019.10.39	0	0.2
155	10/17/2019.10.40	0.1	0.2	0.1	155	10/17/2019.10.40	0	0.2
156	10/17/2019.10.41	0.1	0.2	0.1	156	10/17/2019.10.41	0	0.2
157	10/17/2019.10.42	0.2	0.2	0.2	157	10/17/2019.10.42	0	0.2
158	10/17/2019.10.43	0.2	0.2	0.2	158	10/17/2019.10.43	0	0.2
159	10/17/2019.10.44	0.2	0.2	0.2	159	10/17/2019.10.44	0	0.2
160	10/17/2019.10.45	0.2	0.2	0.2	160	10/17/2019.10.45	0	0.2
161	10/17/2019.10.46	0.2	0.2	0.1	161	10/17/2019.10.46	0	0.2
162	10/17/2019.10.47	0.2	0.2	0.2	162	10/17/2019.10.47	0	0.2
163	10/17/2019.10.48	0.2	0.2	0.2	163	10/17/2019.10.48	0	0.2
164	10/17/2019.10.49	0.2	0.2	0.2	164	10/17/2019.10.49	0	0.2
165	10/17/2019.10.50	0.2	0.2	0.2	165	10/17/2019.10.50	0	0.2
166	10/17/2019.10.51	0.2	0.2	0.2	166	10/17/2019.10.51	0	0.2
167	10/17/2019.10.52	0.2	0.2	0.2	167	10/17/2019.10.52	0	0.2

168	10/17/2019 10:53	0.2	0.2	0.2	168	10/17/2019 10:53	0	0.2
169	10/17/2019 10:54	0.2	0.3	0.2	169	10/17/2019 10:54	0	0.2
170	10/17/2019 10:55	0.2	0.3	0.2	170	10/17/2019 10:55	0	0.2
171	10/17/2019 10:56	0.2	0.2	0.2	171	10/17/2019 10:56	0	0.2
172	10/17/2019 10:57	0.2	0.2	0.2	172	10/17/2019 10:57	0	0.2
173	10/17/2019 10:58	0.2	0.2	0.2	173	10/17/2019 10:58	0	0.2
174	10/17/2019 10:59	0.2	0.3	0.2	174	10/17/2019 10:59	0	0.2
175	10/17/2019 11:00	0.2	0.3	0.2	175	10/17/2019 11:00	0	0.2
176	10/17/2019 11:01	0.2	0.2	0.2	176	10/17/2019 11:01	0	0.2
177	10/17/2019 11:02	0.2	0.3	0.2	177	10/17/2019 11:02	0	0.2
178	10/17/2019 11:03	0.2	0.3	0.2	178	10/17/2019 11:03	0	0.2
179	10/17/2019 11:04	0.2	0.3	0.2	179	10/17/2019 11:04	0	0.2
180	10/17/2019 11:05	0.2	0.3	0.2	180	10/17/2019 11:05	0	0.2
181	10/17/2019 11:06	0.2	0.3	0.3	181	10/17/2019 11:06	0	0.2
182	10/17/2019 11:07	0.2	0.3	0.3	182	10/17/2019 11:07	0	0.2
183	10/17/2019 11:08	0.2	0.3	0.2	183	10/17/2019 11:08	0	0.2
184	10/17/2019 11:09	0.2	0.2	0.2	184	10/17/2019 11:09	0	0.2
185	10/17/2019 11:10	0.2	0.2	0.2	185	10/17/2019 11:10	0	0.2
186	10/17/2019 11:11	0.2	0.2	0.2	186	10/17/2019 11:11	0	0.2
187	10/17/2019 11:12	0.2	0.2	0.2	187	10/17/2019 11:12	0	0.2
188	10/17/2019 11:13	0.2	0.2	0.2	188	10/17/2019 11:13	0	0.2
189	10/17/2019 11:14	0.2	0.3	0.2	189	10/17/2019 11:14	0	0.2
190	10/17/2019 11:15	0.2	0.3	0.2	190	10/17/2019 11:15	0	0.2
191	10/17/2019 11:16	0.2	0.3	0.2	191	10/17/2019 11:16	0	0.2
192	10/17/2019 11:17	0.2	0.2	0.1	192	10/17/2019 11:17	0	0.2
193	10/17/2019 11:18	0.2	0.2	0.2	193	10/17/2019 11:18	0	0.2
194	10/17/2019 11:19	0.2	0.3	0.2	194	10/17/2019 11:19	0	0.2
195	10/17/2019 11:20	0.2	0.3	0.2	195	10/17/2019 11:20	0	0.2
196	10/17/2019 11:21	0.2	0.2	0.2	196	10/17/2019 11:21	0	0.2
197	10/17/2019 11:22	0.2	0.2	0.2	197	10/17/2019 11:22	0	0.2
198	10/17/2019 11:23	0.2	0.2	0.2	198	10/17/2019 11:23	0	0.2
199	10/17/2019 11:24	0.2	0.2	0.2	199	10/17/2019 11:24	0	0.2
200	10/17/2019 11:25	0.2	0.2	0.2	200	10/17/2019 11:25	0	0.2
201	10/17/2019 11:26	0.2	0.2	0.2	201	10/17/2019 11:26	0	0.2
202	10/17/2019 11:27	0.2	0.2	0.2	202	10/17/2019 11:27	0	0.2
203	10/17/2019 11:28	0.2	0.3	0.2	203	10/17/2019 11:28	0	0.2
204	10/17/2019 11:29	0.2	0.2	0.2	204	10/17/2019 11:29	0	0.2
205	10/17/2019 11:30	0.2	0.2	0.2	205	10/17/2019 11:30	0	0.2
206	10/17/2019 11:31	0.2	0.2	0.3	206	10/17/2019 11:31	0	0.2
207	10/17/2019 11:32	0.2	0.2	0.2	207	10/17/2019 11:32	0	0.2
208	10/17/2019 11:33	0.2	0.2	0.2	208	10/17/2019 11:33	0	0.

238	10/17/2019 12:03	0.3	0.3	0.3	238	10/17/2019 12:03	0	0.3
239	10/17/2019 12:04	0.3	0.3	0.3	239	10/17/2019 12:04	0	0.3
240	10/17/2019 12:05	0.3	0.3	0.3	240	10/17/2019 12:05	0	0.3
241	10/17/2019 12:06	0.3	0.3	0.3	241	10/17/2019 12:06	0	0.3
242	10/17/2019 12:07	0.3	0.3	0.3	242	10/17/2019 12:07	0	0.3
243	10/17/2019 12:08	0.3	0.3	0.2	243	10/17/2019 12:08	0	0.3
244	10/17/2019 12:09	0.3	0.3	0.2	244	10/17/2019 12:09	0	0.3
245	10/17/2019 12:10	0.3	0.3	0.2	245	10/17/2019 12:10	0	0.3
246	10/17/2019 12:11	0.3	0.3	0.3	246	10/17/2019 12:11	0.1	0.3
247	10/17/2019 12:12	0.3	0.3	0.2	247	10/17/2019 12:12	0.1	0.3
248	10/17/2019 12:13	0.2	0.3	0.3	248	10/17/2019 12:13	0.1	0.3
249	10/17/2019 12:14	0.2	0.3	0.2	249	10/17/2019 12:14	0.1	0.3
250	10/17/2019 12:15	0.2	0.3	0.2	250	10/17/2019 12:15	0.1	0.3
251	10/17/2019 12:16	0.2	0.3	0.3	251	10/17/2019 12:16	0.1	0.3
252	10/17/2019 12:17	0.2	0.3	0.3	252	10/17/2019 12:17	0.1	0.3
253	10/17/2019 12:18	0.3	0.3	0.3	253	10/17/2019 12:18	0.1	0.3
254	10/17/2019 12:19	0.2	0.3	0.3	254	10/17/2019 12:19	0.1	0.3
255	10/17/2019 12:20	0.2	0.3	0.3	255	10/17/2019 12:20	0.1	0.3
256	10/17/2019 12:21	0.2	0.3	0.2	256	10/17/2019 12:21	0.1	0.3
257	10/17/2019 12:22	0.3	0.3	0.3	257	10/17/2019 12:22	0.1	0.3
258	10/17/2019 12:23	0.2	0.3	0.2	258	10/17/2019 12:23	0.1	0.2
259	10/17/2019 12:24	0.2	0.3	0.2	259	10/17/2019 12:24	0.1	0.2
260	10/17/2019 12:25	0.2	0.3	0.2	260	10/17/2019 12:25	0.1	0.2
261	10/17/2019 12:26	0.3	0.3	0.2	261	10/17/2019 12:26	0.1	0.2
262	10/17/2019 12:27	0.2	0.3	0.2	262	10/17/2019 12:27	0.1	0.2
263	10/17/2019 12:28	0.3	0.3	0.3	263	10/17/2019 12:28	0.1	0.2
264	10/17/2019 12:29	0.2	0.3	0.3	264	10/17/2019 12:29	0.1	0.2
265	10/17/2019 12:30	0.2	0.3	0.2	265	10/17/2019 12:30	0.1	0.2
266	10/17/2019 12:31	0.2	0.2	0.2	266	10/17/2019 12:31	0.1	0.2
267	10/17/2019 12:32	0.2	0.3	0.2	267	10/17/2019 12:32	0.1	0.2
268	10/17/2019 12:33	0.2	0.2	0.2	268	10/17/2019 12:33	0.1	0.2
269	10/17/2019 12:34	0.2	0.3	0.3	269	10/17/2019 12:34	0.1	0.2
270	10/17/2019 12:35	0.2	0.2	0.2	270	10/17/2019 12:35	0.1	0.2
271	10/17/2019 12:36	0.2	0.3	0.2	271	10/17/2019 12:36	0.1	0.2
272	10/17/2019 12:37	0.2	0.3	0.3	272	10/17/2019 12:37	0.1	0.2
Peak		0.3	0.3	0.3				
Min		0	0	0				
Average		0.1	0.1	0.1				

Instrument Name	DustTrak II		
Model Number	8530		
Serial Number	8530183205		
Firmware Version	3.8		
Calibration Date	1/28/2019		
Test Name	MANUAL_004		
Test Start Time	7:56:17 AM		
Test Start Date	10/17/2019		
Test Length [D:H:M]	0:05:00		
Test Interval [M:S]	10:00		
Mass Average [mg/m3]	0.028		
Mass Minimum [mg/m3]	0.02		
Mass Maximum [mg/m3]	0.038		
Mass TWA [mg/m3]	0.018		
Photometric User Cal	1		
Flow User Cal	0		
Errors			
Number of Samples	30		
Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
600	0.02		
1200	0.023		
1800	0.022		
2400	0.025		
3000	0.025		
3600	0.027		
4200	0.023		
4800	0.023		
5400	0.024		
6000	0.025		
6600	0.026		
7200	0.025		
7800	0.026		
8400	0.027		
9000	0.026		
9600	0.027		
10200	0.028		
10800	0.029		
11400	0.029		
12000	0.029		
12600	0.029		
13200	0.037		
13800	0.033		
14400	0.036		
15000	0.036		
15600	0.038		
16200	0.034		
16800	0.032		
17400	0.033		
18000	0.034		

19/10/17 08:11

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910712
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Battery Low

Site ID 12345678
User ID 12345678

Begin 10/17/2019 8:11
End 10/17/2019 12:17
Sample Period(s) 60
Number of Records 245

Sensor PID(ppm)
Sensor SN S023030021Q5
Measure Type Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/11/2019 11:07
Peak 0
Min 0
Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	10/17/2019 8:12	0	0	0
2	10/17/2019 8:13	0	0	0
3	10/17/2019 8:14	0	0	0
4	10/17/2019 8:15	0	0	0
5	10/17/2019 8:16	0	0	0
6	10/17/2019 8:17	0	0	0
7	10/17/2019 8:18	0	0	0
8	10/17/2019 8:19	0	0	0
9	10/17/2019 8:20	0	0	0
10	10/17/2019 8:21	0	0	0
11	10/17/2019 8:22	0	0	0
12	10/17/2019 8:23	0	0	0
13	10/17/2019 8:24	0	0	0
14	10/17/2019 8:25	0	0	0
15	10/17/2019 8:26	0	0	0
16	10/17/2019 8:27	0	0	0
17	10/17/2019 8:28	0	0	0
18	10/17/2019 8:29	0	0	0
19	10/17/2019 8:30	0	0	0
20	10/17/2019 8:31	0	0	0
21	10/17/2019 8:32	0	0	0
22	10/17/2019 8:33	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	10/17/2019 8:12	0	---
2	10/17/2019 8:13	0	---
3	10/17/2019 8:14	0	---
4	10/17/2019 8:15	0	---
5	10/17/2019 8:16	0	---
6	10/17/2019 8:17	0	---
7	10/17/2019 8:18	0	---
8	10/17/2019 8:19	0	---
9	10/17/2019 8:20	0	---
10	10/17/2019 8:21	0	---
11	10/17/2019 8:22	0	---
12	10/17/2019 8:23	0	---
13	10/17/2019 8:24	0	---
14	10/17/2019 8:25	0	---
15	10/17/2019 8:26	0	0
16	10/17/2019 8:27	0	0
17	10/17/2019 8:28	0	0
18	10/17/2019 8:29	0	0
19	10/17/2019 8:30	0	0
20	10/17/2019 8:31	0	0
21	10/17/2019 8:32	0	0
22	10/17/2019 8:33	0	0

23	10/17/2019 8:34	0	0	0
24	10/17/2019 8:35	0	0	0
25	10/17/2019 8:36	0	0	0
26	10/17/2019 8:37	0	0	0
27	10/17/2019 8:38	0	0	0
28	10/17/2019 8:39	0	0	0
29	10/17/2019 8:40	0	0	0
30	10/17/2019 8:41	0	0	0
31	10/17/2019 8:42	0	0	0
32	10/17/2019 8:43	0	0	0
33	10/17/2019 8:44	0	0	0
34	10/17/2019 8:45	0	0	0
35	10/17/2019 8:46	0	0	0
36	10/17/2019 8:47	0	0	0
37	10/17/2019 8:48	0	0	0
38	10/17/2019 8:49	0	0	0
39	10/17/2019 8:50	0	0	0
40	10/17/2019 8:51	0	0	0
41	10/17/2019 8:52	0	0	0
42	10/17/2019 8:53	0	0	0
43	10/17/2019 8:54	0	0	0
44	10/17/2019 8:55	0	0	0
45	10/17/2019 8:56	0	0	0
46	10/17/2019 8:57	0	0	0
47	10/17/2019 8:58	0	0	0
48	10/17/2019 8:59	0	0	0
49	10/17/2019 9:00	0	0	0
50	10/17/2019 9:01	0	0	0
51	10/17/2019 9:02	0	0	0
52	10/17/2019 9:03	0	0	0
53	10/17/2019 9:04	0	0	0
54	10/17/2019 9:05	0	0	0
55	10/17/2019 9:06	0	0	0
56	10/17/2019 9:07	0	0	0
57	10/17/2019 9:08	0	0	0
58	10/17/2019 9:09	0	0	0
59	10/17/2019 9:10	0	0	0
60	10/17/2019 9:11	0	0	0
61	10/17/2019 9:12	0	0	0
62	10/17/2019 9:13	0	0	0
63	10/17/2019 9:14	0	0	0
64	10/17/2019 9:15	0	0	0
65	10/17/2019 9:16	0	0	0
66	10/17/2019 9:17	0	0	0
67	10/17/2019 9:18	0	0	0
68	10/17/2019 9:19	0	0	0
69	10/17/2019 9:20	0	0	0
70	10/17/2019 9:21	0	0	0
71	10/17/2019 9:22	0	0	0
72	10/17/2019 9:23	0	0	0
73	10/17/2019 9:24	0	0	0
74	10/17/2019 9:25	0	0	0
75	10/17/2019 9:26	0	0	0
76	10/17/2019 9:27	0	0	0
77	10/17/2019 9:28	0	0	0
78	10/17/2019 9:29	0	0	0
79	10/17/2019 9:30	0	0	0
80	10/17/2019 9:31	0	0	0
81	10/17/2019 9:32	0	0	0
82	10/17/2019 9:33	0	0	0
83	10/17/2019 9:34	0	0	0
84	10/17/2019 9:35	0	0	0
85	10/17/2019 9:36	0	0	0
86	10/17/2019 9:37	0	0	0
87	10/17/2019 9:38	0	0	0

23	10/17/2019 8:34	0	0
24	10/17/2019 8:35	0	0
25	10/17/2019 8:36	0	0
26	10/17/2019 8:37	0	0
27	10/17/2019 8:38	0	0
28	10/17/2019 8:39	0	0
29	10/17/2019 8:40	0	0
30	10/17/2019 8:41	0	0
31	10/17/2019 8:42	0	0
32	10/17/2019 8:43	0	0
33	10/17/2019 8:44	0	0
34	10/17/2019 8:45	0	0
35	10/17/2019 8:46	0	0
36	10/17/2019 8:47	0	0
37	10/17/2019 8:48	0	0
38	10/17/2019 8:49	0	0
39	10/17/2019 8:50	0	0
40	10/17/2019 8:51	0	0
41	10/17/2019 8:52	0	0
42	10/17/2019 8:53	0	0
43	10/17/2019 8:54	0	0
44	10/17/2019 8:55	0	0
45	10/17/2019 8:56	0	0
46	10/17/2019 8:57	0	0
47	10/17/2019 8:58	0	0
48	10/17/2019 8:59	0	0
49	10/17/2019 9:00	0	0
50	10/17/2019 9:01	0	0
51	10/17/2019 9:02	0	0
52	10/17/2019 9:03	0	0
53	10/17/2019 9:04	0	0
54	10/17/2019 9:05	0	0
55	10/17/2019 9:06	0	0
56	10/17/2019 9:07	0	0
57	10/17/2019 9:08	0	0
58	10/17/2019 9:09	0	0
59	10/17/2019 9:10	0	0
60	10/17/2019 9:11	0	0
61	10/17/2019 9:12	0	0
62	10/17/2019 9:13	0	0
63	10/17/2019 9:14	0	0
64	10/17/2019 9:15	0	0
65	10/17/2019 9:16	0	0
66	10/17/2019 9:17	0	0
67	10/17/2019 9:18	0	0
68	10/17/2019 9:19	0	0
69	10/17/2019 9:20	0	0
70	10/17/2019 9:21	0	0
71	10/17/2019 9:22	0	0
72	10/17/2019 9:23	0	0
73	10/17/2019 9:24	0	0
74	10/17/2019 9:25	0	0
75	10/17/2019 9:26	0	0
76	10/17/2019 9:27	0	0
77	10/17/2019 9:28	0	0
78	10/17/2019 9:29	0	0
79	10/17/2019 9:30	0	0
80	10/17/2019 9:31	0	0
81	10/17/2019 9:32	0	0
82	10/17/2019 9:33	0	0
83	10/17/2019 9:34	0	0
84	10/17/2019 9:35	0	0
85	10/17/2019 9:36	0	0
86	10/17/2019 9:37	0	0
87	10/17/2019 9:38	0	0

88	10/17/2019 9:39	0	0	0
89	10/17/2019 9:40	0	0	0
90	10/17/2019 9:41	0	0	0
91	10/17/2019 9:42	0	0	0
92	10/17/2019 9:43	0	0	0
93	10/17/2019 9:44	0	0	0
94	10/17/2019 9:45	0	0	0
95	10/17/2019 9:46	0	0	0
96	10/17/2019 9:47	0	0	0
97	10/17/2019 9:48	0	0	0
98	10/17/2019 9:49	0	0	0
99	10/17/2019 9:50	0	0	0
100	10/17/2019 9:51	0	0	0
101	10/17/2019 9:52	0	0	0
102	10/17/2019 9:53	0	0	0
103	10/17/2019 9:54	0	0	0
104	10/17/2019 9:55	0	0	0
105	10/17/2019 9:56	0	0	0
106	10/17/2019 9:57	0	0	0
107	10/17/2019 9:58	0	0	0
108	10/17/2019 9:59	0	0	0
109	10/17/2019 10:00	0	0	0
110	10/17/2019 10:01	0	0	0
111	10/17/2019 10:02	0	0	0
112	10/17/2019 10:03	0	0	0
113	10/17/2019 10:04	0	0	0
114	10/17/2019 10:05	0	0	0
115	10/17/2019 10:06	0	0	0
116	10/17/2019 10:07	0	0	0
117	10/17/2019 10:08	0	0	0
118	10/17/2019 10:09	0	0	0
119	10/17/2019 10:10	0	0	0
120	10/17/2019 10:11	0	0	0
121	10/17/2019 10:12	0	0	0
122	10/17/2019 10:13	0	0	0
123	10/17/2019 10:14	0	0	0
124	10/17/2019 10:15	0	0	0
125	10/17/2019 10:16	0	0	0
126	10/17/2019 10:17	0	0	0
127	10/17/2019 10:18	0	0	0
128	10/17/2019 10:19	0	0	0
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130	10/17/2019 10:21	0	0	0
131	10/17/2019 10:22	0	0	0
132	10/17/2019 10:23	0	0	0
133	10/17/2019 10:24	0	0	0
134	10/17/2019 10:25	0	0	0
135	10/17/2019 10:26	0	0	0
136	10/17/2019 10:27	0	0	0
137	10/17/2019 10:28	0	0	0
138	10/17/2019 10:29	0	0	0
139	10/17/2019 10:30	0	0	0
140	10/17/2019 10:31	0	0	0
141	10/17/2019 10:32	0	0	0
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143	10/17/2019 10:34	0	0	0
144	10/17/2019 10:35	0	0	0
145	10/17/2019 10:36	0	0	0
146	10/17/2019 10:37	0	0	0
147	10/17/2019 10:38	0	0	0
148	10/17/2019 10:39	0	0	0
149	10/17/2019 10:40	0	0	0
150	10/17/2019 10:41	0	0	0
151	10/17/2019 10:42	0	0	0
152	10/17/2019 10:43	0	0	0

88	10/17/2019 9:39	0	0
89	10/17/2019 9:40	0	0
90	10/17/2019 9:41	0	0
91	10/17/2019 9:42	0	0
92	10/17/2019 9:43	0	0
93	10/17/2019 9:44	0	0

218	10/17/2019 11:49	0	0	0
219	10/17/2019 11:50	0	0	0
220	10/17/2019 11:51	0	0	0
221	10/17/2019 11:52	0.1	0.5	0
222	10/17/2019 11:53	0	0	0
223	10/17/2019 11:54	0	0	0
224	10/17/2019 11:55	0	0	0
225	10/17/2019 11:56	0	0	0
226	10/17/2019 11:57	0	0	0
227	10/17/2019 11:58	0	0	0
228	10/17/2019 11:59	0	0	0
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230	10/17/2019 12:01	0	0	0
231	10/17/2019 12:02	0	0	0
232	10/17/2019 12:03	0	0	0
233	10/17/2019 12:04	0	0	0
234	10/17/2019 12:05	0	0	0
235	10/17/2019 12:06	0	0	0
236	10/17/2019 12:07	0	0	0
237	10/17/2019 12:08	0	0	0
238	10/17/2019 12:09	0	0	0
239	10/17/2019 12:10	0	0.1	0
240	10/17/2019 12:11	0.1	0.2	0
241	10/17/2019 12:12	0	0	0
242	10/17/2019 12:13	0	0	0
243	10/17/2019 12:14	0	0	0
244	10/17/2019 12:15	0	0	0
245	10/17/2019 12:16	0	0	0
Peak		0.1	0.5	0
Min		0	0	0
Average		0	0	0

218	10/17/2019 11:49	0	0
219	10/17/2019 11:50	0	0
220	10/17/2019 11:51	0	0
221	10/17/2019 11:52	0	0
222	10/17/2019 11:53	0	0
223	10/17/2019 11:54	0	0
224	10/17/2019 11:55	0	0
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233	10/17/2019 12:04	0	0
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236	10/17/2019 12:07	0	0
237	10/17/2019 12:08	0	0
238	10/17/2019 12:09	0	0
239	10/17/2019 12:10	0	0
240	10/17/2019 12:11	0	0
241	10/17/2019 12:12	0	0
242	10/17/2019 12:13	0	0
243	10/17/2019 12:14	0	0
244	10/17/2019 12:15	0	0
245	10/17/2019 12:16	0	0

		Daily Log 95 Ames St Rochester, New York		Date: 10/18/2019 JOB #: 2161270.043 TIME ON-SITE: 0700 TIME OFF-SITE: 1530
LABELLA REPRESENTATIVE: S. Logan		CONTRACTOR: Aldridge		WEATHER: 55F, sunny
AIR MONITORING:				
LOCATION		PID SERIAL #		DUST TRAK SERIAL #
UPWIND		592-910712		8530183205
DOWNWIND		592-910800		8530182507
SUMMARY OF WORK PERFORMED				
Time				
0700	Arrive on site, wait for contractor to open the gate.			
0730	Contractor arrives on site.			
	Today is primarily clean-up, decontamination of gear for shipment off-site. Sampling of soil & water will occur later in the day when dumpsters and frac tank are either fully completed or mostly complete, to ensure as representative a sample as possible from each.			
	Wash-out area for heavy equipment is constructed.			
0830	Joe Lyons from LaBella arrives on site for a separate review of concrete wash-out area, which broke one of its walls yesterday evening.			
	Aldridge brooms the entire work area with bobcat attachment several times, placing collected soil into dumpsters.			
	Aldridge also cleans up topsoil area where the third structure was created, removing any contaminated soil to dumpsters, smoothing out the area, and spreading hay for erosion control.			
	Heavy equipment cleaning commences in the constructed wash-out area.			
1400	99% of the soil is collected into the dumpsters. Samples each from 192-138 and 139 are collected, and a composite sample from each of the dumpsters for 192-140 is collected.			
	99% of the water has been collected from the all pertinent areas. A sample was taken from the frac tank for analysis.			
1530	Clean-up of the site is finished for the day. Completion of all final clean-up will be completed tomorrow, Saturday.			
	S.Logan off site.			



APPENDIX C

Excavation Work Plan

FORMER TAYLOR INSTRUMENTS SITE
 95 AMES STREET
 ROCHESTER, NEW YORK
 MONROE COUNTY

Excavation Work Plan

NYSDEC Site Number: 828028a

Prepared for:
 Rochester Gas & Electric
 1300 Scottsville Road
 Rochester, New York 14624

Prepared by:
 LaBella Associates
 300 State Street
 Rochester, New York 14614

MARCH 2019

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Figure 1	Site Location
Figure 2	Site Plan
Figure 3	Remedial Locations

Appendices

Appendix 1	Health and Safety Plan
Appendix 2	Community Air Monitoring Plan
Appendix 3	Change of Use Form
Appendix 4	Concrete Washout Detail

Excavation Work Plan Site # 82028a

1. NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination, the site owner (Gray Rock Rochester, LLC) or their representative will notify the NYSDEC. The notification will be made to:

Frank Sowers, PE	585-226-5357 frank.sowers@dec.ny.gov
Kelly Lewandowski	518-402-9553 kelly.lewandowski@dec.ny.gov

This notification will include:

- A description of stockpile locations and procedures for reusing soil at the Site.
- A detailed description of the work to be performed, including the location and areal extent of excavation, plans/drawings for site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of contaminated soil to be excavated and any work that may impact an engineering control;
- A summary of environmental conditions anticipated to be encountered in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;
- A schedule for the work, detailing the start and completion of all intrusive work;
- A summary of the applicable components of this EWP;
- A statement that the work will be performed in compliance with this EWP and 29 CFR 1910.120;
- A copy of the contractor's health and safety plan (HASP), in electronic format, if it differs from the HASP provided in Appendix 1 of this EWP;
- Identification of disposal facilities for potential waste streams; and
- Identification of sources of any anticipated backfill, along with all required chemical testing results.

