

**2016 PERIODIC REVIEW REPORT  
COOPERVISION  
711 NORTH STREET  
SCOTTSVILLE, NEW YORK**

**by Haley & Aldrich of New York  
Rochester, New York**

**for New York State Department of Environmental Conservation  
East Avon, New York**

File No. 129375-002  
14 June 2018





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New York State Department of Environmental Conservation  
Division of Environmental Remediation, Region 8  
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Attention: Mr. Frank Sowers, P.E.

Subject: Periodic Review Report for May 2017 – 2018  
CooperVision Facility – VCA Site#V00175  
711 North Street  
Scottsville, New York

Ladies and Gentlemen:

Haley & Aldrich of New York is pleased to provide this Periodic Review Report (PRR) for the CooperVision Facility (VCA #V00175) located in Scottsville, New York on behalf of CooperVision, Inc. This report summarizes activities performed during the period 16 May 2017 through 16 May 2018.

This report also summarizes site groundwater monitoring and sampling activities, and performance monitoring of the sub-slab depressurization system (SSDS).

This report is being submitted to the New York State Department of Environmental Conservation (NYSDEC) in electronic (Adobe Acrobat) format conforming to the requirements of the NYSDEC PRR request letter dated 3 April 2018.

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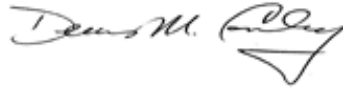
Please do not hesitate to contact us should you have any questions regarding this report.

Sincerely yours,

HALEY & ALDRICH OF NEW YORK



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## Executive Summary

The CooperVision VCA Site#V00175 is located at 711 North Road in Scottsville, New York (See Figures 1 and 2) (the “Site”). The Site includes the original manufacturing building with additions comprising an aggregate total building area of approximately 50,000 sq. ft. Soil and groundwater on some portions of the Site have been found to contain certain volatile organic compounds (VOCs), primarily 1,1,1-trichloroethane (1,1,1-TCA) and its breakdown products; 1,1-dichloroethane (DCA), 1,1-dichloroethene (DCE) and chloroethane (CA).

The Site has been investigated and remediated as part of the New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Program (VCP). The NYSDEC approved remedy for the Site included the following:

- Injection of Hydrogen Release Compound (HRC) to stimulate reductive dechlorination of the Site contaminants of concern (performed 2001).
- Installation and operation of a sub-slab depressurization system (SSDS) in the Site building to mitigate potential soil vapor intrusion (constructed and operated continuously since 2006).
- Installation of soil-bentonite-cement trench collars along utility lines to mitigate the potential for impacted soil vapors from migrating offsite via a potential preferential subsurface utility pathway (constructed and maintained in-place since 2008).

Also included as part of the NYSDEC approved remedy was the recording of Deed Restrictions to address administrative control requirements of the VCP, including, but not limited to continuing the industrial use of the property, preventing use of groundwater at the Site without prior approval, and other measures, such as adherence to the NYSDEC-approved Site Management Plan (SMP) for long-term management of the Site to maintain protection of human health and the environment. Following approval of the Final Engineering Report (FER) on 16 June 2010 and the SMP on 29 July 2010, the NYSDEC granted CooperVision a release from liability for the Site on 29 November 2010.

As a result of site groundwater monitoring and trend analysis under the SMP, an additional element was added to the NYSDEC approved remedy to address an apparent increasing concentration trend in certain VOCs in monitoring well MW-202. In 2013 additional bioremediation substrate wells were installed nearby and upgradient of the MW-202 area. An emulsified oil substrate, to stimulate more rapid bioremediation in this portion of the site, was injected through the new wells. Ongoing monitoring of this area is included in SMP activities currently and is summarized herein.

The Site is maintained per the approved SMP consisting of institutional and engineering controls (IC/ECs). Engineering controls include maintenance of the existing Site cover, the sub-slab depressurization system (SSDS), and utility trench collars. Monitoring of the ECs is conducted periodically per the SMP. ICs include the Deed Restrictions on the property, which include groundwater and land use restrictions, and adherence to the SMP. The IC/ECs have remained in-place and functioned as designed during the reporting period, without exception.

During the reporting period, two change of use notifications were submitted to the NYSDEC, for a Utility Building addition on the west side of the property and a New Employee Entrance over the existing source area of contamination. Documentation of activities in conformance with the SMP are included in this PRR.



There were no areas of non-compliance noted during the reporting period. The SMP and Deed Restrictions remain in-place, groundwater has not been used, and Site use is consistent with land use restrictions (commercial/industrial).

We have no recommended changes to the site management program with this PRR.

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## 1. Site Overview

The CooperVision VCA Site#V00175 is located at 711 North Road in Scottsville, New York (See Figures 1 and 2) (the “Site”). The Site has been used for manufacturing (fabrication of contact lenses) since the mid-1970s and includes the original building with additions having a total area of approximately 50,000 sq. ft. Soil and groundwater on some portions of the Site contain certain volatile organic compounds (VOCs), primarily 1,1,1-trichloroethane (1,1,1-TCA).

Soil and groundwater investigations were conducted at the Site between 1998 and 2000 as part of application for and acceptance into a Voluntary Cleanup Agreement (VCA). Following investigation, a remedy was selected for the Site, which consisted of an injection with hydrogen release compound (HRC) to stimulate and enhance intrinsic bioremediation of the VOCs in the soil and groundwater. The HRC injection was conducted in 2001. In addition, a sub-slab depressurization system (SSDS) was installed in a portion of the Site building as a mitigative measure in 2006 as part of an Interim Remedial Measure (IRM).

A supplemental soil vapor intrusion (SVI) investigation was conducted on the Site, in the right-of-way to the east of the Site, and on the adjacent apartments/townhomes to the east of the Site in 2008 and 2009. The investigation revealed soil vapors with detectable concentrations of Site compounds (1,1,1-TCA, 1,1-dichloroethene (1,1-DCE), 1,1-dichloroethane (1,1-DCA), chloroethane (CA), and vinyl chloride (VC)) along the property line and in the adjacent eastern right-of-way, though the indoor air and sub-slab vapor testing determined that the soil vapors were not impacting the indoor air or sub-slab vapor at the offsite apartment or townhome buildings. In addition to the investigation, a second IRM was completed that consisted of installing soil-bentonite-cement (SBC) trench collars in five (5) locations along existing utilities located on the CooperVision Site and within the adjacent eastern right-of-way. The purpose of the trench collars was to mitigate the potential for Site and nearby utility lines to act as potential preferential pathways for impacted soil vapors.

In October 2013 a Remedial Action Work Plan (RAWP) was developed and implemented, which included the installation of an array of injection wells between the source area and monitoring well MW-202. The RAWP was approved by the Department on 18 October 2013 and was implemented in November 2013 with periodic injections of an organic carbon substrate consisting of Emulsified Vegetable Oil (EVO) from December 2013 through October 2014. Corrective measure activities included the installation of seven (7) injection wells and two (2) bioaugmentation points (BAP). Emulsified oil was introduced to the BAP wells as a bio-stimulation substrate via gravity infiltration. Groundwater samples were collected at the BAP locations for three reporting years since initiation of this RAWP. Injection activities were completed in 2017 with the introduction of a consortium of microorganisms into the BAP wells and the adjacent injection points to further promote in-situ bioremediation processes.

Also included as part of the remedy, was the recording of Deed Restrictions to establish the administrative control requirements of the VCA, including, but not limited to continued industrial use of the property, preventing use of groundwater at the site without prior approval, and other measures required by NYSDEC, such as adherence to this Site Management Plan (SMP) for long-term management of the Site to maintain protection of human health and the environment. Following submittal and approval of a 16 June 2010 Final Engineering Report (FER) and 29 July 2010 Site Management Plan (SMP), the NYSDEC granted CooperVision a release from liability for the Site on 29 November 2010.

This report summarizes activities performed during the period 16 May 2017 through 16 May 2018. Historical data shown in this report contains data collected since the SMP was approved.

**The Site has continued to be maintained under the 2010 Site Management Plan.**

## 2. Compliance Report

### 2.1 INSTITUTIONAL CONTROLS - REQUIREMENTS AND COMPLIANCE

Site use restrictions in the form of Deed Restrictions are in effect at the Site. These restrictions include prohibition of groundwater use unless rendered safe for the intended purpose and land use restrictions (commercial and/or industrial use, only). The Deed Restrictions also stipulate that the Site is managed under a NYSDEC approved SMP that is periodically certified to confirm that the engineering controls remain in-place and continue to be protective at the Site.