At the time this Notification is made, the NYSDEC will notify the Monroe County Department of Health and New York State Department of Health per the Soil Management Plan requirements.

Excavation Work Plan Site # 82028a

2. INTRODUCTION

This Excavation Work Plan (EWP) has been prepared for construction of three (3) overhead electrical transmission line structures within the Former Taylor Instruments Facility (Taylor) located at 95 Ames Street, Rochester, Monroe County, New York ("the Site") (refer to Figure 1). This EWP is only applicable to the work associated with the installation of the overhead electrical transmission line structures and work in the proximity of this, and not the entire 95 Ames Street Site. The Site is part of a 14-acre parcel designated New York State Department of Environmental Conservation (NYSDEC) Site 828028a. The former Taylor Instruments Facility has been demolished and the site is improved with an asphalt cap.

The Site was previously remediated under the direction of the NYSDEC. Cleanup activities included: excavation of approximately 29,000 Tons of chlorinated solvent (specifically, Trichloroethylene) contaminated soil, eliminating on-Site storm water sewer connections to the existing Ames Street storm water sewers, and the installation of a Dual Phase Vapor Extraction (DPVE) system for deep soils and groundwater contamination. An asphalt cap was applied to the area within the blue circle (Figure 3). The DPVE system had reached asymptotic contaminant removals by July 2006 and the NYSDEC approved a pilot-scale application of Hydrogen Release Compound (HRC) Advanced® (now known as 3DME®). Additional remediation measures had proven effective at the Site and the Remedial Treatment System was decommissioned per NYSDEC approval in 2010.

The 2018 Annual Progress Report was submitted by ABB, Inc. on March 5th, 2019 and is under NYSDEC Review. The 2017 Annual Progress Report prepared by Amec Foster Wheeler summarizes the most recent site conditions and contamination. Contaminants of concern (COC) are Tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (Trans-1,2-DCE), 1,1-dichloroethene (1,1-DCE) and Vinyl Chloride. COCs in three (3) of the eight (8) overburden groundwater wells are presently near or below the NYSDEC Class GA standards. COCs in the North Source Area bedrock well are near the NYSDEC Class GA

Excavation Work Plan Site # 82028a

Standards. Based on the 2017 sampling events, it was determined that the overburden groundwater contaminant plume in the northern portion of the Site is demonstrating evidence of plume stability.

Since the shutdown of the Remedial system in 2006, Site monitoring wells have not demonstrated significant rebound effects and overall declines remain evident. Since the 3DME® injection, a decrease in contaminant mass has been identified, indicating that the injections are enhancing contaminant biodegradation. Bedrock groundwater has indicated enhanced contaminant biodegradation based on a decrease in TCE contaminant mass and overall increase in TCE daughter products. The overburden groundwater plume located at the southern portion of the Site has been stable for the last few years and contaminant levels are near NYSDEC Class GA standards. Overburden groundwater in the northern portion of the site is demonstrating evidence of plume stability and has shown recent declines in contaminant mass.

This EWP is to be implemented during subsurface work associated with construction of three (3) overhead electric utility structures at the Site in conjunction with the Soil Management Plan (SMP) dated April 2005. The structures will be utilized to support an overhead electric line that runs along the north boundary of the property. The structure locations are shown on Figure 2 and 3. A portion of the planned construction activities are within the area subject to engineering controls (refer to Figure 3). The Site Groundwater Monitoring Well network will be maintained during the construction activities mentioned in this EWP.

This EWP is specific to the planned structures shown on the attached figures, but may be modified in the future if other construction activities are planned. The structures planned for construction are as follows: Structure 941-138 and Structure 941-139 are 105-ft and 95-ft. poles that are to be direct embedded to depths of 15-feet below ground surface (ft. bgs.) and 13.5-ft. bgs., respectively. Structure 941-140 is a 75.5-ft tall pole to be installed on a concrete foundation. All three (3) structures will be composed of steel. Direct embedding construction includes auguring a hole and pushing the steel pole to the desired depth. Dewatering is not required for direct embedded structures. The concrete

Excavation Work Plan Site # 82028a

foundation structure will have a diameter of 7-ft. and will be installed to a depth of 21-ft. bgs. A drill rig will be used to install the caisson liner to the desired depth. Concrete will then be poured and groundwater will only be pumped out as it is displaced by the concrete. Excessive dewatering will not be needed and the drilling and concrete pour will be conducted over a 24-hour time period.

3. SOIL SCREENING METHODS

The planned structures are not within an area of known remaining contamination. A qualified environmental professional or person under their supervision will screen excavated soils with a photoionization detector (PID), Jerome Vapor Analyzer (JVA) along with visual olfactory screening to assess for contamination. All soil spoils generated from auguring are to be segregated and sampled for USEPA Method 8260 and 7471A analyses in addition to appropriate waste characterization based on landfill requirements. The analytical results for segregated material will be evaluated and used to determine the appropriate soil/material management (i.e., sent off-Site as non-hazardous waste or sent off-Site as a hazardous waste). No excavated materials are to be re-used on-Site during the installation of the aforementioned structures.

All material to be taken off site will be tested, transported, and/or disposed of in accordance with applicable local, State, and Federal regulations. Further discussion of off-site disposal of materials is provided in Section 5 of this EWP.

4. SOIL STAGING METHODS

One (1) stockpile will be generated per each structure proposed to be installed. Soils will be stockpiled in the vicinity of each structure and auger borehole location.

Soil stockpiles will be continuously encircled with a berm and/or silt fence. Hay bales will be used as needed near catch basins, surface waters and other discharge points. Catch basins will be covered with silt sock covers to stop the movement of Site soils into Site catch basins.

Excavation Work Plan Site # 82028a

Stockpiles of augured spoil material will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC.

5. MATERIALS EXCAVATION AND LOAD-OUT

A qualified environmental professional or person under their supervision will oversee all intrusive work, auguring, excavation and load-out of the material.

Rochester Gas and Electric (RG&E) contractors are responsible for safe execution of all intrusive and other work performed under this EWP. The presence of utilities on the site will be investigated by the contractor.

If soil is exported from the Site, loaded vehicles leaving the site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements). Prior to Vehicles leaving the Site, all excess soil and materials will be broom cleaned or manually removed.

Locations where vehicles enter or exit the site shall be inspected daily for evidence of off-site soil tracking.

The contractor will be responsible for ensuring that all egress points for truck and equipment transport from the site are clean of dirt and other materials derived from the site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to site-derived materials.

6. MATERIALS TRANSPORT OFF-SITE

All transport of excavated contaminated materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Excavation Work Plan Site # 82028a

Excavated contaminated materials transported by trucks exiting the site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

Truck transport routes from the construction area will be north on Ames Street to the I-490 entrance. The attached Site Plan (Figure 2) shows the construction entrance location. All trucks loaded with site materials will exit the vicinity of the site using only this approved truck route. Trucks will be prohibited from stopping and idling in the neighborhood outside the project site. Egress points for truck and equipment transport from the site will be kept clean of dirt and other materials during site remediation and development. Queuing of trucks will be performed on-site via Ames Street in order to minimize off-site disturbance. Off-site queuing on Ames Street and West Avenue will be prohibited.

7. MATERIALS DISPOSAL OFF-SITE

Material for off-Site disposal will be tested in accordance with applicable local, State, and Federal regulations including NYCRR Part 360 and NYCRR Part 375. It is not anticipated that any material from the Site will be treated as unregulated for off-site disposal (i.e. clean soil removed for development purposes). A formal request with an associated plan will be made to the NYSDEC if disposal of un-regulated materials off-Site is necessary. Unregulated off-site management of materials from this site will not occur without formal NYSDEC approval.

Off-site disposal locations for excavated soils will be identified in a notice to NYSDEC. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, i.e. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C/D recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2. Material that does

Excavation Work Plan Site # 82028a

not meet Unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

8. MATERIALS REUSE ON-SITE

As part of the installation of the three (3) structures as part of this project, it is anticipated that no Site soils will be re-used on-Site. However, if encountered, material reuse on-site will comply with the requirements of the SMP.

The qualified environmental professional will ensure that procedures defined for materials reuse are followed and that unacceptable material (i.e. any spoils excavated on-Site) does not remain at the surface. Contaminated on-site material that is acceptable for reuse on-site will be placed below an impervious surface (i.e., asphalt or concrete building slab), and will not be placed at the surface.

Concrete crushing or processing on-site will not be performed without prior NYSDEC approval. Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the site will not be reused on-site.

9. FLUIDS MANAGEMENT

All liquids to be removed from the site, including but not limited to, excavation dewatering and decontamination waters will be handled, transported and disposed in accordance with applicable local, State, and Federal regulations. Dewatering fluids will not be recharged back to the land surface or subsurface of the site, and will be managed off-site, unless prior approval is obtained from NYSDEC.

Discharge of water generated during large-scale construction activities to surface waters (i.e. a local pond, stream or river) will be performed under a SPDES permit.

It is anticipated that for the proposed installation of the three (3) structures, groundwater encountered will be containerized and will be batch sampled in accordance with proposed disposal facility requirements. It is anticipated that groundwater dewatering will only occur during the installation of Structure 940-140 and will occur over the length of one (1) day. It is assumed that a new project specific MCPW Industrial Use Permit will be obtained and that a majority of excavation water will be stored,

Excavation Work Plan Site # 82028a

sampled, managed and discharged in accordance with the project-specific MCPW Industrial Use Permit.

10. BACKFILL FROM OFF-SITE SOURCES

All materials proposed for import onto the site will be approved by the qualified environmental professional and will be in compliance with provisions in this EWP prior to receipt at the site. A Request to Import/Reuse Fill or Soil form, which can be found at <http://www.dec.ny.gov/regulations/67386.html>, will be prepared and submitted to the NYSDEC project manager allowing a minimum of 5 business days for review.

Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the site.

All imported soils will meet the backfill and cover soil quality standards established in 6NYCRR 375-6.7(d). Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this site, will not be imported onto the site without prior approval by NYSDEC. Solid waste will not be imported onto the site.

Trucks entering the site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

11. STORMWATER POLLUTION PREVENTION

A concrete wash-out (detailed in Appendix 4), silt sock catch basin covers and silt fence will be constructed as shown on the attached Site Plan (Figure 2) and inspected regularly by the contractor. Construction details of storm water management infrastructure are shown on Figure 2. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC. All necessary repairs shall be made immediately.

Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. All undercutting or erosion of the silt fence toe anchor shall be

Excavation Work Plan Site # R2028a

repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.

12. EXCAVATION CONTINGENCY PLAN

If underground tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for a full list of Toxicity Characteristic Leaching Procedure (TCLP) analyses for waste characterization (TCLP VOCs, TCLP SVOCs, TCLP Metals, PCBs and Pesticides) prior to disposal, unless the site history and previous sampling results provide a sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC for approval prior to sampling.

Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated by phone to NYSDEC's Project Manager. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. These findings will be also included in the Periodic Review Report.

13. COMMUNITY AIR MONITORING PLAN

The NYSDOH Generic Community Air Monitoring Plan (CAMP) will be implemented at the Site (refer to Appendix 2). CAMP stations will be set up at a downwind and upwind location during subsurface work. CAMP locations will be determined based on prevailing wind direction during work. Dust and VOCs will be

Excavation Work Plan Site # R2028a

continuously recorded in accordance with the CAMP. Exceedances of action levels listed in the CAMP will be reported to NYSDEC and NYSDOH Project Managers.

14. ODOR CONTROL PLAN

This odor control plan is capable of controlling emissions of nuisance odors off-site and on-site. Specific odor control methods to be used if required may include chemical odorants in spray or misting systems. If nuisance odors are identified at the site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of any other complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the qualified environmental professional, and any measures that are implemented will be discussed in the Periodic Review Report.

All necessary means will be employed to prevent on- and off-site nuisances. At a minimum, these measures will include: (a) limiting the area of open excavations and size of soil stockpiles; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-site disposal; (e) use of chemical odorants in spray or misting systems; and, (f) use of staff to monitor odors in surrounding neighborhoods.

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a temporary containment structure equipped with appropriate air venting/filtering systems.

15. DUST CONTROL PLAN

Dust management during invasive on-site work will be conducted as follows:

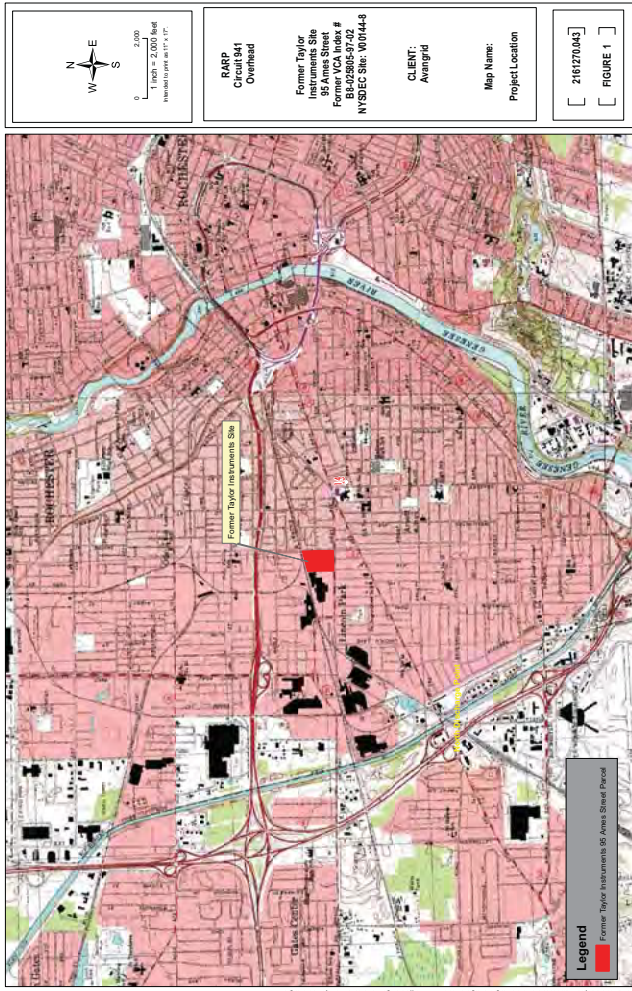
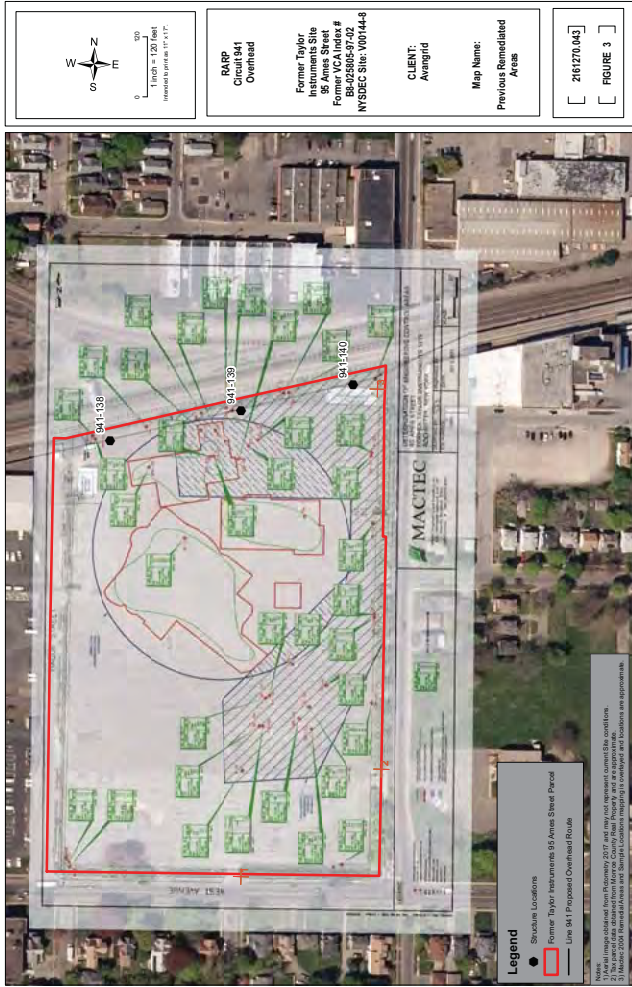
Excavation Work Plan Site # R2028a

- Dust suppression will be achieved through the use of a dedicated on-site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.
- Clearing and grubbing of larger sites will be done in stages to limit the area of exposed, un-vegetated soils vulnerable to dust production.
- Gravel will be used on roadways to provide a clean and dust-free road surface.
- On-site roads will be limited in total area to minimize the area required for water truck sprinkling.

Excavation Work Plan Site # R2028a

FIGURES

Excavation Work Plan Site # 82928a



Site Health and Safety Plan

Location:

Former Taylor Instruments Facility
95 Ames Street
Rochester, New York

Prepared by:

LaBella Associates DPC
300 State Street
Suite 201
Rochester, New York 14614

LaBella Project No. 2161270.044

March 2019

Excavation Work Plan Site # V00144-8

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Tables

Table 1	Exposure Limits and Recognition Qualities
---------	---

SITE HEALTH AND SAFETY PLAN

Project Title:	Former Taylor Instruments Facility
Project Number:	2161270.044
Project Location (Site):	95 Ames St, Rochester NY
Environmental Director:	Gregory Senecal
Project Manager:	Seth Davis
Site Safety Supervisor:	To Be Determined
Site Contact:	To Be Determined
Safety Director:	David Engert
Proposed Date(s) of Field Activities:	To Be Determined
Site Conditions:	Area of construction is vacant, Portion of Site adjacent to proposed work is covered with asphalt cap.
Site Environmental Information Provided By:	☐ Site Management Plan by Mactec 2005 ☐ Operations, Maintenance and Monitoring Manual by Mactec 2011. ☐ 2017 Annual Progress Report Amec Foster Wheeler, March 2018 ☐ Periodic Review Report by Amec Foster Wheeler, March 2018
Air Monitoring Provided By:	LaBella
Site Control Provided By:	To Be Determined

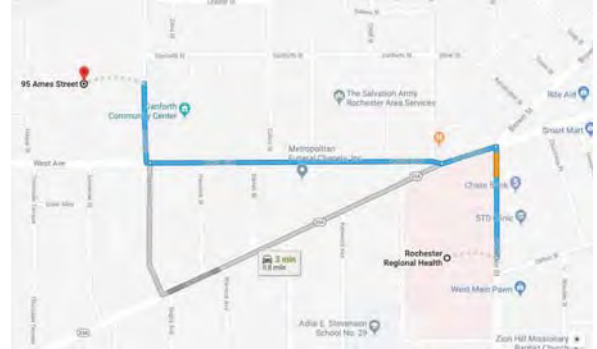
EMERGENCY CONTACTS

	Name	Phone Number
Ambulance:	As Per Emergency Service	911
Hospital Emergency:	Strong Memorial Hospital	585-275-2100
Poison Control Center:	Finger Lakes Poison Control	716-275-5151
Police (local, state):	Rochester Police Department	911
Fire Department:	Rochester Fire Department	911
Site Contact:	To Be Determined	To be Determined
Agency Contact:	NYSDEC – Frank Sowers NYSDOH – Julia Kenney	585-226-5357 518-402-8760
Environmental Director:	Gregory Senecal	585-295-6243
Project Manager:	Seth Davis	585-454-6110
Site Safety Supervisor:	To Be Determined	To Be Determined
Safety Director	David Engert	585-295-6630

MAP AND DIRECTIONS TO THE MEDICAL FACILITY ROCHESTER REGIONAL HEALTH 89 GENESEE STREET, ROCHESTER NY

Travel time 2 minutes
Travel distance 0.6 miles

1. Head south on Ames Street towards West Ave
2. Turn left onto West Ave
3. Merge onto West Main Street heading east
4. Turn right onto Genesee Street
5. Arrive at Rochester Regional Health



1.0 Introduction

The purpose of this Health and Safety Plan (HASP) is to provide guidelines for responding to potential health and safety issues that may be encountered during environmental monitoring at the Former Taylor Instruments Facility Site located at 95 Ames Street, City of Rochester, Monroe County, New York (Site). This HASP only reflects the policies of LaBella Associates D.P.C. The requirements of this HASP are applicable to all approved LaBella personnel at the work site. This document's project specifications, and the Community Air Monitoring Plan (CAMP), are to be consulted for guidance in preventing and quickly abating any threat to human safety or the environment. The provisions of the HASP do not replace or supersede any regulatory requirements of the USEPA, NYSDEC, OSHA or other regulatory bodies.

2.0 Responsibilities

This HASP presents guidelines to minimize the risk of injury to project personnel, and to provide rapid response in the event of injury. The HASP is applicable only to activities of approved LaBella personnel and their authorized visitors. The Project Manager shall implement the provisions of this HASP for the duration of the project. It is the responsibility of LaBella employees to follow the requirements of this HASP, and all applicable company safety procedures.

3.0 Activities Covered

The activities covered under this HASP are limited to the following:

- Management of environmental investigation
- Environmental Monitoring
- Collection of samples
- Management of excavated soil and fill

4.0 Work Area Access and Site Control

The contractor(s) will have primary responsibility for work area access and site control.

5.0 Potential Health and Safety Hazards

This section lists some potential health and safety hazards that project personnel may encounter at the project site and some actions to be implemented by approved personnel to control and reduce the associated risk to health and safety. This is not intended to be a complete listing of any and all potential health and safety hazards. New or different hazards may be encountered as site environmental and site work conditions change. The suggested actions to be taken under this plan are not to be substituted for good judgment on the part of project personnel. At all times, the Site Safety Officer has responsibility for site safety and his instructions must be followed.

5.1 Hazards Due to Heavy Machinery

Potential Hazard:

Heavy machinery including trucks, drilling rigs, cranes, trailers, etc. will be in operation at the site. The presence of such equipment presents the danger of being struck or crushed. Use caution when working near heavy machinery.

Protective Action:

Make sure that operators are aware of your activities, and heed operator's instructions and warnings. Wear bright colored clothing and walk safe distances from heavy equipment. A hard hat, safety glasses and steel toe shoes are required.

5.2 Excavation Hazards

Potential Hazard:

Excavations and trenches can collapse, causing injury or death. Edges of excavations can be unstable and collapse. Toxic and asphyxiant gases can accumulate in confined spaces and trenches. Excavations that require working within the excavation will require air monitoring in the breathing zone (refer to Section 9.0).

Excavations left open create a fall hazard which can cause injury or death.

Protective Action:

Personnel must receive approval from the Project Manager to enter an excavation for any reason. Subsequently, approved personnel are to receive authorization for entry from the Site Safety Officer. Approved personnel are not to enter excavations over 4 feet in depth unless excavations are adequately sloped. Additional personal protective equipment may be required based on the air monitoring.

Personnel should exercise caution near all excavations at the site as it is expected that excavation sidewalls will be unstable. Do not proceed closer than 3 feet to an unsupported or non-sloped excavation side wall.

Fencing and/or barriers accompanied by "no trespassing" signs should be placed around all excavations when left open for any period of time when work is not being conducted.

5.3 Cuts, Punctures and Other Injuries

Potential Hazard:

In any excavation and construction work site there is the potential for the presence of sharp or jagged edges on rock, metal materials, and other sharp objects. Serious cuts and punctures can result in loss of blood and infection.

Protective Action:

The Project Manager is responsible for making First Aid supplies available at the work site to treat minor injuries. The Site Safety Officer is responsible for arranging the transportation of authorized on-site personnel to medical facilities when First Aid treatment is not sufficient. Do not move seriously injured workers. All injuries requiring treatment are to be reported to the Project Manager. Serious injuries are to be reported immediately to the Site Safety Officer

	OSHA - 8 hr. Permissible Exposure Limit (Time weighted average, 8 hour; NIOSH Guide, June 1990)	OSHA - PEL: Skin Absorption	OSHA - PEL: Inhalation	OSHA - PEL: Inhalation and Skin Absorption	NIOSH - 8 hr. Time weighted average from Threshold Limit Values and Recommended Exposure Indices for 2003.
a) ACGIH - 8 hour time weighted average from Threshold Limit Values and Recommended Exposure Indices for 2003.					
b) ACGIH - 10 min. Ceiling Limit (NIOSH - 10 min. Ceiling Limit)					
c) ACGIH - 15 min. Ceiling Limit (NIOSH - 15 min. Ceiling Limit)					
d) ACGIH - Upper Exposure Limit (NIOSH - Upper Exposure Limit (9))					
e) ACGIH - Immediately Dangerous to Life or Health Level (NIOSH Guide, June 1990).					
f) ACGIH - Immediately Dangerous to Life or Health Level (NIOSH Guide, June 1990).					

Notes:

- 1) All values are given in parts per million (PPM), unless otherwise indicated.
- 2) All values are given in parts per million (PPM), unless otherwise indicated.

APPENDIX 2 – COMMUNITY AIR MONITORING PLAN

APPENDIX 1A

New York State Department of Health Generic Community Air Monitoring Plan

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for volatile organic compounds (VOCs) and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate NYSDEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well bailing/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

All 15-minute readings must be recorded and be available for State (DEC and DOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m³) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m³ above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m³ above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m³ of the upwind level and in preventing visible dust migration.

All readings must be recorded and be available for State (DEC and DOH) personnel to review.

APPENDIX 3 – CHANGE OF USE FORM



**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**
Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Former Taylor Instruments Site **DEC Site ID No.** V00144-8

II. Contact Information of Person Submitting Notification:

Name: LaBella Associates
Address1: 300 State Street, Rochester NY Suite 201
Address2:
Phone: 585-454-6110 E-mail: jlanz@labellapc.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- ☐ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☒ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 10/1/2019

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

RG&E proposes to install three (3) overhead utility structures at the Site as part of the Circuit 941 Overhead transmission line project. Structures are denoted Structure 941-138, Structure 941-139 and Structure 941-140 at the Site. Attached Figure 1 shows the location and specs of the Structures proposed to be installed at the 95 Ames Street property.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

The proposed structures will not affect the sites ongoing remedial program, engineering controls or monitoring program. All work conducted will be conducted under the MACTEG Site SMP and will abide by all Institutional Controls for the Site.

V. Certification Statement: Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____ (Signature) _____ (Date)

(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VI. Contact Information for New Owner, Remedial Party, or CoC Holder: If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Certifying Party Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

- the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
- the name and contact information for any owner representative; and
- a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name: _____ (Signature) _____ (Date)

(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Continuation Sheet

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

**Instructions for Completing the 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion (CoC), and/or Ownership Form**

Submit to: Chief, Site Control Section, New York State Department of Environmental Conservation, Division of Environmental Remediation, 625 Broadway, Albany NY 12233-7020

Section I Site Name	Description Official DEC site name. (see http://www.dec.ny.gov/cfm/external/index.cfm?pageid=3)
DEC Site ID No.	DEC site identification number.
Section II Name	Contact Information of Person Submitting Notification Name of person submitting notification of site change of use, transfer of certificate of completion and/or ownership form.
Address1	Street address or P.O. box number of the person submitting notification.
Address2	City, state and zip code of the person submitting notification.
Phone	Phone number of the person submitting notification.
E-mail	E-mail address of the person submitting notification.
Section III Check Boxes	Type of Change and Date Check the appropriate box(es) for the type(s) of change about which you are notifying the Department. Check all that apply.
Proposed Date of Change	Date on which the change in ownership or remedial party, transfer of CoC, or other change is expected to occur.
Section IV Description	Description For each change checked in Section III, describe the proposed change. Provide all applicable maps, drawings, and/or parcel information. If "Other" is checked in Section III, explain how the change may affect the site's proposed, ongoing, or completed remedial program at the site. Please attach additional sheets, if needed.

Section V Certification Statement

This section must be filled out if the change of use results in a change of ownership or responsibility for the proposed, ongoing, or completed remedial program for the site. When completed, it provides DEC with a certification that the prospective purchaser has been provided a copy of any order, agreement, or State assistance contract as well as a copy of all approved remedial work plans and reports.

Name	The owner of the site property or their designated representative must sign and date the certification statement. Print owner or designated representative's name on the line provided below the signature.
Address1	Owner or designated representative's street address or P.O. Box number.
Address2	Owner or designated representative's city, state and zip code.
Phone	Owner or designated representative's phone number.
E-Mail	Owner or designated representative's E-mail.

Section VI Contact Information for New Owner, Remedial Party, and CoC Holder (if a CoC was issued)

Fill out this section only if the site is to be sold or there will be a new remedial party. Check the appropriate box to indicate whether the information being provided is for a Prospective Owner, CoC Holder (if site was ever issued a CoC), Prospective Remedial Party, or Prospective Owner Representative. Identify the prospective owner or party and include contact information. A Continuation Sheet is provided at the end of this form for additional owner/party information.

Name	Name of Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
Address1	Street address or P.O. Box number for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Address2	City, state and zip code for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Phone	Phone number for the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
E-Mail	E-mail address of the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.

If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/EC), indicate who will be the certifying party(ies). Attach additional sheets, if needed.

Certifying Party Name	Name of Certifying Party.
Address1	Certifying Party's street address or P.O. Box number.
Address2	Certifying Party's city, state and zip code.
Phone	Certifying Party's Phone number.
E-Mail	Certifying Party's E-mail address.

Section VII Agreement to Notify DEC After Property Transfer/Sale

This section must be filled out for all property transfers of all or part of the site. If the site also has a CoC, then the CoC shall be transferred using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>

Filling out and signing this section of the form indicates you will comply with the post transfer notifications within the required timeframes specified on the form. If a CoC has been issued for the site, the DEC will allow 30 days for the post transfer notification so that the "Notice of CoC Transfer Form" and proof of it's filing can be included. Normally the required post transfer notification must be submitted within 15 day (per 375-1.11(d)(3)(ii)) when no CoC is involved.

Name	Current property owner must sign and date the form on the designated lines. Print owner's name on the line provided.
Address1	Current owner's street address.
Address2	Current owner's city, state and zip code.

APPENDIX 4 – CONCRETE WASHOUT DETAIL

APPENDIX D

Monroe County Pure Waters Discharge Permit

SPECIALTY SHORT TERM DISCHARGE PERMIT

CK 133215

105 : 11/7/2020

County of Monroe Pure Waters District No. 8575 ST- Permit No: 376
Expires: 5/12/2020
Fee: \$125.00

FirmName LaBella Associates
Address 300 State Street #201
Rochester, NY 14614

Type of Business or Service Former Taylor Instruments - Manufacturing Facility

I. The above-named applicant is permitted to discharge wastes into the Monroe County Pure Waters Sewer system or Tributary thereto as applied for by an application dated 11/14/19 and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

- A. See enclosure
B. _____
C. _____

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.
2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers as listed in the application. The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in the application or (2) new wastes that were not listed in the application.
3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.
4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.
5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.
6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print) John Lanz

Applicant's Signature [Signature] Date 11/14/2019

Applicant's Title Environmental Geologist Phone 585-484-6110

Emergency Contact Dan Noll Phone 585-295-6611

Renewal Approved by: [Signature] Issued this 12 day of Nov 20 19.
Michael J. Garland, P.E.
Director of Environmental Services-Pure Waters
Monroe County

COUNTY OF MONROE SEWER USE PERMIT ENCLOSURE

LaBella Associates D.P.C.
300 state Street Suite 201
Rochester, NY 14614

PERMIT NUMBER: ST-376
DISTRICT NUMBER: 8575

SITE LOCATION: 95 Ames Street, Rochester, NY
TYPE OF BUSINESS: Utility Installation
SAMPLE POINT: Frac Tank

REQUIRED MONITORING

SELF MONITORING FREQUENCY: Each Frac Tank Discharge

SAMPLING PROTOCOL: Sampling and analysis shall be performed in accordance with the techniques prescribed in 40 CFR Part 136 and amendments thereto. In the absence of 40 CFR Part 136 testing methodology, a New York State Department of Health approved method is acceptable. A representative grab sample of treated water shall be analyzed for the following:

Analyte	Limit	
Antimony	1.00	mg/L
Arsenic	0.50	mg/L
Beryllium	5.00	mg/L
Cadmium	1.00	mg/L
Chromium	3.00	mg/L
Copper	3.00	mg/L
Lead	1.00	mg/L
Nickel	3.00	mg/L
Selenium	2.00	mg/L
Silver	2.00	mg/L
Thallium	1.00	mg/L
Zinc	5.00	mg/L
Mercury	0.05	mg/L
Volatile Organic Compounds	*	
Semi-Volatile Organic Compounds	*	
Pesticides	*	
PCBs	**	

* The summation of all analytes within this group with laboratory detections at or above 10 ug/l shall not exceed 2.13 mg/l.

** PCBs must be non-detect with a detection limit of 0.3 ug/L

SPECIAL CONDITIONS:

1. Sample results for each frac tank must be reviewed and approved by Monroe County prior to discharge.
2. Monroe County must approve the discharge location.
3. Discharge rate is not to exceed 10 gpm.
4. Treatment equipment must be maintained to ensure proper filtration of the wastewater.

DW: 11-8-2019



APPENDIX E

Contained in Determination

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 F: (518) 402-9024
www.dec.ny.gov

November 18, 2019

Mr. John Lanz
Environmental Geologist
LaBella Associates
300 State Street, Suite 201
Rochester, NY 14614

Re: Former Taylor Instruments Site
Rochester, New York
NYSDEC Site V00144

Dear Mr. Lanz:

The Department has reviewed the analytical data (Lab Sample ID: L1949200-01, L1949200-02, L1949200-03 and 195650-01) submitted with your November 18, 2019 request for a "contained-in" determination for the referenced project site.

Concentrations detected for individual VOCs were all significantly less than their current "contained-in" soil action levels, and Land Disposal Restriction concentrations. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for trichloroethene were below the soil "contained-in" action level and the Land Disposal Restriction concentration. Therefore, one (1) Roll-off, containing soil from the Line 941 Proposed Overhead Route, do not have to be managed as a hazardous waste and may be transported off-site to permitted 360 facility able to accept this material as non-hazardous waste.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,

Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: F. Sowers, DER Region 8



APPENDIX F

Soil Disposal Documentation

SILVAROLE TRUCKING INC.

85 Silvarole Drive
ROCHESTER, NEW YORK 14623
(585) 272-0741

CUSTOMER'S ORDER NO.		PHONE		DATE	
NAME		ADDRESS		DATE	
ELDMORE ELECTRIC		95 AMES ST.		12/17/2019	
ROCHESTER, NY					
SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MOSE. RETD.
Brown					
QTY.	DESCRIPTION	PRICE	AMOUNT		
	ADLOR BOX CONTAINMENT				
	SOIL TO HIGH ACRES LF				
	Profile # 121738 NY				
1	ADLOR Box # RTS129		15.86 TONS		
2	ADLOR Box # RT 3061		20.69 TONS		
3	ADLOR Box # RT 2300		5.83 TONS		
RECEIVED BY		TAX			
		TOTAL			

All claims and returned goods MUST be accompanied by this bill.

31267

Thank You



Waste Management High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

RT5129

Original
Ticket# 1325405

Customer Name ROCHESTERGASELECTRICSTRAP- Carrier SIL SILVAROLE TRUCKING, INC.
Ticket Date 12/17/2019 Vehicle# a17 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0007825
State Waste Code Gen EPA ID
Manifest NA Grid CELL 12A
Destination
PO 11 4504672108 2) 4504672108 3) 4504672108 4) 4504672108
Profile 121738NY (SOIL)
Generator 190-RGERARP ROCHESTER GAS & ELECTRIC RARP

In 12/17/2019 08:12 A Scale 1 SD #604682 Inbound Gross 49600 lb
Out 12/17/2019 09:23 B Scale 2 SD #604682 Tare 37880 lb
Net 31720 lb
Tons 15.86

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons 100		15.86	Tons				MON
2 EVF-P-Standard Env 100							MON
3 RCR-P-Regulatory C 100							MON
4 LPS4-LANDFILL FINE 100							MON

Total Fees
Total Ticket

Driver's
Signature

Brian N

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517 RT5129

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 3	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator's Name and Mailing Address ROCHESTERGASELECTRICSTRAP- Attn: Iris Jimenez Cervante 83 East Ave, Rochester, NY 14604 Rochester, NY 14611				
6. Generator's Phone: (585) 724-3276				
7. Transporter 1 Company Name SILVAROLE TRUCKING				
8. Designated Facility Name and Site Address High Acres Landfill 425 Perinton Parkway, Fairport, NY 14450				
9. Facility's Phone: (585) 512-2465				
10. Waste Shipping Name and Description Non DOT Regulated Material				
11. Containers No. Type 11. Total Quantity 12. Unit Wt./Vol.				
13. Special Handling Instructions and Additional Information Profile # 121738NY Weight is estimated				
14. GENERATOR/SOFTENER'S CERTIFICATION: I hereby declare that the contents of this assignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
15. International Shipments Import to U.S. Export from U.S. Port of entry/exit Date leaving U.S.				
16. Transporter Signature (for export only) Transporter 1 Printed/Typed Name Signature Month Day Year				
17. Discrepancy 17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection				
17b. Alternate Facility (for Generator) Facility's Phone Month Day Year				
17c. Signature of Alternate Facility (for Generator) Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17b. Printed/Typed Name Signature Month Day Year				

169-BLC-O 5 11977 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR

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Waste Management High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

RT3061

Original
Ticket# 1325434

Customer Name ROCHESTERGASELECTRICSTRAP- Carrier SIL SILVAROLE TRUCKING, INC.
Ticket Date 12/17/2019 Vehicle# a17 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0007825
State Waste Code Gen EPA ID
Manifest 3061 Grid CELL 12A
Destination
PO 11 4504672108 2) 4504672108 3) 4504672108 4) 4504672108
Profile 121738NY (SOIL)
Generator 190-RGERARP ROCHESTER GAS & ELECTRIC RARP

In 12/17/2019 11:08 A Scale 1 SD #604682 Inbound Gross 78080 lb
Out 12/17/2019 12:17 B Scale 2 JM #605504 Tare 36700 lb
Net 41380 lb
Tons 20.69

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons 100		20.69	Tons				MON
2 EVF-P-Standard Env 100							MON
3 RCR-P-Regulatory C 100							MON
4 LPS4-LANDFILL FINE 100							MON

Total Fees
Total Ticket

Driver's
Signature

662

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RT 3061

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 3	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator's Name and Mailing Address ROCHESTERGASELECTRICSTRAP- Attn: Iris Jimenez Cervante 83 East Ave, Rochester, NY 14604 Rochester, NY 14611				
6. Generator's Phone: (585) 724-3276				
7. Transporter 1 Company Name SILVAROLE TRUCKING				
8. Designated Facility Name and Site Address High Acres Landfill 425 Perinton Parkway, Fairport, NY 14450				
9. Facility's Phone: (585) 512-2465				
10. Waste Shipping Name and Description Non DOT Regulated Material				
11. Containers No. Type 11. Total Quantity 12. Unit Wt./Vol.				
13. Special Handling Instructions and Additional Information Profile # 121738NY Weight is estimated				
14. GENERATOR/SOFTENER'S CERTIFICATION: I hereby declare that the contents of this assignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
15. International Shipments Import to U.S. Export from U.S. Port of entry/exit Date leaving U.S.				
16. Transporter Signature (for export only) Transporter 1 Printed/Typed Name Signature Month Day Year				
17. Discrepancy 17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection				
17b. Alternate Facility (for Generator) Facility's Phone Month Day Year				
17c. Signature of Alternate Facility (for Generator) Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17b. Printed/Typed Name Signature Month Day Year				

169-BLC-O 5 11977 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR

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Waste Management High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

RT 2300

Original
Ticket# 1325470

Customer Name ROCHESTERGASELECTRICEASTRARP- Carrier SIL SILVAROLE TRUCKING, INC.
Ticket Date 12/17/2019 Vehicle# s17 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0007825
State Waste Code Gen EPA ID
Manifest 2300 Grid CELL 12A
Destination PO
Profile 1) 4504672108 2) 4504672108 3) 4504672108 4) 4504672108
Generator 190-RGERARP ROCHESTER GAS & ELECTRIC RARP

Time Scale Operator Inbound Gross
In 12/17/2019 13:58 A Scale 1 SD #604682 Tare 48380 lb
Out 12/17/2019 14:52 P Scale 2 SD #604682 Net 26720 lb
Comments Tons 11660 lb
S.83

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons 100		5.83	Tons				MON
2 EVF-P-Standard Env 100							MON
3 RCR-P-Regulatory C 100							MON
4 LFS4-LANDFILL FIXE 100							MON

Total Fees
Total Ticket

Driver's
Signature

Bin

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RT 2300

1. Generator ID Number	2. Page 1 of 2	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator Name and Address ROCHESTERGASELECTRICEASTRARP 425 Perinton Pkwy Fairport, NY 14450 Ph: (585) 223-6132	6. Generator City and State Fairport, NY 14450	7. Generator Phone (585) 724-3276	8. Generator City and State Fairport, NY 14450
9. Generator Company Name SILVAROLE TRUCKING, INC.	10. Generator City and State Fairport, NY 14450	11. Generator City and State Fairport, NY 14450	12. Generator City and State Fairport, NY 14450
13. Designated Facility Name and Site Address High Acres Landfill 425 Perinton Parkway, Fairport, NY 14450 Facility's Phone: (585) 512-2465	14. Designated Facility City and State Fairport, NY 14450	15. Designated Facility City and State Fairport, NY 14450	16. Designated Facility City and State Fairport, NY 14450
17. Waste Shipping Name and Description Non DOT Regulated Material	18. Waste Quantity 1	19. Waste Type DT	20. Waste Date 21
21. Special Handling Instructions and Additional Information Profile # 121738NY Weight is estimated	22. Generator's Signature Mike Hanley	23. Generator's Date 12/17/19	24. Generator's City and State Fairport, NY 14450
25. Generator's Signature Mike Hanley	26. Generator's Date 12/17/19	27. Generator's City and State Fairport, NY 14450	28. Generator's City and State Fairport, NY 14450
29. Generator's Signature Mike Hanley	30. Generator's Date 12/17/19	31. Generator's City and State Fairport, NY 14450	32. Generator's City and State Fairport, NY 14450
33. Generator's Signature Mike Hanley	34. Generator's Date 12/17/19	35. Generator's City and State Fairport, NY 14450	36. Generator's City and State Fairport, NY 14450
37. Generator's Signature Mike Hanley	38. Generator's Date 12/17/19	39. Generator's City and State Fairport, NY 14450	40. Generator's City and State Fairport, NY 14450
41. Generator's Signature Mike Hanley	42. Generator's Date 12/17/19	43. Generator's City and State Fairport, NY 14450	44. Generator's City and State Fairport, NY 14450
45. Generator's Signature Mike Hanley	46. Generator's Date 12/17/19	47. Generator's City and State Fairport, NY 14450	48. Generator's City and State Fairport, NY 14450
49. Generator's Signature Mike Hanley	50. Generator's Date 12/17/19	51. Generator's City and State Fairport, NY 14450	52. Generator's City and State Fairport, NY 14450
53. Generator's Signature Mike Hanley	54. Generator's Date 12/17/19	55. Generator's City and State Fairport, NY 14450	56. Generator's City and State Fairport, NY 14450
57. Generator's Signature Mike Hanley	58. Generator's Date 12/17/19	59. Generator's City and State Fairport, NY 14450	60. Generator's City and State Fairport, NY 14450
61. Generator's Signature Mike Hanley	62. Generator's Date 12/17/19	63. Generator's City and State Fairport, NY 14450	64. Generator's City and State Fairport, NY 14450
65. Generator's Signature Mike Hanley	66. Generator's Date 12/17/19	67. Generator's City and State Fairport, NY 14450	68. Generator's City and State Fairport, NY 14450
69. Generator's Signature Mike Hanley	70. Generator's Date 12/17/19	71. Generator's City and State Fairport, NY 14450	72. Generator's City and State Fairport, NY 14450
73. Generator's Signature Mike Hanley	74. Generator's Date 12/17/19	75. Generator's City and State Fairport, NY 14450	76. Generator's City and State Fairport, NY 14450
77. Generator's Signature Mike Hanley	78. Generator's Date 12/17/19	79. Generator's City and State Fairport, NY 14450	80. Generator's City and State Fairport, NY 14450
81. Generator's Signature Mike Hanley	82. Generator's Date 12/17/19	83. Generator's City and State Fairport, NY 14450	84. Generator's City and State Fairport, NY 14450
85. Generator's Signature Mike Hanley	86. Generator's Date 12/17/19	87. Generator's City and State Fairport, NY 14450	88. Generator's City and State Fairport, NY 14450
89. Generator's Signature Mike Hanley	90. Generator's Date 12/17/19	91. Generator's City and State Fairport, NY 14450	92. Generator's City and State Fairport, NY 14450
93. Generator's Signature Mike Hanley	94. Generator's Date 12/17/19	95. Generator's City and State Fairport, NY 14450	96. Generator's City and State Fairport, NY 14450
97. Generator's Signature Mike Hanley	98. Generator's Date 12/17/19	99. Generator's City and State Fairport, NY 14450	100. Generator's City and State Fairport, NY 14450

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Thank You

ITEM NO.	DESCRIPTION	QTY	PRICE	AMOUNT
1	CONTAMINATED SOIL TO HIGH ACRES LF	15.16		
2	ADLER BOY RT 2851	15.16		
3	ADLER BOY RT 3077	15.16		
4	ADLER BOY RT 3077	15.16		
5	ADLER BOY RT 3077	15.16		
6	ADLER BOY RT 3077	15.16		
7	ADLER BOY RT 3077	15.16		
8	ADLER BOY RT 3077	15.16		
9	ADLER BOY RT 3077	15.16		
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96	ADLER BOY RT 3077	15.16		
97	ADLER BOY RT 3077	15.16		
98	ADLER BOY RT 3077	15.16		
99	ADLER BOY RT 3077	15.16		
100	ADLER BOY RT 3077	15.16		

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Waste Management High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Original
Ticket# 1325214

Customer Name ROCHESTERGASELECTRICEASTRARP- Carrier SIL SILVAROLE TRUCKING, INC.
Ticket Date 12/16/2019 Vehicle# s17 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0007825
State Waste Code Gen EPA ID
Manifest NA Grid CELL 12A
Destination PO
Profile 1) 4504672108 2) 4504672108 3) 4504672108 4) 4504672108
Generator 190-RGERARP ROCHESTER GAS & ELECTRIC RARP

Time Scale Operator Inbound Gross
In 12/16/2019 08:34 A Scale 1 SD #604682 Tare 67660 lb
Out 12/16/2019 10:02 B Scale 2 SD #604682 Net 37340 lb
Comments Tons 30320 lb
S.16

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons 100		15.16	Tons				MON
2 EVF-P-Standard Env 100							MON
3 RCR-P-Regulatory C 100							MON
4 LFS4-LANDFILL FIXE 100							MON

Total Fees
Total Ticket

Driver's
Signature

Bin

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RT2851 817

NONHAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number
ROCHESTER TAYLOR INSTRUMENTS 89 East Ave, Rochester, NY 14604 (585) 724-3276		Attn: Iris Jimenez Cervante	Generator's Site Address (if different than mailing address) 85 James St. Rochester, NY 14611		
Generator's Name SILVAROLE TRUCKING		U.S. EPA ID Number 8A-190		U.S. EPA ID Number	
Designated Facility Name and Site Address High Acres Landfill 425 Perinton Parkway, Fairport, NY 14450 Facility's Phone: (585) 512-2465		U.S. EPA ID Number			
8. Waste Shipping Name and Description		10. Containers	11. Total Quantity	12. URM	13. URM
Non DOT Regulated Material		1 DT	21	T	
13. Special Handling Instructions and Additional Information					
Profile # 121738NY Weight is estimated					
14. GENERATOR/SUPPLIER'S CERTIFICATION: I hereby declare that the contents of this assignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/identified, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
15. International Shipments		16. Date of Shipment			
Mike Henley		12/16/19			
17. Transporter Signature (for receipt only)		18. Transporter Acknowledgment of Receipt of Materials			
Bryan Numan		12/16/19			
19. Discrepancy		20. Discrepancy Indication Space			
Quantity		Type			
17a. Alternate Facility (or Generator)		17b. Signature of Alternate Facility (or Generator)			
Facility's Phone:		Month Day Year			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17b		19. Date of Receipt			
Duty		12/16/19			

109-BLC-O 5 11977 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR

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Original Ticket# 1325273

Waste Management High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Customer Name ROCHESTERGASELECTRICEASTRAMP- Carrier SIL SILVAROLE TRUCKING, INC.
Ticket Date 12/16/2019 Vehicle# s17
Payment Type Credit Account Container#
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0007825
Scale Waste Code Gen EPA ID
Manifest NA Grid CELL 12A
Destination
PO 11 4504672108 2) 4504672108 3) 4504672108 4) 4504672108
Profile 121738NY (8015 1)
Generator 190-RGERARP ROCHESTER GAS & ELECTRIC RARP

Time Scale Operator Inbound Gross 79220 lb
In 12/16/2019 10:22 A_Scale_1 SD #604682 Tare 37720 lb
Out 12/16/2019 13:08 B_Scale_2 SD #604682 Net 41500 lb
Comments Tons 20.75

Product	LDN	Qty	UCM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons 100		20.75 Tons					MON
2 EVF-P-Standard Env 100							MON
3 RCG-P-Regulatory C 100							MON
4 LFS4-LANDFILL FINE 100							MON

Total Fees
Total Ticket

Driver's Signature *Bank*

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RT3077

NONHAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number
ROCHESTER TAYLOR INSTRUMENTS 89 East Ave, Rochester, NY 14604 (585) 724-3276		Attn: Iris Jimenez Cervante	Generator's Site Address (if different than mailing address) 85 James St. Rochester, NY 14611		
Generator's Name SILVAROLE TRUCKING		U.S. EPA ID Number 8A-190		U.S. EPA ID Number	
Designated Facility Name and Site Address High Acres Landfill 425 Perinton Parkway, Fairport, NY 14450 Facility's Phone: (585) 512-2465		U.S. EPA ID Number			
8. Waste Shipping Name and Description		10. Containers	11. Total Quantity	12. URM	13. URM
Non DOT Regulated Material		1 DT	21	T	
13. Special Handling Instructions and Additional Information					
Profile # 121738NY Weight is estimated					
14. GENERATOR/SUPPLIER'S CERTIFICATION: I hereby declare that the contents of this assignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/identified, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.		15. Date of Shipment			
Mike Henley		12/16/19			
17. Transporter Signature (for receipt only)		18. Transporter Acknowledgment of Receipt of Materials			
Bryan Numan		12/16/19			
19. Discrepancy		20. Discrepancy Indication Space			
Quantity		Type			
17a. Alternate Facility (or Generator)		17b. Signature of Alternate Facility (or Generator)			
Facility's Phone:		Month Day Year			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17b		19. Date of Receipt			
Duty		12/16/19			

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SILVAROLE TRUCKING INC.
85 Silvarole Drive
ROCHESTER, NEW YORK 14623
(585) 272-0741

CUSTOMER'S ORDER NO.		PHONE		DATE	
				12-18-19	
NAME R.G.E.		ADDRESS West Ave Rochester			
SOLD BY CHRIS		CASH	C.O.D.	CHARGE	ON ACCOUNT
QTY		DESCRIPTION		PRICE	IN AMOUNT OUT
1	Final 2010			\$1396	7:10 7:40
1	Final 2010			\$13099	10:47 11:00
RECEIVED BY				TAX	TOTAL

All claims and returned goods MUST be accompanied by this bill.