***The site restrictions have not been breached, and the Deed Restrictions remained in force during the reporting period. Certifications are included in Appendix A.***

### 2.2 ENGINEERING CONTROLS - REQUIREMENTS AND COMPLIANCE

There are three engineering controls (ECs) in place at the Site, which are as follows and further described in the sections below:

1. Existing Cover System
2. Sub-Slab Depressurization System
3. Soil-Bentonite-Cement Utility Trench Collars

#### 2.2.1 Existing Cover

Potential exposure to residual contamination at the Site is prevented by an existing cover system, which consists of the CooperVision building slab, pavement, and vegetative cover. The existing cover system is required to be maintained in accordance with the SMP. Excavations that breach the existing cover system may require additional monitoring and soil management in accordance with the Excavation Plan included in the SMP. In addition, certain fill materials imported onto the Site must be tested prior to Site use to demonstrate that they comply with the requirements in the SMP. The cover system is monitored via visual inspection at the time of excavation as required, and during periodic Site visits as part of monitoring and certification.

##### 2.2.1.1 Utility Room Addition

On behalf of CooperVision, Haley & Aldrich submitted a Change of Use Notification via email to NYSDEC on 24 August 2017, and a formal letter submitted on 28 August 2017, to construct a 2,141 square foot addition on the western portion of the building with the purpose of creating a utility room. NYSDEC provided formal notice approving CooperVision to proceed with the utility room addition on 1 September 2017. On 24 August 2014 NYSDEC approved via email Haley & Aldrich's request to not perform CAMP monitoring. The new addition is located to the west, upgradient of and outside the area of known Site impacts. On 31 August 2017, Haley & Aldrich observed Foundation Design, Inc. install three (3) geotechnical boreholes to ten (10) feet below ground surface (bgs) within the proposed building addition's foot print. Haley & Aldrich screened soils using a Photoionization Detector (PID). No PID readings or visible contamination was observed in the soil cuttings from the three (3) boreholes. On 14 September 2017, CooperVision's contractor, Hamilton Stern Construction (Hamilton Stern) began excavation for footings and the installation of sub-surface utility lines. Haley & Aldrich conducted

screening of the soil with a handheld PID. No impacted soils or elevated PID readings were observed. A total of 648.57 tons of soil was removed, stockpiled and sampled for analysis for metals constituents. Excavated soils were disposed at Waste Management's High Acre landfill located in Fairport, NY. The excavation was filled with washed stone or crusher run before concrete footings and the concrete slab was constructed. A total of 57.32 tons of washed stone was imported from Hanson Aggregates in Honeoye Falls and Dolomite in Brockport. A total of 422.93 tons of #2 crusher run was also imported from Hanson Aggregates.

Approximately 50 cubic yards of clean topsoil was sampled for import in April 2018. Analytical results for all the parameters of analysis were below the NYSDEC's Appendix 5 Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4 €.

Refer to Appendix B for the change of use notification, Appendix C for copies of the town-issued building permit, Appendix D for topsoil analytical data and disposal documentation, Appendix E for NYSDEC Correspondence, and Appendix F for import material sieve analysis and import documentation.

#### *2.2.1.2 New Employee Entrance Addition*

In 2017, CooperVision began planning for the construction of a new employee entrance for the facility that will include demolition of the existing storage structure on the south side of the facility, excavation of shallow soils within the previously identified area of contamination for the Site, and the subsequent construction of an approximate 2,500-square foot building addition that will include the entrance and reception area, a cafeteria area, coat room, and related space. The construction of the new addition will include modification of the existing SSDS to mitigate the potential for impacted soil vapor intrusion within the new addition space. Monitoring well MW-205, which is located in the footprint of the planned addition will remain in place but will be modified to accommodate continued groundwater quality monitoring beneath the new addition. Installation of piping below the new entrance addition will be completed in case it is necessary in the future to apply appropriate biostimulation amendments for further bioremediation of VOCs in the affected area beneath the planned addition. Excavation and construction activities are anticipated to extend through the 2018-2019 reporting period.