34306

Thank You

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Waste Management High Acres LP
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Original
Ticket# 1325005

Customer Name ROCHESTERGASELECTRICEASTRARP- Carrier SIL SILVAROLE TRUCKING, INC.
Ticket Date 12/13/2019 Vehicle# S15 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0007825
State Waste Code Gen EPA ID
Manifest NA Grid CELL 12A
Destination
PO 1) 4504672108 2) 4504672108 3) 4504672108 4) 4504672108
Profile 121738NY (SOIL)
Generator 190-RGERARP ROCHESTER GAS & ELECTRIC RARP

Time Scale Operator Inbound Gross 73860 lb
In 12/13/2019 13:03 A_Scale_1 SD #604682 Tare 38080 lb
Out 12/13/2019 13:51 B_Scale_2 SD #604682 Net 35780 lb
Tons 17.89

Product	LD#	Qty	UCM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons 100		17.89	Tons				MON
2 EVF-P-Standard Env 100							MON
3 RCR-P-Regulatory C 100							MON
4 LFS4-LANDFILL FIXE 100							MON

Total Fees
Total Ticket

Driver's
Signature

012-544

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RT 3099 815

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator's Name and Mailing Address RGE-E-RARP Taylor Instruments 29 East Ave, Rochester, NY 14604 Generator's Phone: (585) 724-3276	6. Generator's Site Address (if different than mailing address) 95 Ames St. Rochester, NY 14611		7. Generator's EPA ID Number	
8. Transporter 1 Company Name	9. Transporter 2 Company Name		10. Designated Facility Name and Site Address High Acres Landfill 425 Perinton Parkway, Fairport, NY 14450 Facility's Phone: (585) 512-2465	
11. Waste Shipping Name and Description Non DOT Regulated Material		12. Containers No. Type	13. Total Quantity	14. Unit Wt./Vol.
1		DT	21	T
15. Special Handling Instructions and Additional Information Profile # 121738NY Weight is estimated				
16. GENERATOR/SIGNER'S CERTIFICATION: I hereby declare that the contents of this assignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/manifested, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
Generator's Signature (Printed Name) Mike Henley		Signature Mike Henley		Month Day Year 12/13/19
17. International Shipment ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: Date leaving U.S.		
18. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed Name CHRIS MARCUSE		Signature Chris Marcuse		Month Day Year 12/13/19
Transporter 2 Printed Name		Signature		Month Day Year
19. Discrepancy 17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Manifest Reference Number U.S. EPA ID Number				
17b. Alternate Facility (or Generator) Facility's Phone 17c. Signature of Alternate Facility (or Generator) Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17c Printed Name Signature Month Day Year				

169-BLC-O 5 11977 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR

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Waste Management High Acres LP
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Original
Ticket# 1324836

Customer Name ROCHESTERGASELECTRICEASTRARP- Carrier SIL SILVAROLE TRUCKING, INC.
Ticket Date 12/13/2019 Vehicle# S15 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0007825
State Waste Code Gen EPA ID
Manifest NA Grid CELL 12A
Destination
PO 1) 4504672108 2) 4504672108 3) 4504672108 4) 4504672108 5)
Profile 121738NY (SOIL)
Generator 190-RGERARP ROCHESTER GAS & ELECTRIC RARP

Time Scale Operator Inbound Gross 65860 lb
In 12/13/2019 08:36 A_Scale_1 SD #604682 Tare 37060 lb
Out 12/13/2019 09:35 B_Scale_2 SD #604682 Net 28800 lb
Tons 14.40

Product	LD#	Qty	UCM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons 100		14.40	Tons				MON
2 EVF-P-Standard Env 100							MON
3 RCR-P-Regulatory C 100							MON
4 LFS4-LANDFILL FIXE 100							MON
5 HFL-LANDFILL FEE 100		1.00	Each				MON

Total Fees
Total Ticket

Driver's
Signature

012-544

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RT 3910

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator's Name and Mailing Address RGE-E-RARP Taylor Instruments 29 East Ave, Rochester, NY 14604 Generator's Phone: (585) 724-3276	6. Generator's Site Address (if different than mailing address) 95 Ames St. Rochester, NY 14611		7. Generator's EPA ID Number	
8. Transporter 1 Company Name	9. Transporter 2 Company Name		10. Designated Facility Name and Site Address High Acres Landfill 425 Perinton Parkway, Fairport, NY 14450 Facility's Phone: (585) 512-2465	
11. Waste Shipping Name and Description Non DOT Regulated Material		12. Containers No. Type	13. Total Quantity	14. Unit Wt./Vol.
1		DT	21	T
15. Special Handling Instructions and Additional Information Profile # 121738NY Weight is estimated				
16. GENERATOR/SIGNER'S CERTIFICATION: I hereby declare that the contents of this assignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/manifested, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
Generator's Signature (Printed Name) Mike Henley		Signature Mike Henley		Month Day Year 12/13/19
17. International Shipment ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: Date leaving U.S.		
18. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed Name CHRIS MARCUSE		Signature Chris Marcuse		Month Day Year 12/13/19
Transporter 2 Printed Name		Signature		Month Day Year
19. Discrepancy 17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Manifest Reference Number U.S. EPA ID Number				
17b. Alternate Facility (or Generator) Facility's Phone 17c. Signature of Alternate Facility (or Generator) Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17c Printed Name Signature Month Day Year				

169-BLC-O 5 11977 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR

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SILVAROLE TRUCKING INC.
85 Silvarole Drive
ROCHESTER, NEW YORK 14623
(585) 272-0741

CUSTOMER'S ORDER NO.		PHONE	DATE
			12/13/19
NAME ELONGE ELECTRIC			
ADDRESS 89 EAST AVE ROCHESTER, NY			
QTY	DESCRIPTION	PRICE	AMOUNT
1	ADLER Box RT 1794		18.32 TONS
2	ADLER Box RT 1832		10.82 TONS
PROFILE # 121738 NY			
PICKUP HIGHEST TO HIGH ACRES LF			
TAX			
TOTAL			

34264

Thank You



Waste Management High Acres LF
425 Perinton Pkwy
Fairport, NY 14450
Ph: (585) 223-6132

Original Ticket# 1325025

Customer Name	ROCHESTERGASELECTRICASTRAMP	Carrier	SIL SILVAROLE TRUCKING, INC.
Ticket Date	12/13/2019	Vehicle#	017
Payment Type	Credit Account	Container	Volume
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0007825
State Waste Code		Gen EPA ID	
Manifest	NA	Grid	CELL 12A
Destination			
Profile	1) 4504672108 2) 4504672108 3) 4504672108 4) 4504672108		
Generator	190-RGERARP ROCHESTER GAS & ELECTRIC RARP		

Product	LD#	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil ROG-Tons	100	18.32	Tons				MON
2 ZVF-P-Standard Env	100						MON
3 PCR-P-Regulatory C	100						MON
4 LFG-LANDFILL FTXE	100						MON

Total Ticket Total Fees

Driver's Signature _____

Brian

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NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 3	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator's Name and Mailing Address R&E-RAMP Taylor Instruments 89 East Ave, Rochester, NY 14604 (585) 724-3276		6. Generator's Phone		7. Generator's Site Address (if different than mailing address) 35 Ames St. Rochester, NY 14611	
8. Transporter 1 Company Name SILVAROLE TRUCKING		9. Transporter 2 Company Name		10. U.S. EPA ID Number 8A-19D	
11. Designated Facility Name and Site Address High Acres Landfill 425 Perinton Parkway, Fairport, NY 14450 (585) 512-2465		12. U.S. EPA ID Number		13. Special Handling Instructions and Additional Information Profile # 121738NY Weight is estimated	
14. Waste Shipping Name and Description Non DOT Regulated Material		15. Containers Qty Type	16. Total Quantity	17. U.S. EPA ID Number	18. U.S. EPA ID Number
		1	21	T	
19. Generator's Signature (Printed Name) Mike Healey		20. Signature Mike Healey		21. Date 12/13/19	
22. International Shipments ☐ Import to U.S. ☐ Export from U.S.		23. Port of origin (if different than U.S.)		24. Date leaving U.S.	
25. Transporter's Acknowledgment of Receipt of Manifest Signature Date 12/13/19		26. Signature Date 12/13/19		27. Signature Date 12/13/19	
28. Discrepancy 17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Pallets ☐ Partial Pallets ☐ Full Pallets		17b. Alternate Facility (if Generator) Facility's Name (17c. Signature of Alternate Facility (if Generator))		18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest receipt as noted in item 17a Printed Name Signature Date 12/13/19	



Waste Management High Acres LF
425 Perinton Pkwy
Fairport, NY 14450
Ph: (585) 223-6132

Original Ticket# 1325025

Customer Name	ROCHESTERGASELECTRICASTRAMP	Carrier	SIL SILVAROLE TRUCKING, INC.
Ticket Date	12/13/2019	Vehicle#	017
Payment Type	Credit Account	Container	Volume
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0007825
State Waste Code		Gen EPA ID	
Manifest	NA	Grid	CELL 12A
Destination			
Profile	1) 4504672108 2) 4504672108 3) 4504672108 4) 4504672108		
Generator	190-RGERARP ROCHESTER GAS & ELECTRIC RARP		

Product	LD#	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil ROG-Tons	100	10.82	Tons				MON
2 ZVF-P-Standard Env	100						MON
3 PCR-P-Regulatory C	100						MON
4 LFG-LANDFILL FTXE	100						MON

Total Ticket Total Fees

Driver's Signature _____

Brian

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Scanned with CamScanner

RT1832

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 3	3. Emergency Response Phone	4. Waste Tracking Number
1. Generator's Name and Mailing Address RG&E - RARP Taylor Instruments 85 East Ave, Rochester, NY 14604 Attn: Iris Jimenez Cervante (585) 724-3276		Generator's Site Address (if different than mailing address) 95 Ames St. Rochester, NY 14611			
6. Transporter 1 Company Name SILVAROLE TRUCKING, ROCHESTER, NY 14623		U.S. EPA ID Number 8A-190			
7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address High Acres Landfill 425 Perinton Parkway, Fairport, NY 14450 Facility's Phone: (585) 512-2465		U.S. EPA ID Number			
9. Waste Shipping Name and Description Non DOT Regulated Material		10. Containers No. Type	11. Total Quantity 21	12. Unit T	
13. Special Handling Instructions and Additional Information Profile # 121738NY Weight is estimated					
14. GENERATOR/SUPPLIER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/signed, and are in full compliance with applicable international and national governmental regulations.					
Generator's Officer's Printed/Typed Name Mike Henley		Signature Mike Henley		Month Day Year 12/13/19	
15. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit Date leaving U.S.			
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Dawn Nieuwen		Signature Dawn Nieuwen		Month Day Year 12/13/19	
Transporter 2 Printed/Typed Name		Signature			
17. Discrepancy 17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
17b. Alternate Facility (or Generator) Facility's Phone:		Manifest Reference Number U.S. EPA ID Number			
17c. Signature of Alternate Facility (or Generator)		Month Day Year			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a. Printed/Typed Name: Duffy Signature: S Month Day Year: 12/13/19					

189-BLC-G 5 11977 (Rev. 8/09) DESIGNATED FACILITY TO GENERATOR

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SILVAROLE TRUCKING INC.
 85 Silvarole Drive
 ROCHESTER, NEW YORK 14623
 (585) 272-0741

CUSTOMER'S ORDER NO.		PHONE	DATE
NAME		12/12/19	
ADDRESS			
95 AMES ST			
ROCHESTER, NY 14611			
QUANTITY	DESCRIPTION	PRICE	AMOUNT
2	ADLER BOX	E/NR	
	DIRT SPILLS TO HIGH ACRES LF		
1	TICKET # 1324760	R11798	16.5570
2	TICKET # 1324770	R14261	16.9870
RECEIVED BY		TAX	
		TOTAL	

All claims and returned goods MUST be accompanied by this bill.

34261

Thank You

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Waste Management High Acres LF
 425 Perinton Parkway
 Fairport, NY 14450
 Ph: (585) 223-6132

Original Ticket# 1324725

Customer Name ROCHESTERGASELECTRICSTRAP- Carrier SIL SILVAROLE TRUCKING, INC.
 Ticket Date 12/12/2019 Vehicle# n17 Volume
 Payment Type Credit Account Container
 Manual Ticket# Drivers
 Hauling Ticket# Check#
 Route Billing# 0007825
 State Waste Code Gen EPA ID
 Manifest Grid CELL 12A
 Destination
 PO 11 4504672108 21 4504672108 31 4504672108 41 4504672108
 Profile 121738NY (SDIL 1)
 Generator 190-RGEARP ROCHESTER GAS & ELECTRIC RARP

In 12/12/2019 12:19 A Scale 1 SD #604682
 Out 12/12/2019 13:11 B Scale 2 SD #604682

Comments

Product	LCN	Qty	UOM	Rate	Fee	Amount	Origin
1	CUMS 2011 RCD-Tonne 100	3.09	Tons				MON
2	CUMS-P-Standards Env 100						MON
3	ACR-P-Regulatory C 100						MON
4	LPS4-LANDFILL FINE 100						MON

Total Fees
 Total Ticket

Driver B
 Signature: B. N

Scanned with CamScanner

RT1798

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 3	3. Emergency Response Phone	4. Waste Tracking Number
1. Generator's Name and Mailing Address RG&E - RARP Taylor Instruments 85 East Ave, Rochester, NY 14604 Attn: Iris Jimenez Cervante (585) 724-3276		Generator's Site Address (if different than mailing address) 95 Ames St. Rochester, NY 14611			
6. Transporter 1 Company Name SILVAROLE TRUCKING, ROCHESTER, NY 14623		U.S. EPA ID Number 8A-190			
7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address High Acres Landfill 425 Perinton Parkway, Fairport, NY 14450 Facility's Phone: (585) 512-2465		U.S. EPA ID Number			
9. Waste Shipping Name and Description Non DOT Regulated Material		10. Containers No. Type	11. Total Quantity 21	12. Unit T	
13. Special Handling Instructions and Additional Information Profile # 121738NY Weight is estimated					
14. GENERATOR/SUPPLIER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/signed, and are in full compliance with applicable international and national governmental regulations.		Generator's Officer's Printed/Typed Name Mike Henley		Signature Mike Henley	
15. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit Date leaving U.S.			
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Dawn Nieuwen		Signature Dawn Nieuwen		Month Day Year 12/12/19	
Transporter 2 Printed/Typed Name		Signature			
17. Discrepancy 17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
17b. Alternate Facility (or Generator) Facility's Phone:		Manifest Reference Number U.S. EPA ID Number			
17c. Signature of Alternate Facility (or Generator)		Month Day Year			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a. Printed/Typed Name: Duffy Signature: S Month Day Year: 12/12/19					

189-BLC-G 5 11977 (Rev. 8/09) DESIGNATED FACILITY TO GENERATOR

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RT 1798

WM Waste Management High Acres LF
425 Perinton Pkwy
Fairport, NY 14450
Ph: (585) 223-6132

Original Ticket# 1324760

Customer Name: ROCHESTERGASELECTRICSTRANS- Carrier: SIL SILVAROLE TRUCKING, INC.
Ticket Date: 12/12/2019 Vehicle# 817
Payment Type: Credit Account Container#
Manual Ticket# Driver#
Hauling Ticket# Check#
Route: Billing # 0007823
State Waste Code: Gen EPA ID
Manifest #860993 Grid: CELL 12A
Destination: 1) 4504672108 2) 4504672108 3) 4504672108 4) 4504672108 5)
PO: 121556NY (SOIL)
Profile: 190-RURAMP ROCHESTER GAS & ELECTRIC RAMP
Generator: 190-RURAMP ROCHESTER GAS & ELECTRIC RAMP

Time	Scale	Operator	Inbound	Gross	Tare	Net	Tons
In 12/12/2019 13:29 A_Scale_1	SD #604682			57840 lb	35020 lb	22820 lb	11.46
Out 12/12/2019 13:57 B_Scale_2	SD #604682						

Comments: HPL/ DIG OUT

Product	LD#	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons 100		11.46	Tons				NON
2 EVF-P-Standard Env 100							
3 RCB-P-Regulatory C 100							
4 LFS4-LANDFILL FIXE 100							
5 HPL-HANDLING FRE 100		1.00	Each				

Total Fees
Total Ticket

Driver's Signature: *Brian*

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RT 4261

WM Waste Management High Acres LF
425 Perinton Pkwy
Fairport, NY 14450
Ph: (585) 223-6132

Original Ticket# 1324770

Customer Name: ROCHESTERGASELECTRICSTRANS- Carrier: SIL SILVAROLE TRUCKING, INC.
Ticket Date: 12/12/2019 Vehicle# 817
Payment Type: Credit Account Container#
Manual Ticket# Driver#
Hauling Ticket# Check#
Route: Billing # 0007814
State Waste Code: Gen EPA ID
Manifest #860993 Grid: CELL 12A
Destination: 1) 4504672108 2) 4504672108 3) 4504672108 4) 4504672108
PO: 121556NY (SOIL)
Profile: 190-RURAMP ROCHESTER GAS & ELECTRIC RAMP
Generator: 190-RURAMP ROCHESTER GAS & ELECTRIC RAMP

Time	Scale	Operator	Inbound	Gross	Tare	Net	Tons
In 12/12/2019 14:10 A_Scale_1	SD #604682			49260 lb	35300 lb	13960 lb	16.98
Out 12/12/2019 15:18 B_Scale_2	SD #604682						

Comments:

Product	LD#	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons 100		16.98	Tons				NON
2 EVF-P-Standard Env 100							
3 RCB-P-Regulatory C 100							
4 LFS4-LANDFILL FIXE 100							

Total Fees
Total Ticket

Driver's Signature: *Brian*

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RT 4261

WM NON-HAZARDOUS MANIFEST

1. Generator's ID EPA ID No. Manifest Date No. 1

2. Page 1 of 1

3. Generator's Mailing Address:
RGE - BARRY TAYLOR INSTRUMENTS ATTN:
IRIS JIMENEZ CERVANTE
89 EAST AVE.
ROCHESTER, NY 14604
4. Generator's Phone: 585-724-3376

5. Generator's Site Address (if different from mailing):
95 AMES ST.
ROCHESTER, NY 14611

6. US EPA ID Number: 8860993

7. State Generator's ID: 190-RURAMP ROCHESTER GAS & ELECTRIC RAMP

8. US EPA ID Number: 8A170

9. State Generator's ID: N/A

10. US EPA ID Number: 1461101

11. State Facility ID: N/A

12. State Facility Phone: 585-223-6132

13. Description of Waste Materials:
a. NON DOT REGULATED MATERIAL
WM Profile # 121556NY (SOIL)
b. P-Box R-12
WM Profile #
c. Other Materials
WM Profile #
d. Other Materials
WM Profile #

14. Additional Designations for Materials Listed Above:
a. 121556NY - Soil
Weight is estimated

15. Special Handling Instructions and Additional Information:
a - 121556NY - Soil
Weight is estimated

16. Generator's Certificate:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.
Printed Name: Mike Knley
Signature: *Mike Knley*
Date: 12/12/19

17. Transporter 1 Acknowledgement/Receipt of Materials:
Printed Name: *Brian*
Signature: *Brian*
Date: 12/12/19

18. Transporter 2 Acknowledgement/Receipt of Materials:
Printed Name: *Brian*
Signature: *Brian*
Date: 12/12/19

19. Certificate of Final Treatment/Disposal:
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.
Printed Name: *Brian*
Signature: *Brian*
Date: 12/12/19

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.
Printed Name: *Brian*
Signature: *Brian*
Date: 12/12/19

White: TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink: FACILITY USE ONLY
Blue: GENERATOR #2 COPY
Gold: TRANSPORTER #1 COPY

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SILVAROLE TRUCKING INC.
85 Silvarole Drive
ROCHESTER, NEW YORK 14623
(585) 272-0741

CUSTOMER'S ORDER NO. PHONE DATE 10-21-19

NAME: Aldridge
ADDRESS: Hague St

1. SOLD BY: BBS
CITY: BBS
C.O.D.:
CHANGE:
ON ACCT.:
MOSE. RETD.:
PAID OUT: 344-R-12

2. DESCRIPTION: Deliver 1 2nd Adler Box # RT2300 With box liner from Grand Island Lot

PRICE: \$650
AMOUNT: \$45

TAX: 33250
TOTAL: 33250

As claims and returned goods MUST be accompanied by this bill.

Thank You

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SILVAROLE TRUCKING INC.
85 Silvarole Drive
ROCHESTER, NEW YORK 14623
(585) 272-0741

CUSTOMER'S ORDER NO.		PHONE		DATE	
				10/28/19	
NAME aIdridge Electric					
ADDRESS					
SOLD BY K.S.D.		CASH	C.O.D.	CHARGE	ON ACCT.
QTY.		PAID OUT		5123/R11	
DESCRIPTION		PRICE	AMOUNT		
2 adler Boxes Deliver to west ave with 2 liners from Grand Island					
Box # RT 4261					
RT 5129					
TAX					
TOTAL					

30637

Thank You

SILVAROLE TRUCKING INC.
85 Silvarole Drive
ROCHESTER, NEW YORK 14623
(585) 272-0741

CUSTOMER'S ORDER NO.		PHONE		DATE	
				10/10/2019	
NAME MIKE ELDRIDGE ELECTRIC					
ADDRESS HAGUE ST. ROCHESTER NY 14611					
SOLD BY B.S.D.	CASH	C.O.D.	CHARGE	ON ACCT.	PAID OUT
QTY.	PRICE		AMOUNT		
1	ADLER RT 3996 DEL		5-17		
1	ADLER RT 1798 DEL				
1	ADLER RT 2851 DEL				
1	ADLER RT 3061 DEL				
TAX					
TOTAL					

33151

Thank You

SILVAROLE TRUCKING INC.
85 Silvarole Drive
ROCHESTER, NEW YORK 14623
(585) 272-0741

CUSTOMER'S ORDER NO.		PHONE		DATE	
				10/14/2019	
NAME ELDRIDGE ELECTRIC					
ADDRESS HAGUE ST. ROCHESTER NY					
SOLD BY B.S.D.	CASH	C.O.D.	CHARGE	ON ACCT.	PAID OUT
QTY.	PRICE		AMOUNT		
1	ADLER RT 3077 DEL		5-17		
2	BOX LINERS				
TAX					
TOTAL					

33154

Thank You

SILVAROLE TRUCKING INC.
85 Silvarole Drive
ROCHESTER, NEW YORK 14623
(585) 272-0741

CUSTOMER'S ORDER NO.		PHONE		DATE	
				10-14-19	
NAME Eldridge Electric					
ADDRESS Hague St Rochester NY					
SOLD BY B.S.D.	CASH	C.O.D.	CHARGE	ON ACCT.	PAID OUT
QTY.	PRICE		AMOUNT		
1	Delivery 30' adler Box RT 1833		5-16		
3	Box Liners				
TAX					
TOTAL					

34441

Thank You

SILVAROLE TRUCKING INC.
85 Silvarole Drive
ROCHESTER, NEW YORK 14623
(585) 272-0741

CUSTOMER'S ORDER NO.		PHONE		DATE	
				10/14/19	
NAME ELDRIDGE ELECTRIC					
ADDRESS HAGUE ST. ROCHESTER, NY					
SOLD BY C.H.A.S.	CASH	C.O.D.	CHARGE	ON ACCT.	PAID OUT
QTY.	PRICE		AMOUNT		
1	ADLER RT 1794 DEL		5-15		
2	Box Liners				
TAX					
TOTAL					

33155

Thank You

SILVAROLE TRUCKING INC.
85 Silvarole Drive
ROCHESTER, NEW YORK 14623
(585) 272-0741

CUSTOMER'S ORDER NO.		PHONE		DATE	
				10-18-19	
NAME Eldridge					
ADDRESS Hague St Rochester					
SOLD BY B.S.D.	CASH	C.O.D.	CHARGE	ON ACCT.	PAID OUT
QTY.	PRICE		AMOUNT		
1	Delivery Adler Box RT 3099 from our yard to Hague St with box liner		5-16		
TAX					
TOTAL					

34448

Thank You

APPENDIX G

Lab Reports

Analytical Report For
LaBella Associates, P.C.

For Lab Project ID

195650

Referencing

Former Taylor Instruments - RARP - 2161270.043

Prepared

Friday, November 15, 2019

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

[Signature]

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, November 15, 2019

Page 1 of 8

Lab Project ID: 195650

Client: **LaBella Associates, P.C.**

Project Reference: Former Taylor Instruments - RARP - 2161270.043

Sample Identifier: 192-139 (111419)

Lab Sample ID: 195650-01

Date Sampled: 11/14/2019

Matrix: Soil

Date Received: 11/14/2019

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 8.91	ug/Kg		11/14/2019 21:58
1,1,2,2-Tetrachloroethane	< 8.91	ug/Kg		11/14/2019 21:58
1,1,2-Trichloroethane	< 8.91	ug/Kg		11/14/2019 21:58
1,1-Dichloroethane	< 8.91	ug/Kg		11/14/2019 21:58
1,1-Dichloroethene	< 8.91	ug/Kg		11/14/2019 21:58
1,2,3-Trichlorobenzene	< 22.3	ug/Kg		11/14/2019 21:58
1,2,4-Trichlorobenzene	< 22.3	ug/Kg		11/14/2019 21:58
1,2-Dibromo-3-Chloropropane	< 44.5	ug/Kg		11/14/2019 21:58
1,2-Dibromoethane	< 8.91	ug/Kg		11/14/2019 21:58
1,2-Dichlorobenzene	< 8.91	ug/Kg		11/14/2019 21:58
1,2-Dichloroethane	< 8.91	ug/Kg		11/14/2019 21:58
1,2-Dichloropropane	< 8.91	ug/Kg		11/14/2019 21:58
1,3-Dichlorobenzene	< 8.91	ug/Kg		11/14/2019 21:58
1,4-Dichlorobenzene	< 8.91	ug/Kg		11/14/2019 21:58
1,4-Dioxane	< 89.1	ug/Kg		11/14/2019 21:58
2-Butanone	< 44.5	ug/Kg		11/14/2019 21:58
2-Hexanone	< 22.3	ug/Kg		11/14/2019 21:58
4-Methyl-2-pentanone	< 22.3	ug/Kg		11/14/2019 21:58
Acetone	< 44.5	ug/Kg		11/14/2019 21:58
Benzene	< 8.91	ug/Kg		11/14/2019 21:58
Bromochloromethane	< 22.3	ug/Kg		11/14/2019 21:58
Bromodichloromethane	< 8.91	ug/Kg		11/14/2019 21:58
Bromoform	< 22.3	ug/Kg		11/14/2019 21:58
Bromomethane	< 8.91	ug/Kg		11/14/2019 21:58
Carbon disulfide	< 8.91	ug/Kg		11/14/2019 21:58
Carbon Tetrachloride	< 8.91	ug/Kg		11/14/2019 21:58
Chlorobenzene	< 8.91	ug/Kg		11/14/2019 21:58
Chloroethane	< 8.91	ug/Kg		11/14/2019 21:58

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, November 15, 2019

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Lab Project ID: 195650

Client: **LaBella Associates, P.C.**

Project Reference: Former Taylor Instruments - RARP - 2161270.043

Sample Identifier: 192-139 (111419)

Lab Sample ID: 195650-01

Date Sampled: 11/14/2019

Matrix: Soil

Date Received: 11/14/2019

Chloroform	< 8.91	ug/Kg	11/14/2019 21:58
Chloromethane	< 8.91	ug/Kg	11/14/2019 21:58
cis-1,2-Dichloroethene	< 8.91	ug/Kg	11/14/2019 21:58
cis-1,3-Dichloropropene	< 8.91	ug/Kg	11/14/2019 21:58
Cyclohexane	< 44.5	ug/Kg	11/14/2019 21:58
Dibromochloromethane	< 8.91	ug/Kg	11/14/2019 21:58
Dichlorodifluoromethane	< 8.91	ug/Kg	11/14/2019 21:58
Ethylbenzene	< 8.91	ug/Kg	11/14/2019 21:58
Freon 113	< 8.91	ug/Kg	11/14/2019 21:58
Isopropylbenzene	< 8.91	ug/Kg	11/14/2019 21:58
m,p-Xylene	< 8.91	ug/Kg	11/14/2019 21:58
Methyl acetate	< 8.91	ug/Kg	11/14/2019 21:58
Methyl tert-butyl Ether	< 8.91	ug/Kg	11/14/2019 21:58
Methylcyclohexane	< 8.91	ug/Kg	11/14/2019 21:58
Methylene chloride	< 22.3	ug/Kg	11/14/2019 21:58
o-Xylene	< 8.91	ug/Kg	11/14/2019 21:58
Styrene	< 22.3	ug/Kg	11/14/2019 21:58
Tetrachloroethene	< 8.91	ug/Kg	11/14/2019 21:58
Toluene	< 8.91	ug/Kg	11/14/2019 21:58
trans-1,2-Dichloroethene	< 8.91	ug/Kg	11/14/2019 21:58
trans-1,3-Dichloropropene	< 8.91	ug/Kg	11/14/2019 21:58
Trichloroethene	9.65	ug/Kg	11/14/2019 21:58
Trichlorofluoromethane	< 8.91	ug/Kg	11/14/2019 21:58
Vinyl chloride	< 8.91	ug/Kg	11/14/2019 21:58

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, November 15, 2019

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Chain of Custody Supplement

Client: LaBella Completed by: Glenn Pezzulo
 Lab Project ID: 195650 Date: 11/14/19