On behalf of CooperVision, Haley & Aldrich submitted a Change of Use Notification to NYSDEC on 11 September 2017 for the new employee entrance. NYSDEC submitted a response on 3 October 2017 requesting an engineering design plan, monitoring well installation details, and installation of a permanent injection system under the addition. Haley & Aldrich submitted a design drawing package on 3 November 2017. On 12 January 2018 CooperVision received a letter from NYSDEC with comments and requesting a work plan for the remediation-related activities. A meeting was conducted on 1 February 2018 for discussions among Haley & Aldrich, NYSDEC and CooperVision to clarify comments and design intent. On 28 February 2018 Haley and Aldrich submitted a New Employee Entrance Remediation Construction Work Plan to NYSDEC. On 30 March 2018 NYSDEC provided approval with requested modifications to the Work Plan. Haley & Aldrich revised and modified the design drawings based on NYSDEC's comments and will document as-built elements of the Work Plan after construction completion. This modification was approved by NYSDEC via email on 11 April 2018.

On 19 December 2017 Haley & Aldrich observed Foundation Design, Inc. conduct four (4) Geotech borings within the proposed new employee entrance foot print. Borings were completed from 8.0 to 15.0 ft below ground surface. Haley & Aldrich screened soils using a Photoionization Detector (PID). No PID readings or visible contamination was observed in the soil cuttings from the four (4) boreholes. Soils

were sampled for TCL VOC's and TCLP VOC's and staged in drums on-site. Analysis results are included in Appendix D. Staged soils will be combined with excavated soils when construction activities begin and will be sampled and managed accordingly

Construction of the addition began in April 2018 and as of the date of this PRR, construction has included site clearing, removal of surface cover and partial facility demolition, and initiation of foundation construction. On 3 May 2018, Haley & Aldrich began observation of the infiltration gallery installation. Per the Remediation Construction Work Plan, the sub-slab infiltration gallery includes both vertical and horizontal infiltration pipe elements. Haley & Aldrich contracted NYEG Drilling, LLC (NYEG) to install four (4) vertical boreholes in a portion of the perforated horizontal piping infiltration galleries in proximity to well MW-205. Boreholes were drilled using an air rotary drill rig to a depth of 25 ft bgs. Soils were screened using a PID. Low level PID readings were detected in the soil cuttings. No visible staining was observed. Boreholes were back filled with washed stone to enable the delivery of biostimulation fluids beneath the horizontal piping. Approximately 2 cubic yards of soil was removed staged on poly sheeting in the southwest portion of the employee parking lot. Soils will be staged on site until they can be characterized and removed during construction activities. CAMP stations were erected at both upwind and downwind locations. No exceedances were observed during the time frame of this PRR summary.

In the 12 January 2018, the new employee entrance work plan response letter, the NYSDEC accepted the recommendation to decommission MW-401. NYEG decommissioned MW-401 following CP-43 guideline's grout in place method. The bottom of the well casing was punctured at 46.6 feet as grout was simultaneously placed in the bottom of the well casing to 4 feet bgs. All well construction material was cut and removed from four feet bgs to ground surface. The hole was filled with grout from four feet bgs to ground surface. Modifications performed on MW-205 included the removal of the existing well vault in anticipation of the installation of a PVC extender to the existing well riser to the proposed interior finished floor surface elevation, and the installation of a well vault designed for indoor use.

Refer to Appendix B for change of use notification, and Appendix C for copies of applicable building permits. NYSDEC Correspondence is presented in Appendix E, CAMP data associated with the construction activities is presented in Appendix G, Appendix H for injection point installation logs, and Appendix I for the MW-401 well decommissioning information.

### **2.2.2 Sub-Slab Depressurization System**

At the request of the NYSDEC and the New York State Department of Health (NYSDOH) a sub-slab depressurization (SSD) system was installed as a contingency measure in order to mitigate the potential of impacted soil vapor intrusion. The SSD system was designed in accordance with the "Sub-Slab Depressurization System (Amended SSD Work Plan)" dated 18 May 2006 and correspondence from the NYSDEC (RE: CooperVision Site #V00175-8, Sub-Slab Depressurization System (Amended Work Plan)) dated 8 August 2006.

Six (6) fans were installed to depressurize the sub-slab in the identified area of groundwater contamination, each with a discrete suction location (except for the fan above the switch gear room which has two suction locations). The fans are located on the roof of the facility. In addition to the suction points and fans, seventeen (17) permanent vacuum measurement points were installed.