Sample Condition Requirements

Per NELAP/ELAP 210/241/242/243/244

Condition	Yes	No	N/A
Container Type	☒	☒ 5035	☐
Comments			
Transferred to method-compliant container	☐	☐	☒
Headspace (<1 mL)	☐	☐	☒
Comments			
Preservation	☐	☐	☒
Comments			
Chlorine Absent (<0.10 ppm per test strip)	☐	☐	☒
Comments			
Holding Time	☒	☐	☐
Comments			
Temperature	☒	☐	☐
Comments	3°C iced		
Compliant Sample Quantity/Type	☒	☐	☐
Comments			

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 13998

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ANALYTICAL REPORT

Lab Number: L1949200
 Client: LaBella Associates, P.C.
 300 State Street
 Suite 201
 Rochester, NY 14614
 ATTN: Seth Davis
 Phone: (607) 221-2096
 Project Name: FORMER TAYLOR INSTRUMENTS-RARP
 Project Number: 2161270.043
 Report Date: 10/22/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (MA0086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LA000065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
 508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

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Serial_No:10221914:50

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
 Project Number: 2161270.043

Lab Number: L1949200
 Report Date: 10/22/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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Serial_No:10221914:50

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
 Project Number: 2161270.043

Lab Number: L1949200
 Report Date: 10/22/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1949200-01	192-138 (101819)	SOIL	95 AMES ST., ROCHESTER, NY	10/18/19 14:00	10/18/19
L1949200-02	192-139 (101819)	SOIL	95 AMES ST., ROCHESTER, NY	10/18/19 14:15	10/18/19
L1949200-03	192-140 (101819)	SOIL	95 AMES ST., ROCHESTER, NY	10/18/19 14:30	10/18/19

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Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

The WG1298984-3 MS recovery, performed on L1949200-01, is outside the acceptance criteria for sulfur (72%). A post digestion spike was performed and yielded an unacceptable recovery of 67%. The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 10/22/19



ORGANICS



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-01
Client ID: 192-138 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:00
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/21/19 09:26
Analyst: MM
Percent Solids: 90%
TCLP/SPLP Ext. Date: 10/19/19 12:47

VOLATILES

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10
Surrogate		% Recovery	Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4		119		70-130		
Toluene-d8		98		70-130		
4-Bromofluorobenzene		110		70-130		
dibromofluoromethane		104		70-130		



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
SAMPLE RESULTS
Lab ID: L1949200-02
Client ID: 192-139 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY
Date Collected: 10/18/19 14:15
Date Received: 10/18/19
Field Prep: Not Specified
Sample Depth:
Matrix: Soil
Analytical Method: 1.8260C
Analytical Date: 10/21/19 09:57
Analyst: MM
Percent Solids: 84%
TCLP/SPLP Ext. Date: 10/19/19 12:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	2.6	J	ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,2-Dichloroethane-d4			118		70-130	
Toluene-d8			98		70-130	
4-Bromofluorobenzene			112		70-130	
dibromofluoromethane			106		70-130	

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Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
SAMPLE RESULTS
Lab ID: L1949200-03
Client ID: 192-140 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY
Date Collected: 10/18/19 14:30
Date Received: 10/18/19
Field Prep: Not Specified
Sample Depth:
Matrix: Soil
Analytical Method: 1.8260C
Analytical Date: 10/21/19 10:27
Analyst: MM
Percent Solids: 82%
TCLP/SPLP Ext. Date: 10/19/19 12:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,2-Dichloroethane-d4			119		70-130	
Toluene-d8			99		70-130	
4-Bromofluorobenzene			110		70-130	
dibromofluoromethane			107		70-130	

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Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
METHOD Blank Analysis
Batch Quality Control
Analytical Method: 1.8260C
Analytical Date: 10/21/19 05:54
Analyst: MM
TCLP/SPLP Extraction Date: 10/19/19 12:47
Extraction Date: 10/19/19 12:47

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG1298674-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.
Surrogate			%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4			115		70-130
Toluene-d8			98		70-130
4-Bromofluorobenzene			110		70-130
dibromofluoromethane			102		70-130

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Serial_No:10221914:50

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab Control Sample Analysis
Batch Quality Control
Lab Number: L1949200
Report Date: 10/22/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	LCS %Recovery	Qual	RPD Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG1298674-3 WG1298674-4										
Chloroform	110		110		110		70-130	0		20
Carbon tetrachloride	110		110		110		63-132	0		20
Tetrachloroethene	100		110		110		70-130	10		20
Chlorobenzene	99		100		100		75-130	1		25
1,2-Dichloroethane	120		120		120		70-130	0		20
Benzene	110		110		110		70-130	0		25
Vinyl chloride	100		100		100		55-140	0		20
1,1-Dichloroethene	99		100		100		61-145	1		25
Trichloroethene	100		110		110		70-130	10		25
1,4-Dichlorobenzene	97		98		100		70-130	1		20
2-Butanone	120		120		120		63-138	0		20
Surrogate			LCS %Recovery	Qual	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria	
1,2-Dichloroethane-d4			113		111		70-130		70-130	
4-Bromofluorobenzene			104		104		70-130		70-130	
4-Bromobenzonitrile			101		103		70-130		70-130	
dibromofluoromethane			101		98		70-130		70-130	

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Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Serial_No:10221914:50
Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-01
Client ID: 192-138 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:00
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/21/19 12:05
Analyst: SZ
Percent Solids: 90%
TCLP/SPLP Ext. Date: 10/19/19 17:00

Extraction Method: EPA 3510C
Extraction Date: 10/20/19 19:05

SEMIVOLATILES

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1
Surrogate						
			% Recovery	Qualifier	Acceptance Criteria	
2-Fluorophenol			64		21-120	
Phenol-d6			66		10-120	
Nitrobenzene-d5			60		23-120	
2-Fluorobiphenyl			77		15-120	
2,4,6-Tribromophenol			108		10-120	
4-Terphenyl-d14			62		33-120	

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
SAMPLE RESULTS

Lab ID: L1949200-02
Client ID: 192-139 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:15
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/21/19 12:30
Analyst: SZ
Percent Solids: 84%
TCLP/SPLP Ext. Date: 10/19/19 17:00

Extraction Method: EPA 3510C
Extraction Date: 10/20/19 19:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1
Surrogate						
			% Recovery	Qualifier	Acceptance Criteria	
2-Fluorophenol			67		21-120	
Phenol-d6			69		10-120	
Nitrobenzene-d5			62		23-120	
2-Fluorobiphenyl			79		15-120	
2,4,6-Tribromophenol			115		10-120	
4-Terphenyl-d14			65		33-120	

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
SAMPLE RESULTS

Lab ID: L1949200-03
Client ID: 192-140 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:30
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/21/19 13:19
Analyst: SZ
Percent Solids: 82%
TCLP/SPLP Ext. Date: 10/19/19 17:00

Extraction Method: EPA 3510C
Extraction Date: 10/20/19 19:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1
Surrogate						
			% Recovery	Qualifier	Acceptance Criteria	
2-Fluorophenol			60		21-120	
Phenol-d6			62		10-120	
Nitrobenzene-d5			58		23-120	
2-Fluorobiphenyl			73		15-120	
2,4,6-Tribromophenol			103		10-120	
4-Terphenyl-d14			58		33-120	

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/21/19 09:40
Analyst: SZ
TCLP/SPLP Extraction Date: 10/19/19 00:03

Extraction Method: EPA 3510C
Extraction Date: 10/20/19 19:05

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG1298497-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	57		33-120



Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD	Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG1298497-2 WG1298497-3									
Hexachlorobenzene	106		93		40-140		13		30
2,4-Dinitrotoluene	96		83		40-132		15		30
Hexachlorobutadiene	104		90		28-111		14		30
Hexachloroethane	76		68		21-105		11		30
Nitrobenzene	85		74		40-140		14		30
2,4,6-Trichlorophenol	119		103		30-130		14		30
Pentachlorophenol	87		73		9-103		18		30
2-Methylphenol	82		71		30-130		14		30
3-Methylphenol/4-Methylphenol	89		75		30-130		17		30
2,4,5-Trichlorophenol	125		105		30-130		17		30
Pyridine	71	Q	60		10-66		17		30

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		60		21-120
Phenol-d6	72		62		10-120
Nitrobenzene-d5	66		57		23-120
2-Fluorobiphenyl	83		72		15-120
2,4,6-Tribromophenol	116		97		10-120
4-Terphenyl-d14	66		56		33-120



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Serial_No:10221914:50
Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-01
Client ID: 192-138 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:00
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/21/19 03:38
Analyst: AWS
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/20/19 09:29
Cleanup Method: EPA 3665A
Cleanup Date: 10/20/19
Cleanup Method: EPA 3660B
Cleanup Date: 10/20/19

PCBS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	3.20	1	A
Aroclor 1221	ND		ug/kg	36.0	3.61	1	A
Aroclor 1232	ND		ug/kg	36.0	7.64	1	A
Aroclor 1242	ND		ug/kg	36.0	4.86	1	A
Aroclor 1248	ND		ug/kg	36.0	5.41	1	A
Aroclor 1254	ND		ug/kg	36.0	3.94	1	A
Aroclor 1260	ND		ug/kg	36.0	6.66	1	A
Aroclor 1262	ND		ug/kg	36.0	4.58	1	A
Aroclor 1268	ND		ug/kg	36.0	3.74	1	A
PCBs, Total	ND		ug/kg	36.0	3.20	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	66		30-150	B





METALS



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-01
Client ID: 192-138 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:00
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 10/19/19 17:00
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/21/19 11:11	10/21/19 15:52	EPA 3015	1.6010D	LC
Barium, TCLP	0.456	J	mg/l	0.500	0.021	1	10/21/19 11:11	10/21/19 15:52	EPA 3015	1.6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/21/19 11:11	10/21/19 15:52	EPA 3015	1.6010D	LC
Chromium, TCLP	0.043	J	mg/l	0.200	0.021	1	10/21/19 11:11	10/21/19 15:52	EPA 3015	1.6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/21/19 11:11	10/21/19 15:52	EPA 3015	1.6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	10/21/19 12:45	10/21/19 19:03	EPA 7470A	1.7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/21/19 11:11	10/21/19 15:52	EPA 3015	1.6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/21/19 11:11	10/21/19 15:52	EPA 3015	1.6010D	LC



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-01
Client ID: 192-138 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:00
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Sulfur, Total	545		mg/kg	38.6	9.82	1	10/22/19 09:50	10/22/19 13:15	EPA 3051A	1.6010D	LC



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-02
Client ID: 192-139 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:15
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 10/19/19 17:00
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/21/19 11:11	10/21/19 15:57	EPA 3015	1.6010D	LC
Barium, TCLP	0.421	J	mg/l	0.500	0.021	1	10/21/19 11:11	10/21/19 15:57	EPA 3015	1.6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/21/19 11:11	10/21/19 15:57	EPA 3015	1.6010D	LC
Chromium, TCLP	0.045	J	mg/l	0.200	0.021	1	10/21/19 11:11	10/21/19 15:57	EPA 3015	1.6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/21/19 11:11	10/21/19 15:57	EPA 3015	1.6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	10/21/19 12:45	10/21/19 19:05	EPA 7470A	1.7470A	GD
Selenium, TCLP	0.046	J	mg/l	0.500	0.035	1	10/21/19 11:11	10/21/19 15:57	EPA 3015	1.6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/21/19 11:11	10/21/19 15:57	EPA 3015	1.6010D	LC



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-02
Client ID: 192-139 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:15
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Sulfur, Total	527		mg/kg	43.8	11.1	1	10/22/19 09:50	10/22/19 13:29	EPA 3051A	1.6010D	LC



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-03
Client ID: 192-140 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:30
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 10/19/19 17:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.025	J	mg/l	1.00	0.019	1	10/21/19 11:11	10/21/19 16:01	EPA 3015	1.6010D	LC
Barium, TCLP	0.529		mg/l	0.500	0.021	1	10/21/19 11:11	10/21/19 16:01	EPA 3015	1.6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/21/19 11:11	10/21/19 16:01	EPA 3015	1.6010D	LC
Chromium, TCLP	0.046	J	mg/l	0.200	0.021	1	10/21/19 11:11	10/21/19 16:01	EPA 3015	1.6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/21/19 11:11	10/21/19 16:01	EPA 3015	1.6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	10/21/19 12:45	10/21/19 19:07	EPA 7470A	1.7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	10/21/19 11:11	10/21/19 16:01	EPA 3015	1.6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/21/19 11:11	10/21/19 16:01	EPA 3015	1.6010D	LC



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-03
Client ID: 192-140 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:30
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Sulfur, Total	294		mg/kg	41.6	10.6	1	10/22/19 09:50	10/22/19 13:32	EPA 3051A	1.6010D	LC



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1298627-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	10/21/19 11:11	10/21/19 14:11	1.6010D	LC
Barium, TCLP	0.037	J	mg/l	0.500	0.021	1	10/21/19 11:11	10/21/19 14:11	1.6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	10/21/19 11:11	10/21/19 14:11	1.6010D	LC
Chromium, TCLP	0.044	J	mg/l	0.200	0.021	1	10/21/19 11:11	10/21/19 14:11	1.6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	10/21/19 11:11	10/21/19 14:11	1.6010D	LC
Selenium, TCLP	0.038	J	mg/l	0.500	0.035	1	10/21/19 11:11	10/21/19 14:11	1.6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	10/21/19 11:11	10/21/19 14:11	1.6010D	LC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 10/17/19 23:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1298690-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	10/21/19 12:45	10/21/19 18:39	1.7470A	GD

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 10/17/19 23:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1298984-1										
Sulfur, Total	ND		mg/kg	41.7	10.6	1	10/22/19 09:50	10/22/19 13:08	1.6010D	LC

Prep Information

Digestion Method: EPA 3051A



Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER TAYLOR INSTRUMENTS-RARP Lab Number: L1949200
Project Number: 2161270.043 Report Date: 10/22/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1298627-4 QC Sample: L1948460-01 Client ID: DUP Sample						
Arsenic, TCLP	0.029J	ND	mg/l	NC		20
Barium, TCLP	0.680	0.681	mg/l	0		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	0.059J	0.052J	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	0.058J	0.043J	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1298690-4 QC Sample: L1948460-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1298984-4 QC Sample: L1949200-01 Client ID: 192-138 (101819)						
Sulfur, Total	545	469	mg/kg	15		20



Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER TAYLOR INSTRUMENTS-RARP Lab Number: L1949200
Project Number: 2161270.043 Report Date: 10/22/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1298627-2								
Arsenic, TCLP	112		-		75-125	-		20
Barium, TCLP	100		-		75-125	-		20
Cadmium, TCLP	103		-		75-125	-		20
Chromium, TCLP	100		-		75-125	-		20
Lead, TCLP	100		-		75-125	-		20
Selenium, TCLP	112		-		75-125	-		20
Silver, TCLP	98		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1298690-2								
Mercury, TCLP	82		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1298984-2								
Sulfur, Total	96		-		80-120	-		



INORGANICS
&
MISCELLANEOUS

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER TAYLOR INSTRUMENTS-RARP Lab Number: L1949200
Project Number: 2161270.043 Report Date: 10/22/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	Recovery Limits	RPD Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1298627-3 QC Sample: L1948460-01 Client ID: MS Sample										
Arsenic, TCLP	0.029J	1.2	1.37	114		-	-	75-125	-	20
Barium, TCLP	0.680	20	20.3	98		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.527	103		-	-	75-125	-	20
Chromium, TCLP	0.059J	2	1.98	99		-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.11	100		-	-	75-125	-	20
Selenium, TCLP	0.058J	1.2	1.35	112		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.489	98		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1298690-3 QC Sample: L1948460-01 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0235	94		-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1298984-3 QC Sample: L1949200-01 Client ID: 192-138 (101819)										
Sulfur, Total	545	142	647	72	Q	-	-	75-125	-	20



Serial_No:10221914:50

Project Name: FORMER TAYLOR INSTRUMENTS-RA
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-01
Client ID: 192-138 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:00
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Fine
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/21/19 00:17	1,1030	BR



Serial_No:10221914:50

Project Name: FORMER TAYLOR INSTRUMENTS-RA
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-02
Client ID: 192-139 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:15
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/21/19 00:17	1,1030	BR



Serial_No:10221914:50

Project Name: FORMER TAYLOR INSTRUMENTS-RA
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-03
Client ID: 192-140 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:30
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Wet Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/21/19 00:17	1,1030	BR



Serial_No:10221914:50

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-01
Client ID: 192-138 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 14:00
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	10/19/19 05:54	121,2540G	YA
Sulfate	20	J	mg/kg	110	15.	1	-	10/21/19 06:40	1.9038	MV



Serial_No:10221914:50

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-02
Client ID: 192-139 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY
Date Collected: 10/18/19 14:15
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth: Soil
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	10/19/19 05:54	121.2540G	YA
Sulfate	110	J	mg/kg	120	16.	1	-	10/21/19 06:40	1.9038	MV



Serial_No:10221914:50

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949200-03
Client ID: 192-140 (101819)
Sample Location: 95 AMES ST., ROCHESTER, NY
Date Collected: 10/18/19 14:30
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth: Soil
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.5		%	0.100	NA	1	-	10/19/19 05:54	121.2540G	YA
Sulfate	18	J	mg/kg	120	17.	1	-	10/21/19 06:40	1.9038	MV



Serial_No:10221914:50

Project Name: FORMER TAYLOR INSTRUMENTS-RA
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1298527-1										
Sulfate	17	J	mg/kg	100	14.	1	-	10/21/19 06:40	1.9038	MV



Serial_No:10221914:50

Lab Number: L1949200
Report Date: 10/22/19

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1298527-2								
Sulfate	110		-		80-121	-		12



Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03	110.0	471	190	40	-	-	22.183	-	12
Sulfate									

Container Information	Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1949200-01A	Plastic 2oz unpreserved for TS	A	NA	3.8	Y	3.8	Y	Absent	TS(7)	
L1949200-01B	Metallic Only Glass 60mL/2oz unpreserved	A	NA	3.8	Y	3.8	Y	Absent	S-TI(180)	
L1949200-01C	Vial Large Septa unpreserved (4oz)	A	NA	3.8	Y	3.8	Y	Absent	TCLP-EXT-ZHEI(4)	
L1949200-01D	Glass 500mL/16oz unpreserved	A	NA	3.8	Y	3.8	Y	Absent	IGMT-1030(14),S04-908(28),NYTCL-805(14)	
L1949200-01W	Antber 1000mL unpreserved Extracts	A	NA	3.8	Y	3.8	Y	Absent	TCLP-8270(14)	
L1949200-01X	Plastic 120mL HNO3 preserved Extracts	A	NA	3.8	Y	3.8	Y	Absent	CD-CI(180),BA-CI(180),AS-CI(180),HG-CI(180),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)	
L1949200-01X9	Tumble Vessel	A	NA	3.8	Y	3.8	Y	Absent	-	
L1949200-01Y	Vial unpreserved Extracts	A	NA	3.8	Y	3.8	Y	Absent	TCLP-VOL(14)	
L1949200-01Z	Vial unpreserved Extracts	A	NA	3.8	Y	3.8	Y	Absent	TCLP-VOL(14)	
L1949200-02A	Plastic 2oz unpreserved for TS	A	NA	3.8	Y	3.8	Y	Absent	TS(7)	
L1949200-02B	Metallic Only Glass 60mL/2oz unpreserved	A	NA	3.8	Y	3.8	Y	Absent	S-TI(180)	
L1949200-02C	Vial Large Septa unpreserved (4oz)	A	NA	3.8	Y	3.8	Y	Absent	TCLP-EXT-ZHEI(4)	
L1949200-02D	Glass 500mL/16oz unpreserved	A	NA	3.8	Y	3.8	Y	Absent	IGMT-1030(14),S04-908(28),NYTCL-805(14)	
L1949200-02W	Antber 1000mL unpreserved Extracts	A	NA	3.8	Y	3.8	Y	Absent	TCLP-8270(14)	
L1949200-02X	Plastic 120mL HNO3 preserved Extracts	A	NA	3.8	Y	3.8	Y	Absent	CD-CI(180),BA-CI(180),AS-CI(180),HG-CI(180),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)	
L1949200-02X9	Tumble Vessel	A	NA	3.8	Y	3.8	Y	Absent	-	
L1949200-02Y	Vial unpreserved Extracts	A	NA	3.8	Y	3.8	Y	Absent	TCLP-VOL(14)	
L1949200-02Z	Vial unpreserved Extracts	A	NA	3.8	Y	3.8	Y	Absent	TCLP-VOL(14)	
L1949200-03A	Plastic 2oz unpreserved for TS	A	NA	3.8	Y	3.8	Y	Absent	TS(7)	
L1949200-03B	Metallic Only Glass 60mL/2oz unpreserved	A	NA	3.8	Y	3.8	Y	Absent	S-TI(180)	
L1949200-03C	Vial Large Septa unpreserved (4oz)	A	NA	3.8	Y	3.8	Y	Absent	TCLP-EXT-ZHEI(4)	

General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1288527-4 QC Sample: L1949200-02 Client ID: 192-139 (101819)

*Values in parentheses indicate holding time in days

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03	60.3	63.5	%	5	-	20
Solids, Total						
Sulfate	110.0	100.0	ng/kg	NC	-	12

Container Information	Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1949200-03D	Glass 500mL/16oz unpreserved	A	NA	3.8	Y	3.8	Y	Absent	IGMT-1030(14),S04-908(28),NYTCL-805(14)	
L1949200-03W	Antber 1000mL unpreserved Extracts	A	NA	3.8	Y	3.8	Y	Absent	TCLP-8270(14)	
L1949200-03X	Plastic 120mL HNO3 preserved Extracts	A	NA	3.8	Y	3.8	Y	Absent	CD-CI(180),BA-CI(180),AS-CI(180),HG-CI(180),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)	
L1949200-03X9	Tumble Vessel	A	NA	3.8	Y	3.8	Y	Absent	-	
L1949200-03Y	Vial unpreserved Extracts	A	NA	3.8	Y	3.8	Y	Absent	TCLP-VOL(14)	
L1949200-03Z	Vial unpreserved Extracts	A	NA	3.8	Y	3.8	Y	Absent	TCLP-VOL(14)	

General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1288527-3 QC Sample: L1949200-02 Client ID: 192-139 (101819)

*Values in parentheses indicate holding time in days

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LF B	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 352.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 136260B.) The codes for the reference method documents are provided in the References section of the Addendum.
Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the PFAS Total (5) result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analytes.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.
J	- Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
MD	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
NI	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedances are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
S	- Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949200
Report Date: 10/22/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at its own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.

Facility: Company-wide

Department: Quality Assurance

Title: Certificate/Approval Program Summary

ID No.: 17873
Revision 15
Published Date: 8/15/2019 9:53:42 AM
Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m,p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 82700: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility

SM 25400: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Haloethane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothioephene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE,

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EOB, DBCP.

Microbiology: SM9215B; SM9223-PIA, SM9223B-Colliert-QT, SM9222D.

Non-Potable Water

SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1:

Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, SM4500P-E, SM4500P-B, E, SM4500SO4-E,

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 605.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), EPA 600/4-81-045: PCB-Oil.

Microbiology: SM9223B-Colliert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg.

EPA 522.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY		Service Location Manhasset Neck, NY 11030-271 Manhasset, NY 11030-271 Tarrytown, NY 10590-271		Page 2 of 2		Date Rec'd in Lab 10/17/19		ALPHA JOB # 1907200	
Project Name: <u>FOURTH FLOOR INSTRUCTION - RAMP</u>		Project Location: <u>95 AUSTIN ST. ROXBURY, NY</u>		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 Pkg) ☐ EQUIS (4 Pkg) ☐ Other		Billing Information ☒ Same as Client Info ☐ Not		ALPHA JOB #	
Project # <u>2161720-043</u>		Use Project name as Project # ☐		Regulatory Requirement ☐ NY TGS ☐ NY TGS ☐ AVG Standards ☐ NY CP-51 ☐ NY Unrestricted Use ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of appropriate disposal facilities Disposal Facility ☐ NJ ☐ NY ☐ Other		Disposal Site Information	
Project Manager: <u>SETH DAVIS</u>		Turn-Around Time Standard ☐ Rush (only if pre approved) ☒		Due Date # of Days: <u>2</u>		ANALYSIS		Sample Information ☐ Do not do ☐ Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments	
These samples have been previously analyzed by Alpha ☐		Other project specific requirements/comments:		Collection Date Time		Sample Matrix		Sample's Initials	
ALPHA Lab ID (Lab Use Only)		Sample ID		Date Time		Sample Matrix		Sample's Initials	
19208-01		192-138 (10/19)		10/18/19 14:00		S.D.		SL	
-02		192-139 (10/19)		14:15		"		SL	
-03		192-140 (10/19)		14:30		"		SL	
Preservative Code A = None B = Plastic C = Vinyl D = H ₂ SO ₄ E = NaOH F = Na ₂ SO ₄ G = HNO ₃ H = Na ₂ S ₂ O ₈ I = H ₂ O ₂ J = Other		Container Code P = Plastic V = Vinyl G = Glass B = Business Cup C = Chisel E = Encease D = BOD Bottle G = Other		Westboro: Certification No. MA935 Marblehead: Certification No. MA015		Container Type Preservative		Date/Time 10/18/19 14:15	
Requisitioned By: <u>SETH DAVIS</u>		Date/Time 10/18/19 17:20		Received By: <u>SETH DAVIS</u>		Date/Time 10/18/19 17:30		TERMS & CONDITIONS (See reverse side.)	



ANALYTICAL REPORT

Lab Number:	L1949198
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Seth Davis
Phone:	(607) 221-2096
Project Name:	FORMER TAYLOR INSTRUMENTS-RAP
Project Number:	2161270.043
Report Date:	10/22/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LA000085), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

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Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949198
Report Date: 10/22/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this replicate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the gray shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merge tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER TAYLOR INSTRUMENTS-RARP
Project Number:	2161270.043

Lab Number: L1949198
Report Date: 10/22/19

Alpha	Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
	L1949198-01	TI-GW-101819	WATER	95 AMES ST., ROCHESTER, NY	10/18/19 15:00	10/18/19
	L1949198-02	TRIP BLANK	WATER	95 AMES ST., ROCHESTER, NY	10/18/19 00:00	10/18/19



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949198
Report Date: 10/22/19

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1949198-02: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody, and was not analyzed.