***Based on vacuum testing results and regular system monitoring, the SSD system appears to continue to be operating as designed. Refer to Section 3.2 below, for additional information, including updates provided with this PRR.***

### **2.2.3 Soil-Bentonite-Cement Utility Trench Collars**

To reduce the potential for onsite and offsite utility lines (natural gas and water) to act as preferential pathways for offsite migration of impacted soil vapor, five (5) soil-bentonite-cement (SBC) trench collars were installed along both the natural gas and water lines on the CooperVision Site and in the adjacent eastern right-of-way (Figure 2). If the utility pipelines are excavated, the trench collars would be visually inspected to ensure they remain intact.

***Activities that would have impacted the integrity of the trench collars were not performed during the reporting period. The trench collars therefore remain in-place as designed and installed.***

### **2.3 IC/EC CERTIFICATION**

Based on site visits and interviews with site personnel, the IC/ECs are herein certified by Robert Ooyama, designated representative of CooperVision Inc. and Mark N. Ramsdell, a professional engineer in the State of New York working for Haley & Aldrich of New York on behalf of CooperVision. Refer to Appendix A for a copy of the appropriate certification documentation.

### 3. Operations, Maintenance, & Monitoring Plan Compliance Report

Onsite monitoring during this reporting period consisted of two (2) groundwater sampling events in accordance with the sampling and analysis plan in the SMP and one round of sub slab vacuum measurements of the sub-slab depressurization system (SSDS). Monitoring of the groundwater and operations, maintenance, and monitoring of the SSDS are further described below.

#### 3.1 GROUNDWATER MONITORING

Groundwater sampling was conducted in October 2017 and April 2018. Summary tables (Tables I through III), and groundwater contour figures for each event (Figures 3 and 4) are attached, and reflect updated information from the reporting period over past year's PRR reports. The laboratory data has been submitted as an EQuIS® electronic data deliverable (EDD) to the NYSDEC and can be found in Appendix J. Groundwater sampling field forms are in Appendix K. Historical analytical data is presented in Appendix L.

Overall, the data appear consistent with previous sampling events. The following summarizes our observations from the groundwater monitoring program:

##### 3.1.1 Source Area

Refer to Table I for a summary of the results for the source area wells. Wells in the source area (MW-205 and OWS-302S) continue to show evidence that biological degradation is active as described below.

- The groundwater sampling results indicate an overall decreasing concentration for 1,1,1-TCA at well MW-205 over the reporting period. These conditions indicate that this compound is biodegrading as 1,1-DCA continues to be detected at levels consistent with previous sampling events. These conditions indicate that 1,1-DCA is not “stacking” and is degrading. Chloroethane has not been detected at concentrations exceeding the laboratory reporting limits. The biologically mediated reductive dechlorination process for 1,1,1-TCA is shown below:



- 1,1,1-TCA was detected at MW-205 and chloroethane and elevated chloride concentrations were detected at OWS-302S during the October 2017 and April 2018 sampling events.
- Metabolic acids, butyric, propionic and acetic acid were detected at MW-205 indicating that the Hydrogen Release Compound (HRC) injection continues to enhance the reductive dechlorination processes at the Site.
- The presence of ferrous iron ( $\text{Fe}^{2+}$ ) and negative oxidation reduction potential (ORP) readings in the source area indicate that the aquifer conditions continue to be anaerobic, which is conducive to promote further biologically mediated reductive dechlorination processes.

### 3.1.2 Mid-plume Area

A summary of the groundwater data for the mid-gradient area monitoring wells; MW-3, MW-501, MW-502 is provided in Table II. Overall, mid-gradient conditions are similar to recent groundwater monitoring events with one exception. Groundwater quality monitoring results for MW-502 collected in April 2018 were non-detect for the site VOCs which is an anomalous result compared to past monitoring data. We have therefore rejected this date's data set for this well. The reason for the ND result may be due to a breach of the surface seal. The well is currently in a disturbed soil area within the outer edge of the new employee entrance foundation excavation. Further investigation into the integrity of the MW-502 surface seal will be performed during the course of construction and reported in the 2018-2019 reporting period.

- 1,1,1-TCA was not detected at the mid-plume wells during the October 2017 and April 2018 sampling events.
- 1,1-DCA and vinyl chloride concentrations continue to decline or remain steady in the mid plume wells.
- Chloroethane, the breakdown product of 1,1-DCA, continues to be detected in the mid-plume wells.

### 3.1.3 Down-gradient Area

Table III provides a summary of groundwater quality for the downgradient wells; MW-202, MW-203, MW-204 and OW-306. Overall, down-gradient groundwater conditions at these monitoring well locations are similar to previous monitoring events.

- 1,1,1-TCA concentrations were not detected in the downgradient wells.
- 1,1-DCA and 1,1-dichloroethene (1,1-DCE) were detected in well MW-202 during the reporting period. The concentrations of 1,1-DCA and 1,1, DCE detected during the April 2018 reporting period were lower than the concentrations detected during the October 2017 sampling event.
- Total Organic Carbon (TOC) was observed at MW-202 indicating that the carbon substrate injected upgradient (the EVO injection) has migrated to this area of the Site.
- Chloroethane was detected at MW-202 during the October 2017 sampling event indicating that reductive dechlorination processes are occurring in this area of the Site.
- VOCs were not detected at concentrations above the laboratory reporting limits at OW-306, MW-204, and MW-203.

### 3.1.4 Mann-Kendall Trend Analysis

The results of the VOC analyses from the groundwater sampling events conducted during the reporting period in conjunction with the previous sampling events were evaluated using the Mann-Kendall statistical test for trend analysis (Refer to Appendix M) procedure as provided in the SMP.

This Mann-Kendall trend analysis does not take into account the magnitude of an increase or decrease. However, as the parent compound, 1,1,1-TCA biodegrades within the source area, the daughter compounds, 1,1-DCA and 1,1-DCE will continue to increase in concentration at the downgradient wells prior to establishing a decreasing trend as reductive dechlorination proceeds in the downgradient area of the Site.

In summary, most wells showed no trend, MW-3 exhibited a decreasing trend with incorporation of the fall 2017 and spring 2018 sampling events. MW-502 exhibited a decreasing trend with incorporation of

the fall 2017 sampling event, but due to a potential failure of the surface seal, a trend analysis could not be completed with the spring 2018 sampling event data.

Even though the concentration of 1,1-DCE and 1,1-DCA at MW-202 in April 2018 was less than the concentration detected in October 2017 sampling event, the Mann-Kendall analysis indicated an increasing trend for these parameters after incorporation of the fall 2017 and spring 2018 sampling events. However, we believe that with additional sampling events the increasing trend will transition to a no-change and/or decreasing trend as the in-situ biodegradation processes appear to be active in this area of the Site. This conclusion is further supported by the detection of chloroethane (CA) in MW-202 during the October 2017 sampling event indicating that the biodegradation of DCA is occurring in this area of the site.

These data further support the conclusion that the RAWP activities implemented upgradient from MW-202 have enhanced the intrinsic biodegradation processes in this area of the Site.

### **3.2 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATIONS, MAINTENANCE, AND MONITORING**

The SSD system continuously operates at the Site and is monitored monthly by CooperVision staff. CooperVision staff record the system vacuum readings and operations data on the maintenance form provided in the NYSDEC approved SMP dated 16 June 2010. This data is either available onsite or sent by CooperVision to an offsite document storage facility. The SSD system and monitoring documentation for the reporting period is provided in Appendix N with one exception. No maintenance was required or performed on the system during January 2018.

The SSD system was evaluated in April 2018 by Haley & Aldrich. The evaluation included vacuum measurements at the seventeen (17) existing monitoring points located within the facility. Overall, the SSD system operation is consistent with prior operations, and is operating acceptably and consistent with its intended function, design and construction.

Leaks and/or other concerns were not observed. The sub-slab vacuum levels were above the design criteria of 0.002 inches of water, except in the switchgear room. The switchgear room was noted below the design criteria during the initial installation and is caused by the negative pressure created by the facility's vacuum pumps located in this room. Per the NYSDEC's request, and the new guidance for air emissions treatment and ozone-depleting substance evaluation, Haley & Aldrich collected PID readings at suction points S-1 through S-7 and used a vacuum box and Tedlar® bag to collect sub-slab vapor from within each suction point. Vacuum testing results are included in Table IV. Vacuum testing locations are shown on Figure 5.