PCBs

L1949198-01: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 10/22/19



ORGANICS



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Lab Number: L1949198
Report Date: 10/22/19

SAMPLE RESULTS

Lab ID: L1949198-01
Client ID: TI-GW-101819
Sample Location: 95 AMES ST., ROCHESTER, NY

Date Collected: 10/18/19 15:00
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 10/19/19 12:38
Analyst: MKS

VOLATILES

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	4.2		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	0.32	J	ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	0.78	J	ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	1.4	J	ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	0.42	J	ug/l	1.0	0.17	1



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab ID: L1949198-01
Client ID: TI-GW-101819
Sample Location: 95 AMES ST., ROCHESTER, NY
Serial_No:10221913:10
Lab Number: L1949198
Report Date: 10/22/19
Date Collected: 10/18/19 15:00
Date Received: 10/18/19
Field Prep: Not Specified

SAMPLE RESULTS

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2.7		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	8.7	J	ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	1.1	J	ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	94		60-140
Fluorobenzene	94		60-140
4-Bromofluorobenzene	87		60-140

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Analytical Method: 128,624.1
Analytical Date: 10/19/19 11:29
Analyst: MKS
Serial_No:10221913:10
Lab Number: L1949198
Report Date: 10/22/19
Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1298650-8					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	2.4	J	ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab Number: L1949198
Report Date: 10/22/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 10/19/19 11:29
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1298650-8					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	2.4	J	ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	1.3	J	ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	93		60-140
Fluorobenzene	94		60-140
4-Bromofluorobenzene	85		60-140

Serial_No:10221913:10

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab Number: L1949198
Report Date: 10/22/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1298650-7								
Methylene chloride	90		-		60-140	-		28
1,1-Dichloroethane	90		-		50-150	-		49
Chloroform	90		-		70-135	-		54
Carbon tetrachloride	85		-		70-130	-		41
1,2-Dichloropropane	95		-		35-165	-		55
Dibromochloromethane	80		-		70-155	-		50
1,1,2-Trichloroethane	95		-		70-130	-		45
2-Chloroethylvinyl ether	120		-		1-225	-		71
Tetrachloroethene	85		-		70-130	-		39
Chlorobenzene	85		-		65-135	-		53
Trichlorofluoromethane	90		-		50-150	-		84
1,2-Dichloroethane	100		-		70-130	-		49
1,1,1-Trichloroethane	95		-		70-130	-		36
Bromodichloromethane	100		-		65-135	-		56
trans-1,3-Dichloropropene	95		-		50-150	-		86
cis-1,3-Dichloropropene	100		-		25-175	-		58
Bromoform	75		-		70-130	-		42
1,1,2,2-Tetrachloroethane	95		-		60-140	-		61
Benzene	95		-		65-135	-		61
Toluene	100		-		70-130	-		41
Ethylbenzene	90		-		60-140	-		63
Chloromethane	100		-		1-205	-		60
Bromomethane	65		-		15-165	-		61

Lab Control Sample Analysis

Lab Number: L1949198
Report Date: 10/22/19Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1298650-7							
Vinyl chloride	125	-	-	-	-	-	66
Chloroethane	105	-	-	-	-	-	78
1,1-Dichloroethane	90	-	-	-	-	-	32
trans-1,2-Dichloroethane	95	-	-	-	-	-	45
cis-1,2-Dichloroethane	90	-	-	-	-	-	30
Trichloroethane	90	-	-	-	-	-	48
1,2-Dichlorobenzene	85	-	-	-	-	-	57
1,3-Dichlorobenzene	80	-	-	-	-	-	43
1,4-Dichlorobenzene	85	-	-	-	-	-	57
p,m-Xylene	88	-	-	-	-	-	30
o-xylene	85	-	-	-	-	-	30
Styrene	85	-	-	-	-	-	30
Acetone	118	-	-	-	-	-	30
Carbon disulfide	85	-	-	-	-	-	30
2-Butanone	116	-	-	-	-	-	30
Vinyl acetate	92	-	-	-	-	-	30
4-Methyl-2-pentanone	118	-	-	-	-	-	30
2-Hexanone	122	-	-	-	-	-	30
Acrolein	112	-	-	-	-	-	30
Acrylonitrile	105	-	-	-	-	-	60
Dibromomethane	90	-	-	-	-	-	30

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Lab Control Sample Analysis

Lab Number: L1949198
Report Date: 10/22/19Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1298650-7							
Surrogate							
Pentfluorobenzene	95	-	-	-	-	-	60-140
Fluorobenzene	97	-	-	-	-	-	60-140
4-Bromofluorobenzene	85	-	-	-	-	-	60-140

Page 13 of 45



Serial_No:10221913:10

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043

SAMPLE RESULTS

Lab ID: L1949198-01
Client ID: TI-GW-101819
Sample Location: 95 AMES ST., ROCHESTER, NYSerial_No:10221913:10
Lab Number: L1949198
Report Date: 10/22/19Date Collected: 10/18/19 15:00
Date Received: 10/18/19
Field Prep: Not SpecifiedSample Depth:
Matrix: Water
Analytical Method: 129.625.1
Analytical Date: 10/21/19 14:43
Analyst: EKExtraction Method: EPA 625.1
Extraction Date: 10/19/19 05:19

SEMIVOLATILES

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.41	1
Benzidine ¹	ND		ug/l	20	12.	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.5	1
Hexachlorobenzene	ND		ug/l	2.0	0.95	1
Bis(2-chloroethoxy)ether	ND		ug/l	2.0	0.60	1
2-Chloronaphthalene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.46	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.64	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.63	1
Azobenzene ¹	ND		ug/l	2.0	0.89	1
Fluoranthene	ND		ug/l	2.0	0.74	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.37	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.45	1
Bis(2-chloroisopropoxy)ether	ND		ug/l	2.0	0.82	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.58	1
Hexachlorobutadiene	ND		ug/l	2.0	0.92	1
Hexachlorocyclopentadiene ¹	ND		ug/l	10	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.97	1
Isophorone	ND		ug/l	5.0	0.55	1
Naphthalene	ND		ug/l	2.0	0.90	1
Nitrobenzene	ND		ug/l	2.0	0.79	1
NDPA/DPA ¹	ND		ug/l	2.0	0.78	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.63	1
Bis(2-ethoxyethoxy)phthalate	ND		ug/l	2.2	1.7	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.67	1
Di-n-butylphthalate	ND		ug/l	5.0	0.63	1
Di-n-octylphthalate	ND		ug/l	5.0	0.63	1
Diethyl phthalate	ND		ug/l	5.0	0.72	1



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab ID: L1949198-01
Client ID: TI-GW-101819
Sample Location: 95 AMES ST., ROCHESTER, NY
Serial_No:10221913:10
Lab Number: L1949198
Report Date: 10/22/19
Date Collected: 10/18/19 15:00
Date Received: 10/18/19
Field Prep: Not Specified

SAMPLE RESULTS

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dimethyl phthalate	ND		ug/l	5.0	1.4	1
Benzo(a)anthracene	ND		ug/l	2.0	0.66	1
Benzo(a)pyrene	ND		ug/l	2.0	0.61	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.74	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.74	1
Chrysene	ND		ug/l	2.0	0.67	1
Acenaphthylene	ND		ug/l	2.0	0.93	1
Anthracene	ND		ug/l	2.0	0.79	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.67	1
Fluorene	ND		ug/l	2.0	0.93	1
Phenanthrene	ND		ug/l	2.0	0.82	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.69	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.63	1
Pyrene	ND		ug/l	2.0	0.73	1
n-Nitrosodimethylamine ¹	ND		ug/l	2.0	0.41	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol ¹	ND		ug/l	2.0	0.53	1
2-Chlorophenol	ND		ug/l	2.0	0.51	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.55	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.85	1
2-Nitrophenol	ND		ug/l	5.0	0.60	1
4-Nitrophenol	ND		ug/l	10	0.83	1
2,4-Dinitrophenol	ND		ug/l	20	1.2	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.2	1
Pentachlorophenol	ND		ug/l	5.0	0.62	1
Phenol	ND		ug/l	5.0	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-87
Phenol-d6	33		16-65
Nitrobenzene-d5	69		42-122
2-Fluorobiphenyl	67		46-121
2,4,6-Tribromophenol	97		45-128
4-Terphenyl-d14	80		47-138

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Analytical Method: 129.625.1
Analytical Date: 10/21/19 14:19
Analyst: EK
Serial_No:10221913:10
Lab Number: L1949198
Report Date: 10/22/19
Extraction Method: EPA 625.1
Extraction Date: 10/19/19 05:19
Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1298231-1					
Acenaphthene	ND		ug/l	2.0	0.41
Benzidine ¹	ND		ug/l	20	12.
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.5
Hexachlorobenzene	ND		ug/l	2.0	0.95
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.60
2-Chloronaphthalene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.46
2,4-Dinitrotoluene	ND		ug/l	5.0	0.64
2,6-Dinitrotoluene	ND		ug/l	5.0	0.63
Azobenzene ¹	ND		ug/l	2.0	0.89
Fluoranthene	ND		ug/l	2.0	0.74
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.37
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.45
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.82
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.58
Hexachlorobutadiene	ND		ug/l	2.0	0.92
Hexachlorocyclopentadiene ¹	ND		ug/l	10	1.4
Hexachloroethane	ND		ug/l	2.0	0.97
Isophorone	ND		ug/l	5.0	0.55
Naphthalene	ND		ug/l	2.0	0.90
Nitrobenzene	ND		ug/l	2.0	0.79
NDPA/DPA ¹	ND		ug/l	2.0	0.78
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.63
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.2	1.7
Butyl benzyl phthalate	ND		ug/l	5.0	0.67
Di-n-butylphthalate	ND		ug/l	5.0	0.63
Di-n-octylphthalate	ND		ug/l	5.0	0.63
Diethyl phthalate	ND		ug/l	5.0	0.72
Dimethyl phthalate	ND		ug/l	5.0	1.4

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab ID: L1949198-01
Client ID: TI-GW-101819
Sample Location: 95 AMES ST., ROCHESTER, NY
Serial_No:10221913:10
Lab Number: L1949198
Report Date: 10/22/19
Date Collected: 10/18/19 15:00
Date Received: 10/18/19
Field Prep: Not Specified
Method Blank Analysis
Batch Quality Control
Analytical Method: 129.625.1
Analytical Date: 10/21/19 14:19
Analyst: EK
Extraction Method: EPA 625.1
Extraction Date: 10/19/19 05:19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1298231-1					
Benzo(a)anthracene	ND		ug/l	2.0	0.66
Benzo(a)pyrene	ND		ug/l	2.0	0.61
Benzo(b)fluoranthene	ND		ug/l	2.0	0.74
Benzo(k)fluoranthene	ND		ug/l	2.0	0.74
Chrysene	ND		ug/l	2.0	0.67
Acenaphthylene	ND		ug/l	2.0	0.93
Anthracene	ND		ug/l	2.0	0.79
Benzo(ghi)perylene	ND		ug/l	2.0	0.67
Fluorene	ND		ug/l	2.0	0.93
Phenanthrene	ND		ug/l	2.0	0.82
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.69
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.63
Pyrene	ND		ug/l	2.0	0.73
n-Nitrosodimethylamine ¹	ND		ug/l	2.0	0.41
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol ¹	ND		ug/l	2.0	0.53
2-Chlorophenol	ND		ug/l	2.0	0.51
2,4-Dichlorophenol	ND		ug/l	5.0	0.55
2,4-Dimethylphenol	ND		ug/l	5.0	0.85
2-Nitrophenol	ND		ug/l	5.0	0.60
4-Nitrophenol	ND		ug/l	10	0.83
2,4-Dinitrophenol	ND		ug/l	20	1.2
4,6-Dinitro-o-cresol	ND		ug/l	10	1.2
Pentachlorophenol	ND		ug/l	5.0	0.62
Phenol	ND		ug/l	5.0	0.26

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Analytical Method: 129.625.1
Analytical Date: 10/21/19 14:19
Analyst: EK
Serial_No:10221913:10
Lab Number: L1949198
Report Date: 10/22/19
Extraction Method: EPA 625.1
Extraction Date: 10/19/19 05:19
Method Blank Analysis
Batch Quality Control

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1298231-1					
Surrogate	%Recovery	Qualifier	Acceptance Criteria		
2-Fluorophenol	51		25-87		
Phenol-d6	35		16-65		
Nitrobenzene-d5	68		42-122		
2-Fluorobiphenyl	68		46-121		
2,4,6-Tribromophenol	84		45-128		
4-Terphenyl-d14	81		47-138		

Lab Control Sample Analysis

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab Number: L1949198
Report Date: 10/22/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	RPD	Qual	RPD	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1298231-2								
2,4-Dichlorophenol	77	-	53-122	-	-	-	-	50
2,4-Dimethylphenol	76	-	42-120	-	-	-	-	58
2-Nitrophenol	83	-	45-167	-	-	-	-	55
4-Nitrophenol	47	-	13-129	-	-	-	-	131
2,4-Dichlorophenol	82	-	1-173	-	-	-	-	132
4,6-Dinitro-o-cresol	88	-	56-130	-	-	-	-	203
Pentachlorophenol	84	-	38-152	-	-	-	-	86
Phenol	42	-	17-120	-	-	-	-	64

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56	-	-	-	25-97
Phenol-d6	38	-	-	-	16-66
Phenol-d5	43	-	-	-	42-120
2-Fluorobiphenyl	67	-	-	-	46-121
2,4,6-Trichlorophenol	97	-	-	-	45-128
4-Triphenyl-d14	76	-	-	-	47-138



Lab Control Sample Analysis

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab Number: L1949198
Report Date: 10/22/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	RPD	Qual	RPD	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1298231-2								
Acenaphthene	79	-	60-132	-	-	-	-	48
Benidine ¹	20	-	0-70	-	-	-	-	30
1,2,4-Trichlorobenzene	67	-	57-130	-	-	-	-	50
Hexachlorobenzene	86	-	8-142	-	-	-	-	55
Bis(2-chloroethyl)ether	73	-	43-126	-	-	-	-	108
2-Chloronaphthalene	74	-	65-120	-	-	-	-	24
3,3'-Dichlorobenzidine	39	-	8-213	-	-	-	-	108
2,4-Dinitrotoluene	88	-	48-127	-	-	-	-	42
2,6-Dinitrotoluene	81	-	68-137	-	-	-	-	48
Acbenzene ¹	87	-	44-115	-	-	-	-	23
Fluoranthene	80	-	43-121	-	-	-	-	66
4-Chlorophenyl phenyl ether	73	-	38-145	-	-	-	-	61
4-Bromophenyl phenyl ether	78	-	65-120	-	-	-	-	43
Bis(2-chloroisopropyl)ether	66	-	63-139	-	-	-	-	76
Bis(2-chloroethoxy)methane	72	-	48-165	-	-	-	-	54
Hexachlorobutadiene	62	-	38-120	-	-	-	-	62
Hexachlorocyclopentadiene ¹	62	-	7-118	-	-	-	-	35
Hexachloroethane	68	-	55-120	-	-	-	-	52
Isophorone	73	-	47-180	-	-	-	-	93
Naphthalene	75	-	36-120	-	-	-	-	65
Nitrobenzene	71	-	54-158	-	-	-	-	62
NUPADPA ¹	82	-	45-112	-	-	-	-	36
n-Nitrosodi-n-propylamine	72	-	14-198	-	-	-	-	87



Lab Control Sample Analysis

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab Number: L1949198
Report Date: 10/22/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	RPD	Qual	RPD	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1298231-2								
Bis(2-ethylhexyl)phthalate	99	-	29-137	-	-	-	-	82
Butyl benzyl phthalate	86	-	1-140	-	-	-	-	60
Di-n-butylphthalate	88	-	8-120	-	-	-	-	47
Di-n-octylphthalate	97	-	19-132	-	-	-	-	69
Diethyl phthalate	84	-	1-120	-	-	-	-	100
Dimethyl phthalate	75	-	1-120	-	-	-	-	183
Benzo[ghi]perylene	84	-	42-133	-	-	-	-	53
Benzo[a]anthracene	94	-	32-148	-	-	-	-	72
Benzo[b]fluoranthene	94	-	42-140	-	-	-	-	71
Benzo[k]fluoranthene	97	-	25-146	-	-	-	-	63
Chrysene	82	-	44-140	-	-	-	-	87
Acenaphthylene	76	-	54-126	-	-	-	-	74
Anthracene	83	-	43-120	-	-	-	-	66
Benzo[ghi]perylene	92	-	1-195	-	-	-	-	97
Fluorene	81	-	70-120	-	-	-	-	38
Phenanthrene	79	-	65-120	-	-	-	-	39
Dibenz[a,h]anthracene	87	-	1-200	-	-	-	-	126
Indeno[1,2,3-cd]pyrene	87	-	1-151	-	-	-	-	99
Pyrene	78	-	70-120	-	-	-	-	49
n-Nitrosodimethylamine ¹	45	-	15-68	-	-	-	-	17
2,4,6-Trichlorophenol	75	-	52-129	-	-	-	-	58
p-Chloro-m-creosol	83	-	68-130	-	-	-	-	73
2-Chlorophenol	79	-	36-120	-	-	-	-	61



PCBS



Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
SAMPLE RESULTS
Lab ID: L1949198-01
Client ID: TI-GW-101819
Sample Location: 95 AMES ST., ROCHESTER, NY
Date Collected: 10/18/19 15:00
Date Received: 10/18/19
Field Prep: Not Specified
Extraction Method: EPA 608.3
Extraction Date: 10/19/19 09:51
Cleanup Method: EPA 3665A
Cleanup Date: 10/19/19
Analytical Method: 127.608.3
Analytical Date: 10/21/19 01:41
Analyst: HT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.500	0.078	1	A
Aroclor 1221	ND		ug/l	0.500	0.110	1	A
Aroclor 1232	ND		ug/l	0.500	0.230	1	A
Aroclor 1242	ND		ug/l	0.500	0.181	1	A
Aroclor 1248	ND		ug/l	0.500	0.228	1	A
Aroclor 1254	ND		ug/l	0.500	0.084	1	A
Aroclor 1260	ND		ug/l	0.500	0.172	1	A
Surrogate			% Recovery	Qualifier	Acceptance Criteria		Column
2,4,5,6-Tetrachloro-m-xylene			67		37-123		A
Decachlorobiphenyl			64		38-114		A
2,4,5,6-Tetrachloro-m-xylene			69		37-123		B
Decachlorobiphenyl			68		38-114		B

Serial_No:10221913:10
Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Method Blank Analysis
Batch Quality Control
Extraction Method: EPA 608.3
Extraction Date: 10/19/19 09:51
Cleanup Method: EPA 3665A
Cleanup Date: 10/19/19
Analytical Method: 127.608.3
Analytical Date: 10/21/19 02:28
Analyst: HT

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1298279-1						
Aroclor 1016	ND		ug/l	0.050	0.008	A
Aroclor 1221	ND		ug/l	0.050	0.011	A
Aroclor 1232	ND		ug/l	0.050	0.023	A
Aroclor 1242	ND		ug/l	0.050	0.018	A
Aroclor 1248	ND		ug/l	0.050	0.023	A
Aroclor 1254	ND		ug/l	0.050	0.008	A
Aroclor 1260	ND		ug/l	0.050	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		37-123	A
Decachlorobiphenyl	47		38-114	A
2,4,5,6-Tetrachloro-m-xylene	56		37-123	B
Decachlorobiphenyl	51		38-114	B

Serial_No:10221913:10
Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab Control Sample Analysis
Batch Quality Control
Lab Number: L1949198
Report Date: 10/22/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD	Limit	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1298279-2										
Aroclor 1016	68		-		50-140	-		-	36	A
Aroclor 1260	67		-		8-140	-		-	36	A
Surrogate			LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene			63				37-123		37-123	A
2,4,5,6-Tetrachloro-m-xylene			63				38-114		38-114	A
Decachlorobiphenyl			51				37-123		37-123	B
							38-114		38-114	B

PESTICIDES

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
SAMPLE RESULTS
Lab ID: L1949198-01
Client ID: TI-GW-101819
Sample Location: 95 AMES ST., ROCHESTER, NY
Date Collected: 10/18/19 15:00
Date Received: 10/18/19
Field Prep: Not Specified
Extraction Method: EPA 608.3
Extraction Date: 10/19/19 04:48
Cleanup Method: EPA 3620B
Cleanup Date: 10/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.003	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.009	1	A
Heptachlor	ND		ug/l	0.020	0.005	1	A
Aldrin	ND		ug/l	0.020	0.005	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.007	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.017	1	A
Endrin ketone ¹	ND		ug/l	0.040	0.005	1	A
Dieldrin	0.426		ug/l	0.040	0.003	1	A
4,4'-DDE	ND		ug/l	0.040	0.003	1	A
4,4'-DDD	ND		ug/l	0.040	0.008	1	A
4,4'-DDT	ND		ug/l	0.040	0.008	1	A
Endosulfan I	ND		ug/l	0.020	0.008	1	A
Endosulfan II	ND		ug/l	0.040	0.003	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.017	1	A
Methoxychlor ¹	ND		ug/l	0.100	0.008	1	A
Toxaphene	ND		ug/l	0.400	0.126	1	A
Chlordane	ND		ug/l	0.200	0.042	1	A
cis-Chlordane ¹	ND		ug/l	0.020	0.005	1	A
trans-Chlordane ¹	ND		ug/l	0.020	0.008	1	A

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
SAMPLE RESULTS
Lab ID: L1949198-01
Client ID: TI-GW-101819
Sample Location: 95 AMES ST., ROCHESTER, NY
Date Collected: 10/18/19 15:00
Date Received: 10/18/19
Field Prep: Not Specified
Extraction Method: EPA 608.3
Extraction Date: 10/19/19 04:48
Cleanup Method: EPA 3620B
Cleanup Date: 10/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Surrogate							
2,4,5,6-Tetrachloro-m-xylene	81						47-124 A
Decachlorobiphenyl	53						32-167 A
2,4,5,6-Tetrachloro-m-xylene	89						47-124 B
Decachlorobiphenyl	79						32-167 B

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Method Blank Analysis
Batch Quality Control
Analytical Method: 127,608.3
Analytical Date: 10/21/19 09:47
Analyst: BM
Extraction Method: EPA 608.3
Extraction Date: 10/18/19 21:24
Cleanup Method: EPA 3620B
Cleanup Date: 10/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1298155-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.003	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.009	A
Heptachlor	ND		ug/l	0.020	0.005	A
Aldrin	ND		ug/l	0.020	0.005	A
Heptachlor epoxide	ND		ug/l	0.020	0.007	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin aldehyde	ND		ug/l	0.040	0.017	A
Endrin ketone ¹	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.003	A
4,4'-DDE	ND		ug/l	0.040	0.003	A
4,4'-DDD	ND		ug/l	0.040	0.008	A
4,4'-DDT	ND		ug/l	0.040	0.008	A
Endosulfan I	ND		ug/l	0.020	0.008	A
Endosulfan II	ND		ug/l	0.040	0.003	A
Endosulfan sulfate	ND		ug/l	0.040	0.017	A
Methoxychlor ¹	ND		ug/l	0.100	0.008	A
Toxaphene	ND		ug/l	0.400	0.126	A
Chlordane	ND		ug/l	0.200	0.042	A
cis-Chlordane ¹	ND		ug/l	0.020	0.005	A
trans-Chlordane ¹	ND		ug/l	0.020	0.008	A

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Method Blank Analysis
Batch Quality Control
Analytical Method: 127,608.3
Analytical Date: 10/21/19 09:47
Analyst: BM
Extraction Method: EPA 608.3
Extraction Date: 10/18/19 21:24
Cleanup Method: EPA 3620B
Cleanup Date: 10/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1298155-1						
Surrogate						
2,4,5,6-Tetrachloro-m-xylene	81					47-124 A
Decachlorobiphenyl	80					32-167 A
2,4,5,6-Tetrachloro-m-xylene	95					47-124 B
Decachlorobiphenyl	124					32-167 B

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab Control Sample Analysis
Batch Quality Control
Lab Number: L1949198
Report Date: 10/22/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1298155-2									
Delta-BHC	100		-		19-140	-		52	A
Endrin	103		-		32-140	-		39	A
Alpha-BHC	107		-		37-140	-		36	A
Beta-BHC	100		-		17-147	-		44	A
Heptachlor	75		-		34-140	-		43	A
Alrin	80		-		42-140	-		35	A
Heptachlor epoxide	96		-		37-142	-		26	A
Endrin	99		-		30-147	-		48	A
Endrin allehyde	77		-		30-150	-		30	A
Endrin ketone	96		-		30-150	-		30	A
Dieldrin	96		-		36-146	-		49	A
4,4'-DDE	86		-		30-145	-		35	A
4,4'-DDD	96		-		31-141	-		39	A
4,4'-DDT	101		-		25-160	-		42	A
Endosulfan I	86		-		45-153	-		28	A
Endosulfan II	98		-		1-202	-		53	A
Endosulfan sulfate	88		-		26-144	-		38	A
Methoxychlor	95		-		30-150	-		30	A
dis-Chlordane	80		-		45-140	-		35	A
trans-Chlordane	99		-		45-140	-		35	A

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab Control Sample Analysis
Batch Quality Control
Lab Number: L1949198
Report Date: 10/22/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1298155-2									
Surrogate									
2,4,5,6-Tetrachloro-m-xylene									A
Decachlorobiphenyl			85					47-124	A
4,4'-Dichloro-m-xylene			77					32-167	A
Decachlorobiphenyl			113					32-167	B

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
SAMPLE RESULTS
Lab ID: L1949198-01
Client ID: TI-GW-101819
Sample Location: 95 AMES ST., ROCHESTER, NY

Serial_No:10221913:10
Lab Number: L1949198
Report Date: 10/22/19
Date Collected: 10/18/19 15:00
Date Received: 10/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/21/19 10:51	10/21/19 19:21	EPA 3005A	3,200.8	AM
Arsenic, Total	0.00131		mg/l	0.00100	0.00016	1	10/21/19 10:51	10/21/19 19:21	EPA 3005A	3,200.8	AM
Beryllium, Total	ND		mg/l	0.00100	0.00010	1	10/21/19 10:51	10/21/19 19:21	EPA 3005A	3,200.8	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/21/19 10:51	10/21/19 19:21	EPA 3005A	3,200.8	AM
Chromium, Total	0.1185		mg/l	0.00100	0.00017	1	10/21/19 10:51	10/21/19 19:21	EPA 3005A	3,200.8	AM
Copper, Total	0.00785		mg/l	0.00100	0.00038	1	10/21/19 10:51	10/21/19 19:21	EPA 3005A	3,200.8	AM
Lead, Total	0.00210		mg/l	0.00100	0.00034	1	10/21/19 10:51	10/21/19 19:21	EPA 3005A	3,200.8	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/19/19 13:07	10/21/19 17:02	EPA 245.1	3,245.1	GD
Nickel, Total	0.00177	J	mg/l	0.00200	0.00055	1	10/21/19 10:51	10/21/19 19:21	EPA 3005A	3,200.8	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/21/19 10:51	10/21/19 19:21	EPA 3005A	3,200.8	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/21/19 10:51	10/21/19 19:21	EPA 3005A	3,200.8	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/21/19 10:51	10/21/19 19:21	EPA 3005A	3,200.8	AM
Zinc, Total	0.00824	J	mg/l	0.01000	0.00341	1	10/21/19 10:51	10/21/19 19:21	EPA 3005A	3,200.8	AM

METALS

Serial_No:10221913:10

Project Name: FORMER TAYLOR INSTRUMENTS-RARP

Project Number: 2161270.043

Lab Number: L1949198

Report Date: 10/22/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1298302-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	10/19/19 13:07	10/21/19 16:14	3.245.1	GD

Prep Information

Digestion Method: EPA 245.1

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1298637-1										
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/21/19 10:51	10/21/19 18:40	3.200.8	AM
Arsenic, Total	ND		mg/l	0.00100	0.00016	1	10/21/19 10:51	10/21/19 18:40	3.200.8	AM
Beryllium, Total	ND		mg/l	0.00100	0.00010	1	10/21/19 10:51	10/21/19 18:40	3.200.8	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/21/19 10:51	10/21/19 18:40	3.200.8	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	10/21/19 10:51	10/21/19 18:40	3.200.8	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/21/19 10:51	10/21/19 18:40	3.200.8	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/21/19 10:51	10/21/19 18:40	3.200.8	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/21/19 10:51	10/21/19 18:40	3.200.8	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/21/19 10:51	10/21/19 18:40	3.200.8	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/21/19 10:51	10/21/19 18:40	3.200.8	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/21/19 10:51	10/21/19 18:40	3.200.8	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/21/19 10:51	10/21/19 18:40	3.200.8	AM