## 4. Conclusions & Recommendations

The following are conclusions and recommendations for the Site from the results of monitoring activities completed during the reporting period:

- Site management complied with the SMP during the reporting period. Excavation and the importation of clean stone from a permitted quarry was conducted during the reporting period and was performed in accordance with the Excavation Plan in the SMP.
- The engineering controls (existing cover system, SSD system, trench collars) were maintained during the reporting period.
- The Deed Restrictions remain in place. Groundwater has not been used at the Site during the reporting period. Site land use has remained for manufacturing use only during the reporting period.
- Groundwater monitoring results for the relative concentrations of parent (1,1,1-TCA) and daughter products (DCA, DCE, CA and vinyl chloride) indicate that in-situ biodegradation of the Site COC is continuing.
- The results of the indicator parameter analyses (TOC, ORP, nitrate and sulfate) and the decrease in the observed concentrations of Site VOCs at MW-3 and MW-204 indicates that the in-situ biodegradation is occurring at the downgradient areas of the Site.
- Further investigation in the integrity of the MW-502 surface seal will be performed at the appropriate time within the employee entrance construction and in time to accommodate the October 2018 sampling event.
- Construction activities of the new employee entrance will be documented in the 2018 – 2019 reporting period.
- The Mann-Kendall Trend Analysis procedure as presented in the approved Site Management Plan (SMP) will be evaluated with guidance from “Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance”, USEPA, EPA 530/R-09-007, March 2009.

## TABLES

TABLE I  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
SOURCE AREA WELLS  
COOPERVISION  
SCOTTSVILLE, NY

| Location                                      | Action Level | MW-205                |                       | OWS-302              |                      |
|-----------------------------------------------|--------------|-----------------------|-----------------------|----------------------|----------------------|
| Sample Name                                   | NYSDEC       | MW205-101217-1430     | MW-205-041618-1710    | OWS302-101217-1350   | OWS-302-042018-1245  |
| Sample Date                                   | TOGS         | 10/12/2017            | 04/16/2018            | 10/12/2017           | 04/20/2018           |
| Sample Type                                   | Ambient      | N                     | N                     | N                    | N                    |
| Sample Depth (bgs)                            | Water        | 21.2 - 28 (ft)        | 21.2 - 28 (ft)        | 13 - 17.8 (ft)       | 13 - 17.8 (ft)       |
| Volatile Organic Compounds (ug/L)             |              |                       |                       |                      |                      |
| 1,1,1-Trichloroethane                         | 5            | 40000 <sup>[A]</sup>  | 44000 <sup>[A]</sup>  | ND (500)             | ND (500)             |
| 1,1,2,2-Tetrachloroethane                     | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| 1,1,2-Trichloroethane                         | 1            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| 1,1-Dichloroethane                            | 5            | 170000 <sup>[A]</sup> | 210000 <sup>[A]</sup> | ND (500)             | ND (500)             |
| 1,1-Dichloroethene                            | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| 1,2-Dichloroethane                            | 0.6          | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| 1,2-Dichloropropane                           | 1            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| 2-Butanone (Methyl Ethyl Ketone)              | 50           | ND (20000)            | ND (20000)            | ND (1000)            | ND (1000)            |
| 2-Hexanone                                    | 50           | ND (20000)            | ND (20000)            | ND (1000)            | ND (1000)            |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | -            | ND (20000)            | ND (20000)            | ND (1000)            | ND (1000)            |
| Acetone                                       | 50           | ND (20000)            | ND (20000)            | ND (1000)            | ND (1000)            |
| Benzene                                       | 1            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Bromodichloromethane                          | 50           | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Bromoform                                     | 50           | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Bromomethane (Methyl Bromide)                 | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Carbon disulfide                              | 60           | ND (20000)            | ND (20000)            | ND (1000)            | ND (1000)            |
| Carbon tetrachloride                          | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Chlorobenzene                                 | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Chloroethane                                  | 5            | ND (10000)            | ND (10000)            | 21000 <sup>[A]</sup> | 20000 <sup>[A]</sup> |
| Chloroform (Trichloromethane)                 | 7            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Chloromethane (Methyl Chloride)               | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| cis-1,2-Dichloroethene                        | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| cis-1,3-Dichloropropene                       | 0.4          | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Dibromochloromethane                          | 50           | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Ethylbenzene                                  | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| m,p-Xylenes                                   | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Methylene chloride                            | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| o-Xylene                                      | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Styrene                                       | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Tetrachloroethene                             | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Toluene                                       | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| trans-1,2-Dichloroethene                      | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| trans-1,3-Dichloropropene                     | 0.4          | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Trichloroethene                               | 5            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Vinyl chloride                                | 2            | ND (10000)            | ND (10000)            | ND (500)             | ND (500)             |
| Other (mg/L)                                  |              |                       |                       |                      |                      |
| Acetic acid                                   | -            | 1300                  | 1300                  | -                    | -                    |
| Alkalinity, Total (as CaCO3)                  | -            | 3340                  | 3450                  | -                    | -                    |
| Butanoic acid                                 | -            | 3300                  | 2900                  | -                    | -                    |
| Carbon                                        | -            | -                     | -                     | -                    | -                    |
| Chloride                                      | -            | 846 <sup>[A]</sup>    | 732 <sup>[A]</sup>    | -                    | -                    |
| Lactic Acid                                   | -            | ND (50)               | ND (20)               | -                    | -                    |
| Nitrate (as N)                                | -            | ND (1)                | ND (1)                | -                    | -                    |
| Nitrite (as N)                                | -            | ND (10)               | ND (1)                | -                    | -                    |
| Propionic acid                                | -            | 790                   | 910                   | -                    | -                    |
| Pyruvic Acid                                  | -            | ND (25)               | ND (10)               | -                    | -                    |
| Sulfate                                       | 250          | ND (2)                | ND (2)                | -                    | -                    |
| Sulfide                                       | -            | 1.8                   | ND (1)                | -                    | -                    |
| Other (ug/L)                                  |              |                       |                       |                      |                      |
| Ethane                                        | -            | ND (100)              | ND (100)              | -                    | -                    |