Prep Information

Digestion Method: EPA 3005A

Serial_No:10221913:10

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab Number: L1949198
Report Date: 10/22/19

Parameter	LCS %Recovery	LCS Qual	LCSD %Recovery	LCSD Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1298302-2								
Mercury, Total	88	-	-	-	85-115	-	-	-
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1298637-2								
Antimony, Total	107	-	-	-	85-115	-	-	-
Arsenic, Total	110	-	-	-	85-115	-	-	-
Beryllium, Total	103	-	-	-	85-115	-	-	-
Cadmium, Total	112	-	-	-	85-115	-	-	-
Chromium, Total	102	-	-	-	85-115	-	-	-
Copper, Total	100	-	-	-	85-115	-	-	-
Lead, Total	113	-	-	-	85-115	-	-	-
Nickel, Total	102	-	-	-	85-115	-	-	-
Selenium, Total	111	-	-	-	85-115	-	-	-
Silver, Total	103	-	-	-	85-115	-	-	-
Thallium, Total	112	-	-	-	85-115	-	-	-
Zinc, Total	114	-	-	-	85-115	-	-	-

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER TAYLOR INSTRUMENTS-RARP

Project Number: 2161270.043

Lab Number: L1949198

Report Date: 10/22/19

Serial_No:10221913:10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1298302-3 QC Sample: L1947092-01 Client ID: MS Sample											
Mercury, Total	ND	0.005	0.0045	90	-	-	-	70-130	-	20	
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1298302-5 QC Sample: L1947541-01 Client ID: MS Sample											
Mercury, Total	ND	0.005	0.0042	85	-	-	-	70-130	-	20	
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1298637-3 QC Sample: L1948543-01 Client ID: MS Sample											
Antimony, Total	ND	0.5	0.4759	95	-	-	-	70-130	-	20	
Arsenic, Total	ND	0.12	0.1351	112	-	-	-	70-130	-	20	
Beryllium, Total	ND	0.05	0.05308	106	-	-	-	70-130	-	20	
Cadmium, Total	ND	0.051	0.05799	114	-	-	-	70-130	-	20	
Chromium, Total	ND	0.2	0.2035	102	-	-	-	70-130	-	20	
Copper, Total	0.000493	0.25	0.2566	103	-	-	-	70-130	-	20	
Lead, Total	ND	0.51	0.5868	115	-	-	-	70-130	-	20	
Nickel, Total	ND	0.5	0.5163	103	-	-	-	70-130	-	20	
Selenium, Total	ND	0.12	0.1385	115	-	-	-	70-130	-	20	
Silver, Total	ND	0.05	0.05260	105	-	-	-	70-130	-	20	
Thallium, Total	ND	0.12	0.1407	117	-	-	-	70-130	-	20	
Zinc, Total	0.00942J	0.5	0.5752	115	-	-	-	70-130	-	20	

Serial_No:10221913:10

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER TAYLOR INSTRUMENTS-RARP
Project Number: 2161270.043
Lab Number: L1949198
Report Date: 10/22/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1298302-4 QC Sample: L1947092-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1298302-6 QC Sample: L1947541-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1298637-4 QC Sample: L1948543-01 Client ID: DUP Sample						
Antimony, Total	ND	0.0047J	mg/l	NC	NC	20
Arsenic, Total	ND	ND	mg/l	NC	NC	20
Cadmium, Total	ND	ND	mg/l	NC	NC	20
Chromium, Total	ND	ND	mg/l	NC	NC	20
Copper, Total	0.00049J	0.00052J	mg/l	NC	NC	20
Lead, Total	ND	ND	mg/l	NC	NC	20
Nickel, Total	ND	ND	mg/l	NC	NC	20
Selenium, Total	ND	ND	mg/l	NC	NC	20
Silver, Total	ND	ND	mg/l	NC	NC	20
Zinc, Total	0.00942J	ND	mg/l	NC	NC	20

Sample Receipt and Container Information

Were project specific reporting limits specified?
YES

Cooler Information
Cooler A

Custody Seal
Absent

Container Information

Container ID

Container Type

Initial pH

Temp deg C

Pres

Seal

Frozen Date/Time

Analysis(*)

624.1(3)

624.1(3)

624.1(3)

CD-2008(180) NJ-2008(180) BE-2008(180) GR-2008(180) AS-2008(180) SE-2008(180) HG-1(28) AG-2008(180) CR-2008(180) PB-2008(180) SB-2008(180) TC-2008(180)

625.1(7)

625.1(7)

PESTICIDE-608-3(7)

PESTICIDE-608-3(7)

PESTICIDE-608-3(7)

NYPCB-608-2(17)

NYPCB-608-2(17)

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GLOSSARY

Acronyms

- DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
- EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
- EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
- EPA - Environmental Protection Agency.
- LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCSD - Laboratory Control Sample Duplicate: Refer to LCS.
- LFb - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
- LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
- MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
- MSD - Matrix Spike Sample Duplicate: Refer to MS.
- NA - Not Applicable.
- NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.
- NI - Not Ignitable.
- NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
- RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
- SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
- STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
- TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
- TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
- TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1.8260B). The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in bold.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Arcochlor. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G - The concentration may be biased high due to matrix interferences (i.e., co-elution) with non-target compound(s). The result should be considered estimated.
- H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I - The lower value for the two columns has been reported due to obvious interference.
- J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedances are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R - Analytical results are from sample re-analysis.
- RE - Analytical results are from sample re-extraction.
- S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

REFERENCES

- 3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.
- 127 Method 608.3: Organochlorine Pesticides and PCBs by GC/HSD, EPA 821-R-16-009, December 2016.
- 128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.
- 129 Method 625.1: Base/Neutrals and Acids by GC/MS, EPA 821-R-16-007, December 2016.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at its own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Pre-Qualtrax Document ID: 08-113

NEW YORK CHAIN OF CUSTODY		Sample Location Marine, NY 02038 38 Whiting Rd, Suite 8 Albany, NY 12205 14 Walker Way Tombston, NY 11970 275 Cooper Ave, Suite 105		Page 1 of 2		Alpha Job # 199419	
Client Information Client: LA BELLA ASSOCIATES Address: 300 STATE ST ROCKSTER, NY 14604 Phone: 585-457-6100 Email: scott@labella.com		Project Information Project Name: ROACHE PARK LANDSCAPE - RAMP Project Location: 45 WOOD ST, ROCKSTER, NY Project # : 2101210-043 (Use Project name as Project #) ☐ Project Manager: STEVE DAVIS ALPHAQuote #: Turn-around: Standard ☐ Rush (only if yes approved) ☒		Deliverables ☐ ASP-A ☐ EQUUS (1 File) ☐ Other		Disposal Information ☐ Same as Client Info ☒ P-4	
Container Code Container Code: 199419 A = Asker Class V = Vial G = Glass S = Seal C = Cap O = Other		Collection Date: 10/18/19 Time: 1500		Sample Matrix Initials: JKL		Disposal Site Information Please identify below location of applicable disposal facility: ☐ NY TDS ☐ AWD Standards ☐ NY Restricted Use ☐ NY Universal Use ☐ NYC Sewer Discharge	
Preservative Code Preservative Code: TE-GW-101819 A = HCl C = HNO ₃ G = Glass S = Seal C = Cap O = Other		Wastewater Certification No: MA015 Manifested Certification No: MA015		Container Type Preservative		Sample Specific Comments Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHAS TERMS & CONDITIONS. (See reverse side.)	
Relinquished By [Signature]		Date/Time 10/18/19 17:20		Received By [Signature]		Date/Time 10/19/19 17:20	

ATTACHMENT 3

PHOTOGRAPHS







ATTACHMENT 4

IMPORTED FILL INFORMATION



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 80 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Material meets requirements of DER-10 Section 5.5, no chemical testing needed.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

N/A

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Thomas Murphy - General Manager Valley Sand and Gravel

Location where fill was obtained:

Valley Sand and Gravel

Identification of any state or local approvals as a fill source:

NYSDEC Permitted mining facility

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Sieve Analysis, NYSDEC Permit

The information provided on this form is accurate and complete.

10/7/19

Signature

Date

John Lanz

Print Name

LaBella Associates

Firm



PERMIT
Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:

VALLEY SAND & GRAVEL INC
PO BOX 220 - 94 RIVER RD
SCOTTSVILLE, NY 14546-2816
(585) 889-3078

Facility:

AVON PLANT
RIVER RD - E SIDE & S OF ST RTE 5
CALEDONIA, NY 14423

Facility Location: in CALEDONIA in LIVINGSTON COUNTY

Facility Principal Reference Point: NYTM-E: 272.8 NYTM-N: 4756.2

Latitude: 42°55'28.5" Longitude: 77°47'02.3"

Project Location: River Rd. - South of State Route 5

Authorized Activity: Permit to mine unconsolidated material from a 75.9 acre permit term area within a 172.2 acre Life of Mine. Approved operations include washing, crushing and/or screening.

Permit Authorizations

Mined Land Reclamation - Under Article 23, Title 27

Permit ID 8-2422-00032/00001

(Mined Land ID 80321)

Renewal

Effective Date: 12/28/2015

Expiration Date: 12/27/2020

Modification # 1

Effective Date: 6/8/2018

Expiration Date: 12/27/2020

NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: THOMAS P HALEY, Deputy Regional Permit Administrator

Address: NYSDEC Region 8 Headquarters
6274 E Avon-Lima Rd
Avon, NY 14414

Authorized Signature: _____

Thomas P. Haley

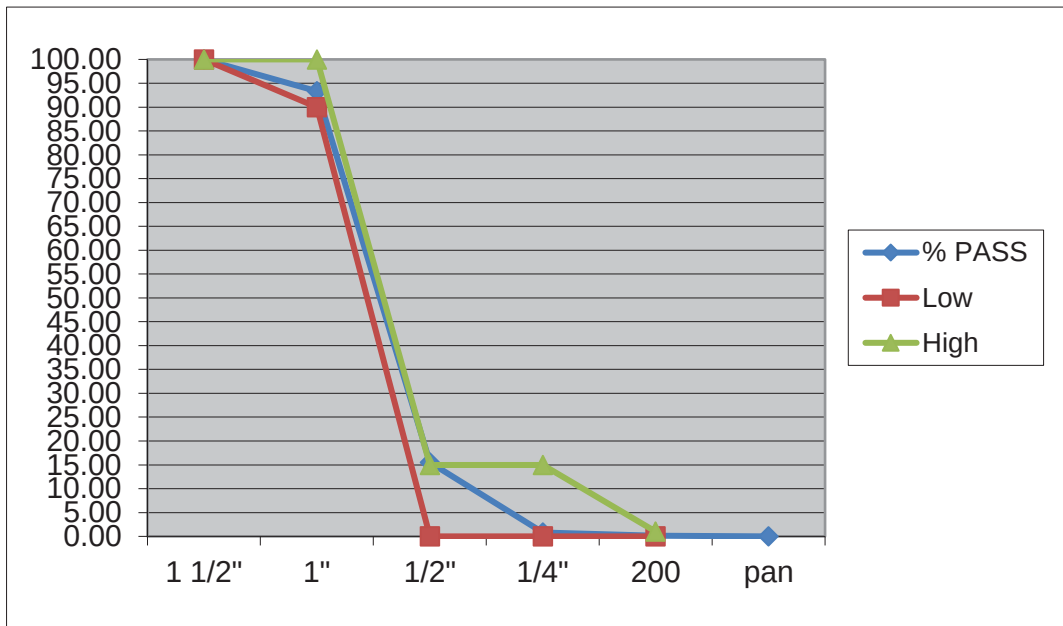
Date 6 / 8 / 2018

Distribution List

Dan Sek, NYSDEC - Minerals

Crushed #1/2 (PIPE BEDDING)
SCOTTSVILLE PIT
10-Oct-19

<u>US Sieve Sizes</u>	<u>Weight Retained</u>	<u>% Retained</u>	<u>% Passing</u>	<u>NYSDOT Specification</u>	
				Low	High
1 1/2"	0	0.00 %	100.00 %	100.00	100
1"	729.00	6.68 %	93.32 %	90.00	100
1/2"	8500.00	77.85 %	15.47 %	0.00	15
1/4"	1602.00	14.67 %	0.80 %	0.00	15
200	73.00	0.67	0.13	0.00	1
pan	14.40	0.13	0.00		
Total	10918.4				



Aldridge Electric INC.844 Rockland Road
Libertyville, IL 60048

Tel: (847) 247-5200

Fax: (847) 680-1034

LETTER OF TRANSMITTAL

TO: Randy Kieffer
Project Manager
Harlan Electric Co.
1213 Paxton Church Road
Harrisburg, PA 17110

DATE:	Tuesday, November 06, 2018
PROJECT:	RARP Project
CONTRACT NO:	
ATTENTION:	Randy Kieffer
RE:	Concrete Mix Designs - Lehigh Hanson
TRANSMITTAL #	20181106-001

WE ARE SENDING YOU
THE FOLLOWING ITEM(S):☒ ATTACHED☐ UNDER SEPARATE COVER VIA _____☐ SHOP DRAWINGS☐ PRINTS☐ PLANS☐ SAMPLES☐ SPECIFICATIONS☐ COPY OF LETTER☐ CHANGE ORD☐ Product Data

COPIES	DATE	NUMBER	DESCRIPTION
1	11/6/2018	20181106-001	Concrete Mix Designs - Lehigh Hanson

THESE ARE TRANSMITTED FOR REASON(S) CHECKED BELOW:

- | | | |
|--|---|--|
| ☐ FOR YOUR USE | ☐ APPROVED AS SUBMITTED | ☐ RE-SUBMIT ____ COPIES FOR APPROVAL |
| ☒ FOR APPROVAL | ☐ RETURNED FOR CORRECTIONS | ☐ SUBMIT ____ COPIES FOR DISTRIBUTION |
| ☐ AS REQUESTED | ☐ USED FOR CONSTRUCTION | ☐ RETURN ____ CORRECTED PRINTS |
| ☐ FOR REVIEW AND COMMENT | | ☐ _____ |
| ☐ FOR BIDS DUE _____ 20__ | | |

REMARKS:

Attached are the concrete mix designs Aldridge would like approved for the above mentioned project - provided by
Lehigh Hanson

COPIES TO:

Gary Keil
Brogan Faso

SIGNED: Chris Wittman

TITLE: Project Manager

October 25, 2018

Aldridge Electric
844 E. Rockland Road
Libertyville, IL 60048

Re: RGE Transmission Line Project, Monroe County, NY

Gentlemen:

The following are our proposed materials and mix design for the above project.

MATERIALS:

Cement—	Lehigh Cement., ASTM C-150, Type I/II, NYSDOT approved.
Fine Aggregate—	Natural sand processed by Hanson Aggregates, Inc., Victor, N.Y., ASTM C-33, NYSDOT approved source #4-10F.
Coarse Aggregate—	Crushed gravel processed by Hanson Aggregates NY, Inc., Batavia N.Y., ASTM C-33, NYSDOT approved source #4-58G1.
Air Entraining Agent	Darex II manufactured by GCP Applied Technology, ASTM C-260.
Water Reducing Agent—	Mira 62 manufactured by GCP Applied Technology, ASTM C-494, Type A. and F
High Range Water Reducer—	Adva 198 manufactured by GCP Applied Technology, ASTM C-494, Type A. and F

MIX DESIGNS:

	4500 PSI	4500 PSI
	Mix No. 4645001R	Mix No. 4445023R
Cement	660# (7.0 Bags)	660# (7.0 Bags)
Fine Aggregate	1250# (ssd)	1250# (ssd)
Coarse Aggregate	1650# (#1's)	1650# (#1's)
Mira 62 (*)	39.6 oz/yd	39.6 oz/yd
Adva 198 (*)	-----	13.2 oz/yd
Daratard 17 (*)	13.2 oz/yd	13.2 oz/yd
Darex II (*)	6.6 oz/yd	3.3 oz/yd
Water	280# +/-	280# +/-
Slump**	5.0" +/- 1.0"	7.0" +/- 1.0"
Air Content	6.0% +/- 1.0%	6.0% +/- 1.0%
Remarks	Dry Cassion	Wet Cassion

(*) Dosage may require adjustment to meet field conditions.

Aldridge Electric
Page 2.

Enclosed, please find copies of the following:

1. One Hanson Aggregates, Inc. statistical analyses covering our proposed mix designs with 7 and 28 day test results.
2. Hanson Aggregates, LLC. ASTM C-33 qualification test results on the fine and coarse aggregate.
3. GCP Applied Technologies product data sheets for MIRA 62, Darex II, Daratard 17 and Adva 198..
4. Lehigh Cement mill test report with chemical and physical analysis of the cement.
5. Western New York Ready Mix Producers concrete testing compliance letter.

In the unlikely event we need to change constituent materials to insure prompt quantitative deliveries to this project, we will do so at our discretion and substitute equitable materials in regards to cement, aggregates and admixtures.

Please order by mix number.

If we can be of any further assistance, please give us a call.

Respectfully Submitted,
Hanson Aggregates NY, LLC

Galen Stone
Quality Control Supervisor

Hanson Aggregates New York, Inc.

STATISTICAL ANALYSIS

Mix No. 4645001R & 4445023R

4500 PSI

25-Oct-18

DATE	(Truck) SLUMP	AIR CONTENT	CONCRETE Temp. (f)	AIR Temp. (f)	WET UNIT WEIGHT	7 DAY STRENGTH	28 DAY STRENGTH cyld 1	28 DAY STRENGTH cyld 2	28 DAY STRENGTH cyld 3	28 DAY AVERAGE STRENGTH	RUNNING AVG. of 3 (28 DAY STRENGTH)
8-Jan-16	4	6.2	73	22		2996	5268	5512		5390	
07-Apr-16	4	6.0	57	43	141.9	5211	5888	6111		6000	
04-May-16	4	5.1	63	50	142.6	5263	6709	7021		6865	6085
16-May-16	4 1/2	5.9	62	50		3950	4594	4747		4671	5845
23-May-16	3	6.2	69	50		4642	4639	4866		4753	5429
27-May-16	3 1/4	5.4	72	72	141.5	4621	5347	5254		5301	4908
08-Jun-16	5	5.8	68	55		4475	5015	5078		5047	5033
17-Jun-16	4 1/2	5.5	78	75		3909	5391	4976		5184	5177
20-Jun-16	5 1/4	5.4	82	86	142.5	4220	5244	5011		5128	5119
7-Jul-16	6 1/4	7	86	85	140	3742	4821	4995		4908	5073
1-Aug-16	4	6.6	78	68	138.9	4599	5391	5659		5525	5187
04-Aug-16	5	6.0	77	71	139.6	4130	4687	4850		4769	5067
10-Aug-16	4 3/4	5.7	80	81		4286	5084	5142		5113	5136
17-Aug-16	4 3/4	5	79	70	142	4504	4743	4971		4857	4913
20-Sep-16	4	5.8	75	74		4104	5469	5327		5398	5123
24-Oct-16	4	7.0	60	46		3916	5321	5005		5163	5139
26-Oct-16	4	6.1	68	37		4795	6325	6034		6180	5580
28-Oct-16	4 1/4	6.4	57	43		3769	5361	5265		5313	5552
29-Oct-16	4	5.7	60	47		4555	6290	6216		6253	5915
31-Oct-16	5	5.8	63	43		3673	5111	4943		5027	5531
01-Nov-16	4	5.1	67	52		4131	5010	5053		5032	5437
22-Nov-16	4 1/4	7	61	28	140.6	4453	6479	6336		6408	5489
23-Nov-16	3 1/2	6.6	64	34	141.4	4214	5590	5724		5657	5699
01-Dec-16	3 1/2	5.5	69	40	142.4	4417	5751	5535		5643	5903
9-Feb-17	4 1/2	5.9	60	16	139.3	4353	5967	5870		5919	5740
31-Mar-17	4 1/4	6.4	66	37		3659	4756	4598		4677	5413
10-Apr-17	3 1/2	6.4	67	65	140.1	3917	5206	5111		5159	5251
											3279
											1720
											0
											0
											0
COUNT:											
	27	27	27	27		27	27	27	0	27	
AVERAGE:											
	4.26	5.98	69	53		4241				5383	
STANDARD DEV.:											
	0.685	0.570	8.15	19.19		487				568	
RANGE (HIGH):											
RANGE (LOW)	6.3	7	86	86		5263				6865	
	3	5	57	16		2996				4671	

CONCRETE TEST REPORT SUMMARY

Mix No. 4645001R & 4445023R
4500 PSI

ACI 214 SUMMARY

Statistical Strength Summary

Average Strength based on	27	tests:	5383	psi
Overall Adjusted Standard Deviation:			568	psi
<i>Control is Fair</i>				
ACI 214 Minimum Recommended Strength:			5364	psi

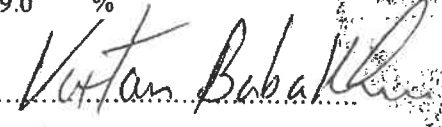
MATERIALS EVALUATION

Fine & Coarse Aggregates

Source:	Hanson @ Victor, New York Plant #444	Quality Control
	Natural Sand	
Type:	ASTM C-33	Report: 2017-444
Lab NO:	TS-Weekly-17	Date: 05-28-17
Date:	Received: 05-01-17	

ASTM METHOD	TEST DESCRIPTION	TEST RESULTS		ASTM C-33 Specification
		% Retained	% Passing	% Passing
C-136	3/8" (9.50 mm) Sieve	0	100	100
C-136	#4 (4.75 mm) Sieve	2	98	95-100
C-136	#8 (2.36 mm) Sieve	15	85	80-100
C-136	#16 (1.18 mm) Sieve	32	68	50-85
C-136	#30 (0.60 mm) Sieve	54	46	25-60
C-136	#50 (0.30 mm) Sieve	78	22	5-30
C-136	#100 (0.15 mm) Sieve	92	8	0-10
C-136	Fineness Modulus	2.73		2.3 - 3.1
C-117	Decant (- #200 Sieve Washed)	1.8	% Passing	5.0 % Max.
C-127	Relative Bulk Specific Gravity,	SSD	2.659	
C-127	Relative Bulk Specific Gravity,	DRY	2.622	
C-127	Absorption,		1.45	%
C-29	Unit Weight (Dry Rodded),		110.1	Lbs/Cu.Ft.
C-29	Unit Weight (Dry Loose),		102.8	Lbs/Cu.Ft.
C-29	Voids Content (Dry Rodded),		33.7	%
C-40	Organic Matter (P,F),	P		Liter Than #3
D-2419	Sand Equivalent Value,		84	
C-1252	Un Compacted Void Content (Method A)		44.0	%
C-88	Soundness by Sodium Sulfate (5 cycles),		5.3	% Loss 10.0 % Max.
C-88	Soundness by Magnesium Sulfate (5 cycles),		6.5	% Loss 15.0 % Max.
C-25	Calcium Carbonate	EQV,	1.0	%
C-25	Acid Insoluble Residue,		99.0	%

CC:
 Craig Green
 Quality Control Manager


 Vartan Babakhanian, PE, FACI
 Technical Services LAB Manager

MATERIALS EVALUATION

Fine & Coarse Aggregates

Source:	Hanson @ Clarendon, New York Plant #462			Quality Control	
	(Size CA-1)				
Type:	ASTM #7(1/2"-#8) Crushed Lime Stone			Report: 2017-462	
Lab NO:	TS-Weekly-17			Date: 05-28-17	
Date:	Received: 04-01-17				
ASTM METHOD	TEST DESCRIPTION	TEST RESULTS		ASTM C-33 Specification	New York DOT Specification
C-136	1-1/2" Sieve	100	% Passing	100	(Size CA-1)
C-136	1" Sieve	100	% Passing	100	100
C-136	3/4" Sieve	100	% Passing	-----	-----
C-136	1/2" Sieve	93	% Passing	90-100	90-100
C-136	3/8" Sieve	46	% Passing	40-70	-----
C-136	1/4" Sieve	5	% Passing	-----	0-15
C-136	#4 Sieve	2	% Passing	5-10	-----
C-136	#8 Sieve	1	% Passing	0-5	-----
C-117	Decant, (- #200 Sieve Washed)	0.8	% Passing	1.0% Max.	1.0 Max
C-127	Relative Bulk Specific Gravity,	SSD	2.745		
C-127	Relative Bulk Specific Gravity,	DRY	2.727		
C-127	Absorption,		0.9 %		
C-29	Unit Weight (Dry Rodded),		97.4	Lbs/Cu.Ft.	
C-29	Unit Weight (Dry Loose),		86.8	Lbs/Cu.Ft.	
C-29	Voids Content (Dry Rodded),		39.5	%	
C-131	L.A. Abrasion,		28.2	% Loss	50% Max.
D-6928	Micro Deval,		11.2	% Loss	
C-88	Soundness by Sodium Sulfate (5 cycles),		3.10	% Loss	12% Max.
C-88	Soundness by Magnesium Sulfate (5 cycles),		3.60	% Loss	18% Max.
C-123	Light Weight Pieces,		0.01	%	0.5% Max.
C-142	Clay Lumps and Friable Particles,		0.1	%	3.0% Max.
C-25	Calcium Carbonate EQV,		97.0	%	
C-25	Acid Insoluble Residue,		3.0	%	

CC:
 Craig Green
 Quality Control Manager


 Vartan Babakhanian, PE, FACI
 Technical Services LAB Manager

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Date: 1/8/2018

Craig Green
Hanson Aggregates
6895 Ellicott St.
Pavilion, NEW YORK 14525

Project Name: Product Certification
Product Selected: MIRA® 62

This is to certify that **MIRA 62**, a **Mid-Range Water Reducer**, as manufactured and supplied by GCP Applied Technologies Inc., is formulated to comply with the Specifications for Chemical Admixtures for Concrete, ASTM: **C494, Type A, F**, AASHTO: **M194, Type A, F**.

MIRA 62 does not contain calcium chloride or chloride containing compounds as a functional ingredient. Chloride ions may be present in trace amounts contributed from the process water used in manufacturing.



Robert J. Hoopes
Product Development Engineer

MIRA® 62

Water-reducing and mid-range water-reducing admixture — ASTM C494 Type A and Type F

Product Description



MIRA® 62 is a linear dose water-reducing and mid-range water-reducing admixture, manufactured under rigorous quality control to ensure

uniform, predictable performance. MIRA 62 does not contain added calcium chloride. MIRA 62 weighs approximately 8.8 lbs/gal (1.06 kg/L) and meets the requirements of ASTM C494 Type A and F.

MIRA 62 admixture is developed to deliver superior water reduction at typical water reducer and mid-range water reducer dosage rates by dispersing cement agglomerates more efficiently within the concrete matrix. The superior dispersion capability of MIRA 62 produces concrete with significantly improved early and ultimate compressive strength while maintaining near neutral set times even in lower temperatures. The linear dose water reduction capability of MIRA 62 also produces less permeable, more durable concrete.

Uses

MIRA 62 is recommended for use with a wide range of concrete slumps including 3 to 8 in. (75 to 200 mm) where superior finishing characteristics is desired, particularly in commercial and residential flatwork, and formed concrete applications.

MIRA 62 may be used in a wide variety of applications, including ready mix, job site, and concrete paving plants for normal and lightweight concrete, and in block and precast products.

Advantages

MIRA 62 offers significant advantages over conventional water reducers:

- **Linear water reduction capability**
The neutral set capability of MIRA 62 throughout a wide range of dosage rates allows the producer to have “peace of mind” by knowing they can utilize a single admixture to meet all their water reducer and mid-range water reducer needs and requirements. The versatile water reduction capability of MIRA 62 may be used to produce high quality, workable concrete over a wide range of water/cement ratios.
- **Superior strength performance**
The superior water reduction properties (up to 15%) and excellent dispersion characteristics allow the production of lower water to cement ratio concrete, with more complete cement hydration. This combined effect results in increased compressive and flexural strengths at all ages.

Product Advantages

- Linear water reduction
- Superior strength performance
- Neutral set times
- Superior workability and finishability
- Improved performance with pozzolans



- **Neutral set times**

With MIRA 62 concrete, neutral setting times can be maintained over a wide range of dosage rates and temperature conditions.

- **Superior workability and finishability**

The exceptional water-reducing performance allows for concrete production at 3 to 8 in. (75 to 200 mm) slumps, providing smooth flowing concrete with improved placement properties. Formulated with proven finishing enhancing components, MIRA 62 controls bleeding while bringing the mortar to the surface. Floating and troweling, by machine or by hand, easily imparts a smooth, close tolerance surface with less machine time and labor.

- **Improved performance for use with pozzolans**

MIRA 62 improves the quality of lean, harsh concrete mixes, and concrete that contains fly ash (both Class C and Class F) and GGBF slag, delivering superior workability, finishability and pumpability. The neutral set characteristics allow incremental cement replacement with pozzolans.

Finishability

Finishers have stated that the cement paste or mortar in MIRA 62 concrete has improved trowelability. Floating or troweling by hand or machine imparts a smooth, close tolerance surface.

Addition Rates

Addition rate may be varied to achieve the desired water reduction and set time. Typically, addition rates range from 2.5–15 fl oz/100 lbs (160–1000 mL/100 kg) of cementitious materials. Addition rates may vary depending on materials, job conditions and desired performance characteristics. Please consult your Grace Construction Products representative for information and assistance.

Compatibility with Other Admixtures and Batch Sequencing

MIRA 62 is compatible with most Grace admixtures as long as they are added separately to the concrete mix, usually through the water holding tank discharge line. However MIRA 62 is not recommended for use in concrete containing naphthalene-based admixtures including Daracem® 19 and Daracem 100, and melamine-based admixtures including Daracem ML 330 and Daracem 65.

In general, it is recommended that MIRA 62 be added to the concrete mix near the end of the batch sequence for optimum performance. Please see Grace Technical Bulletin TB-0110, *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations. For optimum performance, MIRA 62 should not come in contact with any other admixture before or during the batching process, even if diluted in mix water. Different sequencing may be used if local testing shows better performance.

Pretesting of the concrete mix should be performed before use, and as conditions and materials change in order to assure compatibility, and to optimize dosage rates, addition times in the batch sequencing and concrete performance. For concrete that requires air entrainment, the use of an ASTM C260 air-entraining agent (such as Daravair® or Darex® product lines) is recommended to provide suitable air void parameters for freeze-thaw resistance. Please consult your Grace representative for guidance.

Packaging & Handling

MIRA 62 is available in bulk, delivered by metered tank trucks and 55 gal (210 L) drums. MIRA 62 will begin to freeze at approximately 25°F (-4°C) but will return to full strength after thawing and thorough agitation. In storage and for proper dispensing, the temperature of MIRA 62 should be maintained above 32°F (0°C).

Dispensing Equipment

A complete line of accurate, automatic dispensing equipment is available.

Specifications

Concrete shall be designed in accordance with *Standard Recommended Practice for Selecting Proportions for Concrete*, ACI 211.

The mid-range water-reducing admixture shall be MIRA 62 as manufactured by Grace Construction Products, or its equivalent. It shall be manufactured to meet all the requirements of *Specification for Chemical Admixtures for Concrete*, ASTM Designation C494 as a Type A and Type F admixture.

The admixture shall be delivered as a ready-to-use, liquid product and shall not require mixing at the batching plant or job site. The admixture shall not contain added calcium chloride. It shall be used in strict accordance with manufacturers' recommendations.

www.graceconstruction.com

North American Customer Service: 1-877-4AD-MIX1 (1-877-423-6491)

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Date: 1/8/2018

**Craig Green
Hanson Aggregates
6895 Ellicott St.
Pavilion, NEW YORK 14525**

**Project Name: Product Certification
Product Selected: Darex® II AEA**

This is to certify that **Darex II AEA**, a **Air Entraining Agent**, as manufactured and supplied by GCP Applied Technologies Inc., is formulated to comply with the Specifications for Chemical Admixtures for Concrete, ASTM: **C260**, AASHTO: **M154**.

Darex II AEA does not contain calcium chloride or chloride containing compounds as a functional ingredient. Chloride ions may be present in trace amounts contributed from the process water used in manufacturing.



Robert J. Hoopes
Product Development Engineer

DAREX® II AEA Air-entraining admixture ASTM C260

Product Description

Darex® II AEA is an air-entraining admixture which generates a highly stable air void system for increased protection against damage from freezing and thawing, severe weathering, or de-icer chemicals. Darex II AEA is a complex mixture of organic acid salts in an aqueous solution specifically formulated for use as an air-entraining admixture for concrete and is manufactured under rigid control which provides uniform, predictable performance. It is supplied ready-to-use and does not require pre-mixing with water. Darex II AEA is a dark brown liquid. One gallon weighs 8.7 lbs (1.04 kg/L). Darex II AEA complies to ASTM C260 *Standard Specifications for Air-Entraining Admixtures for Concrete*.

Uses

Darex II AEA is used in ready-mix, block, and concrete products plants to improve air entrainment stability. It is particularly effective in maintaining air content during longer haul times. Darex II AEA performs well in

conventional concrete and is effective in plasticizing mixes and with slag, lightweight, or manufactured aggregates which tend to produce harsh concrete.

Darex II AEA entrains air effectively with microsilica concrete and with fly ash concrete.

Performance

By agitation of concrete mixers, Darex II AEA disperses and generates millions of discrete semi-microscopic bubbles throughout the concrete composite. Once thoroughly mixed, the concrete contains a stable network of bubbles which act much like ball bearings increasing mobility, or plasticity, of the concrete. This aids workability to the mix and permits a reduction of water with no loss of slump. Placeability is improved. Bleeding, segregation and green shrinkage are minimized.

Through the purposeful entrainment of air, Darex II AEA markedly increases the durability of concrete to all exposures.

Product Advantages

- Air stability makes it particularly useful for longer transit times
- Produces excellent air void systems in concretes that are traditionally difficult to air entrain



Addition Rates

There is no standard addition rate for Darex II AEA. The amount to be used will depend upon the amount of air required under job conditions, usually in the range of 4 to 7%. Typical factors which might influence the amount of air entrained are temperature, cement, sand gradation, and use of extra fine materials such as fly ash. Typical Darex II AEA addition rates generally range from ½ to 5 fl oz/100 lbs (30 to 320 mL/100 kg) of cement.

The air-entraining efficiency of Darex II AEA becomes even greater when used with water-reducing and set-retarding agents. This may allow a reduction of up to ⅔ in the amount of Darex II AEA required for the specified air content.

Mix Adjustment

Entrained air results in increased yields with a consequent decrease in the cement content of the placed concrete. This condition calls for a mix adjustment, usually accomplished by reducing the fine aggregate content. This is in addition to the reduction in water content brought about by the increase in plasticity.

Compatibility with Other Admixtures and Batch Sequencing

Darex II AEA is compatible with most Grace admixtures as long as they are added separately to the concrete mix. In general, it is recommended that Darex II AEA be added to the concrete mix near the beginning of the batch sequence for optimum performance, preferably by “dribbling” on the sand. Different sequencing may be used if local testing shows better performance. Please see Grace Technical Bulletin TB-0110, *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations. Darex II AEA should not be added directly to heated water.

Pretesting of the concrete mix should be performed before use, and as conditions and materials change in order to assure compatibility, and to optimize dosage rates, addition times in the batch sequencing and concrete performance. Please consult your Grace representative for guidance.

Packaging & Handling

Darex II AEA is available in bulk, delivered by metered tank trucks, totes and drums.

Darex II AEA will freeze at about 30°F (-1°C), but its air-entraining properties are completely restored by thawing and thorough mechanical agitation.

Dispensing Equipment

A complete line of accurate dispensing equipment is available. These dispensers can be located to discharge into the water line, the mixer, or on the sand.

Specifications

Concrete shall be air entrained concrete, containing 4 to 7% entrained air. The air contents in the concrete shall be determined by the pressure method (ASTM Designation C231), gravimetric method (ASTM Designation C138) or volume metric method (ASTM Designation C173). The air-entraining admixture shall be Darex II AEA as manufactured by Grace Construction Products, or equal. The air-entraining admixture shall be added at the concrete mixer or batching plant at approximately ½ to 5 fl oz/100 lbs (30 to 320 mL/100 kg) of cement, or in such quantities as to give the specified air contents.

www.graceconstruction.com

North American Customer Service: 1-877-4AD-MIX1 (1-877-423-6491)

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Date: 1/8/2018

Craig Green
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6895 Ellicott St.
Pavilion, NEW YORK 14525

Project Name: Product Certification
Product Selected: Daratard® 17

This is to certify that **Daratard 17**, a **Retarder**, as manufactured and supplied by GCP Applied Technologies Inc., is formulated to comply with the Specifications for Chemical Admixtures for Concrete, ASTM: **C494, Type D**, AASHTO: **M194, Type D**.

Daratard 17 does not contain calcium chloride or chloride containing compounds as a functional ingredient. Chloride ions may be present in trace amounts contributed from the process water used in manufacturing.



Robert J. Hoopes
Product Development Engineer

DARATARD® 17 Set retarding admixture

ASTM C494 Type B and D

Product Description

Daratard® 17 admixture is a ready-to-use aqueous solution of hydroxylated organic compounds. Ingredients are factory pre-mixed in exact proportions to minimize handling, eliminate mistakes and guesswork. Daratard 17 admixture weighs approximately 10.2 lbs/gal (1.17 kg/L).

Uses

Daratard 17 retards the initial and final set of concrete. At the usual addition rate of 3 fl oz/100 lbs (195 mL/100 kg) cement, it will extend the initial setting time of Portland cement concrete by 2 to 3 hours at 70°F (21°C). Daratard 17 is used wherever a delay in setting time will insure sufficient delivery, placement, vibration or compaction time, such as in:

- Hot weather concreting
- Transit mix concrete
- Prestressed concrete

Daratard 17 is also used in special applications, as in bridge decks where it extends plastic characteristics of the concrete until progressive deflection resulting from increasing loads is completed.

Addition Rates

Addition rates for Daratard 17 will range from 2 to 8 fl oz/100 lbs (130 to 520 mL/100 kg) of cement. The amount to be used will depend upon the degree of retardation required under job conditions. Longer setting times or higher temperatures will require higher addition rates. Conversely, the addition rate will be lower for shorter extensions of time.

Compatibility with Other Admixtures and Batch Sequencing

Daratard 17 is compatible with most Grace admixtures as long as they are added separately to the concrete mix, usually through the water holding tank discharge line. In general, it is recommended that Daratard 17 be added to the concrete mix near the beginning of the batch sequence but after the cement and water is combined for optimum performance.

Different sequencing may be used if local testing shows better performance. Please see Grace Technical Bulletin TB-0110, *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations. Daratard 17

Product Advantages

- Provides ≥5% water reduction
- Increases compressive strengths and reduces permeability
- Delays time of set to accommodate long haul times, or facilitate placement and finishing during hot weather concreting



should not come in contact with any other admixture before or during the batching process, even if diluted in mix water.

Pretesting of the concrete mix should be performed before use, and as conditions and materials change in order to assure compatibility, and to optimize dosage rates, addition times in the batch sequencing and concrete performance. For concrete that requires air entrainment, the use of an ASTM C260 air-entraining agent (such as Daravair® or Darex® product lines) is recommended to provide suitable air void parameters for freeze-thaw resistance. Please consult your Grace representative for guidance.

Packaging & Handling

Daratard 17 is available in bulk, delivered by metered tank trucks, and 55 gal (210 L) drums. Daratard 17 will freeze at about 28°F (-2°C), but will return to full strength after thawing and thorough agitation.

Dispensing Equipment

A complete line of accurate, automatic dispensing equipment is available. Daratard 17 may be introduced to the mix with the sand or with the water.

Specifications

Concrete shall be designed in accordance with *Standard Recommended Practice for Selecting Proportions for Concrete*, ACI 211.1.

The set-retarding/water-reducing admixture shall comply with ASTM Designation C494, Type D admixture, and shall be Daratard 17, as manufactured by Grace Construction Products, or equal. Certification of compliance shall be made available on request. It shall be used in strict accordance with the manufacturers' recommendations.

The addition rate shall be adjusted to produce the specified retardation of the concrete mix at all temperatures.

www.graceconstruction.com

North American Customer Service: 1-877-4AD-MIX1 (1-877-423-6491)

Daratard, Daravair and Darex are registered trademarks of W. R. Grace & Co.—Conn.

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Date: 1/8/2018

Craig Green
Hanson Aggregates
6895 Ellicott St.
Pavilion, NEW YORK 14525

Project Name: **Product Certification**
Product Selected: **ADVA® 198**

This is to certify that **ADVA® 198**, a **High Range Water Reducer**, as manufactured and supplied by GCP Applied Technologies Inc., is formulated to comply with the Specifications for Chemical Admixtures for Concrete, ASTM: **C494 Type A, F** and **ASTM C1017**, AASHTO: **M194, Type A, F**.

ADVA® 198 does not contain calcium chloride or chloride containing compounds as a functional ingredient. Chloride ions may be present in trace amounts contributed from the process water used in manufacturing.



Robert J. Hoopes
Product Development Engineer

ADVA® 198

High-range water-reducing admixture ASTM C494 Type A and F

Product Description

ADVA® 198 superplasticizer is a polycarboxylate-based high-range water-reducing admixture specifically formulated to meet the needs of the concrete industry. It is a low viscosity liquid, which has been formulated by the manufacturer for use as received.

ADVA® 198 superplasticizer is manufactured under closely controlled conditions to provide uniform, predictable performance and is formulated to comply with specifications for Chemical Admixtures for Concrete, ASTM Designation C494 as a Type A and F admixture. The product does not contain intentionally added calcium chloride. One gallon weighs approximately 9.0 lbs (1.1 kg/L).

Uses

ADVA® 198 superplasticizer produces concrete with extremely workable characteristics referred to as high slump. It also allows concrete to be produced with very low water/cement ratios for high strength.

While ADVA® 198 superplasticizer is ideal for use in any concrete where it is desired to minimize the water/cementitious ratio yet maintain workability, it is primarily intended for use in ready-mix concrete, but may also be used in other applications such as precast concrete and self-consolidating concrete.

Product Advantages

- Highly efficient, producing high slump concrete at very low dosages
- Provides a combination of slump life with near neutral set time
- Consistent air entrainment
- Consistent performance across cement chemistries
- Concrete finishes easily without stickiness, spotty set or tearing

Addition Rates

ADVA® 198 superplasticizer addition rates can vary with type of application, but will normally range from 2 to 15 fl oz/100 lbs (130 to 980 mL/100 kg) of cementitious. In most instances, the addition of 3 to 6 fl oz/100 lbs (195 to 375 mL/100 kg) of cementitious will be sufficient. At a given water/cementitious ratio, the slump required for placement can be controlled by varying the addition rate. Should conditions require using more than the recommended addition rates, please consult your GCP representative.

ADVA® 198 superplasticizer dosage requirements may also be affected by mix design, cementitious content and aggregate gradations. Please consult with your GCP Applied Technologies representative for more information and assistance.

Compatibility with Other Admixtures and Batch Sequencing

ADVA® 198 superplasticizer is compatible with most GCP admixtures as long as they are added separately to the concrete mix.



However, ADVA® products are not recommended for use in concrete containing naphthalene-based admixtures including Daracem® 19 and Daracem® 100. In general, it is recommended that ADVA® 198 superplasticizer be added to the concrete mix near the end of the batch sequence for optimum performance. Different sequencing may be used if local testing shows better performance. Please see GCP Technical Bulletin TB-0110, *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations. The product should not come in contact with any other admixture before or during batching.

Pretesting of the concrete mix should be performed before use and as conditions and materials change in order to assure compatibility with other admixtures, and to optimize dosage rates, addition times in the batch sequencing and concrete performance. For concrete that requires air entrainment, the use of an ASTM C260 airentraining agent (such as Daravair® or Darex® product lines) is recommended to provide suitable air void parameters for freeze-thaw resistance. Please consult your GCP representative for guidance.

Packaging & Handling

ADVA® 198 superplasticizer is available in bulk, delivered by metered tank trucks, in 275 gal (1040 L) totes, and in 55 gal (208 L) drums.

It will begin to freeze at approximately 32°F (0°C), but will return to full strength after thawing and thorough agitation. In storage, and for proper dispensing, ADVA® 198 superplasticizer should be maintained at temperatures above 32°F (0°C).

Dispensing Equipment

A complete line of accurate, automatic dispensing equipment is available.

gcpat.com | North America customer service: 1-877-4AD-MIX (1-877-423-6491)

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

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gcpat.com/solutions/products/adva-high-range-water-reducers/adva-198



LEHIGH

HEIDELBERGCEMENT Group

Mill Test Certificate Report

Type: II ASTM

Grind Number: April-18

Test Period: 04-08-18
to: 04-28-18

Certification

Lehigh Cement Company, LLC certifies that at time of shipment, the portland cement designated as Type II manufactured at the Picton, Ontario plant conforms to the standard composition and physical requirements of the current Standard Specification for Portland Cement of ASTM C 150 for Type II portland cement. This certification carries no other express or implied warranties and Lehigh Cement Company LLC, is not responsible for improper use or workmanship of the described cement.

General Information

Supplier:	Lehigh Cement Company LLC	Source Location: Picton Plant
Address:	1370 Highway 49 South Picton, ON, K0K 2T0	Contact: Mike Stanzel
Telephone:	613-476-3233	1-226-868-4422

Test Data on ASTM "Standard" Requirements

Chemical Requirements (ASTM C-150, Table 1)				Physical Requirements (ASTM C-150, Table 3)		
Item	Limit	Results		Item	Limit	Results
SiO ₂	A	21.60		Fineness:		
Al ₂ O ₃	6.0 Max	4.64		% Retained 45µm (No. 325)	A	3.47
Fe ₂ O ₃	6.0 Max	3.41		Blaine Fineness (m ² /Kg)	260 min	359
CaO	A	63.76				
MgO	6.0 max	2.07		Autoclave Expansion (%)	0.8 max	-0.01
SO ₃	D	3.20		Vicat Setting Time:		
Loss on Ignition	3.5 max	1.87		Initial Set (minutes)	45 min	139
Na ₂ O	A	0.17		Normal Consistency		25.2
K ₂ O	A	0.65		Air Content (%)	12 max	7.4
Insoluble Residue	1.5 max	-				
CO ₂	A	1.22		Compressive Strengths Mpa:		
Limestone %	5.0 max	3.26		1-Day	A	15.05
CaCO ₃ in Limestone	70% Min	85.6		3-Day	10.0 min	24.81
				7-Day	17.0 min	33.05
Potential Compounds:		Adjusted	Base	28-Day	A	45.80
C ₃ S	A	43.20	44.62			
C ₂ S	A	28.27	29.27	Compressive Strengths, PSI:		
C ₃ A	8 max	6.39	6.60	1-Day	A	2182
C ₄ AF	A	10.22	10.56	3-Day	1450 min	3598
C ₃ S+4.75*C ₃ A	<100	74		7-Day	2470 min	4792
				28-Day	A	6641
				Mortar Bar Expansion, C-1038, %	Max 0.020	-0.004

Test Data on ASTM Optional Requirement

Chemical Requirements (ASTM C-150, Table 2)			Physical Requirements (ASTM C-150, Table 4)		
Item	Limit	Results	Item	Limit	Result
Equivalent Alkalies	0.6 max	0.60	False Set	Min 50	86
Cl		0.004	Heat of Hydration, 3-day C-1702, cal/g (2/17)		355.22

Notes

Footnotes: A: no limit applicable SG=3.15
D: if SO₃ exceeds 3.0%, C-1038 shall not be more than 0.020%

June 18, 2018
Date


Quality Control Manager:

Western New York Ready Mix Producers

Lafarge A & C	United Materials LLC	Hanson Aggregates NY, LLC
Manitou Concrete	Northrup Materials	Cleason Concrete
	American Concrete	
	Great Lakes Concrete Products LLC	

Dear Sir or Madam:

We are confident you agree that compliance with accepted standards and codes is a critical issue in quality assurance and maintaining public safety in today's climate of corporate legal liability. Strict adherence to industry accepted construction standards and codes will protect owners, builders, engineers and suppliers and are not optional requirements.

As our industry continues to evolve, we have been required to make investments in equipment, R & D and quality assurance in order to comply with revisions to the building codes, meet increased expectations of project owners and to take advantage of current technology. As we have undertaken this transition, we have directed our efforts on maintaining compliance with the appropriate standards and specifications in order to ensure performance of our products. As ready mix producers, we are concerned about the impact of continued deviations from nationally accepted testing standards and codes and in accordance with ACI we cannot accept responsibility for the consequences associated with these non-conforming practices.

We assure the quality of our products only when tested in strict compliance with the agreed upon standards. As stipulated in ACI 301, results from tests which are not in compliance with the agreed upon standards are not valid in determining the acceptability of our products.

"ACI 301-10 1.6.5.1 - *Evaluation is valid only if tests have been conducted in accordance with procedures specified.*"

We bring this to your attention as a result of the recent changes to the Building Code of New York State. As stated in 19 NYCRR 1221 - Building Code of New York State (BCNYS) Structural Tests and Special Inspections "The project owner or the RDP acting as the owner's agent is responsible for employing the SI." It is our intention to inform and assist you, utilizing the attached checklist, when we observe and document non-conforming testing procedures. Thus, corrective measures can be implemented expeditiously and validity of the test results can be restored. We encourage you to review the checklist with all appropriate parties to insure the validity of the test results being provided.

Finally, we ask that you specifically enforce ACI 318-11, Section 5.6.1 whereby all reports of acceptance testing of the concrete are required to be provided to all parties, including the concrete producer, in a timely manner. Given this information we can react quickly before a problem develops into a major concern.

If we can be of any assistance, or if you would like further information, please do not hesitate to contact us. We are confident that we can work cooperatively to continue to raise the standard of professionalism of our industry.

Sincerely,
Hanson Aggregates New York, LLC

READY MIX CONCRETE INSPECTION CHECKLIST

Project: _____
Testing Agency: _____
Technician's Name: _____

Date: _____
Mix Code: _____

Testing performed by ACI Certified Personnel

(Certification status can be verified at http://www.concrete.org/certification/cert_search.asp)

Sampling in accordance with ASTM C-172

NCDD noted _____

Slump test in accordance with ASTM C-143

NCDD noted _____

Air test in accordance with ASTM C-231 or C-173

NCDD noted _____

Cylinders cast in accordance with ASTM C-31

NCDD noted _____

Single use Molds Re-Used ASTM C-470

NCDD noted _____

Is Power (110V outlet) available for the laboratories use?

Specimens stored in temperature controlled curing box?

Min/Max thermometer used in curing box?

Were photographs taken?

NOTE: As stipulated in ACI 301, results from tests which are not in compliance with the agreed upon standards are not valid in determining the acceptability of our products. To be a valid test, the following procedures and others stated by ASTM C-31 **MUST** be adhered to.

"Specimens will be stored on-site for initial curing 60-80 degrees (68-78 for 6000 psi+) with protection from moisture loss. Specimens will be transported to lab with protection from moisture loss. Specimens will be cured until specific test age at proper temperature and moisture conditions."

ASTM C31 - 11.1 "Prior to transporting, cure and protect the specimens as required in Section 10. Specimens shall not be transported until at least 8 h after final set. . During transporting, protect the specimens with suitable cushioning material to prevent damage from jarring. During cold weather, protect the specimens from freezing with suitable insulation material. Prevent moisture loss during transportation by wrapping the specimens in plastic, wet burlap, by surrounding them with wet sand, or tight fitting plastic caps."

ADDITIONAL NOTES / COMMENTS:

Who was notified of these observations on site?

Inspection Agency

Contractor

Engineer

Prepared by:

Preparer's Signature:

 Date:

Lehigh Hanson
HEIDELBERGCEMENT Group

ATTACHMENT 5

INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **V00144**

Site Name **Former Taylor Instruments Facility**

Site Address: 95 Ames Street Zip Code: 14611
City/Town: Rochester
County: Monroe
Site Acreage: 14.500

Reporting Period: February 14, 2019 to February 14, 2020

YES NO

1. Is the information above correct?

X

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

X

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

X



4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

X

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development?

X

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Industrial

X

7. Are all ICs/ECs in place and functioning as designed?

X

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Description of Institutional ControlsParcelOwnerInstitutional Control**120.410-1-2**

Gray Rock Rochester, LLC- Attn: Joe Verdi

Ground Water Use Restriction
Landuse Restriction

Soil Management Plan

- Ground Water Use Restriction
- Landuse Restriction
- Soil Management Plan
- Annual certification

120.42-1.4

Roderick Nelson, Jr.

Site Management Plan

Sub-slab depressurization system
Annual Certification**Description of Engineering Controls**ParcelEngineering Control**120.410-1-2**Vapor Mitigation
Cover System

- Cover System
- Vapor Mitigation (future buildings)

120.42-1.4

Vapor Mitigation

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

X

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

X

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. V00144

Box 6

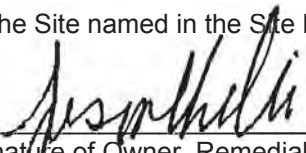
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Joseph Verdi at Gray Rock Rochester, LLC
print name print business address
14150 Route 31, Savannah, New York 13146,

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

04/09/2020
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

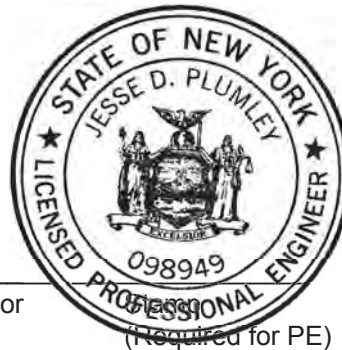
Plumley Engineering, P.C.

I Jesse D. Plumley, P.E. at 8232 Loop Road, Baldwinsville, New York 13027,
print name print business address

am certifying as a Professional Engineer for the Gray Rock Rochester, LLC
(Owner or Remedial Party)

Jesse Plumley

Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification



04/09/2020
Date

(Required for PE)