TABLE I  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
SOURCE AREA WELLS  
COOPERVISION  
SCOTTSVILLE, NY

|                            | Location           | Action Level | MW-205                       |                              | OWS-302            |                     |
|----------------------------|--------------------|--------------|------------------------------|------------------------------|--------------------|---------------------|
|                            | Sample Name        | NYSDEC       | MW205-101217-1430            | MW-205-041618-1710           | OWS302-101217-1350 | OWS-302-042018-1245 |
|                            | Sample Date        | TOGS         | 10/12/2017                   | 04/16/2018                   | 10/12/2017         | 04/20/2018          |
|                            | Sample Type        | Ambient      | N                            | N                            | N                  | N                   |
|                            | Sample Depth (bgs) | Water        | 21.2 - 28 (ft)               | 21.2 - 28 (ft)               | 13 - 17.8 (ft)     | 13 - 17.8 (ft)      |
| Ethene                     |                    | -            | ND (100)                     | ND (100)                     | -                  | -                   |
| Methane                    |                    | -            | <b>4600</b>                  | <b>6000</b>                  | -                  | -                   |
| Propane                    |                    | -            | ND (100)                     | ND (100)                     | -                  | -                   |
| Inorganic Compounds (ug/L) |                    |              |                              |                              |                    |                     |
| Iron, Dissolved            |                    | 300          | <b>110000</b> <sup>[A]</sup> | <b>106000</b> <sup>[A]</sup> | -                  | -                   |
| Iron, Total                |                    | 300          | <b>110000</b> <sup>[A]</sup> | <b>107000</b> <sup>[A]</sup> | -                  | -                   |

- Notes:
- Results shaded orange exceed the following criteria:  
[A] - NYSDEC TOGS Ambient Water Class GA
  - Results in **bold** were detected.
  - ND - Not detected above reporting limit.  
J - Estimated result  
ND (#) J - Not detected, estimated reporting limit.  
R - Data rejected by validator



TABLE II  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
MID-GRADIENT WELLS  
COOPERVISION  
SCOTTSVILLE, NY

| Location                                      | Action Level | MW-3                |                    | MW-501              |                    | MW-502               |                    |
|-----------------------------------------------|--------------|---------------------|--------------------|---------------------|--------------------|----------------------|--------------------|
| Sample Name                                   | NYSDEC       | MW3-101217-1200     | MW-3-041618-1255   | MW501-101217-1135   | MW-501-041718-0950 | MW502-101217-1245    | MW-502-041618-1250 |
| Sample Date                                   | TOGS         | 10/12/2017          | 04/16/2018         | 10/12/2017          | 04/17/2018         | 10/12/2017           | 04/16/2018         |
| Sample Type                                   | Ambient      | N                   | N                  | N                   | N                  | N                    | N                  |
| Sample Depth (bgs)                            | Water        | 3 - 10 (ft)         | 3 - 10 (ft)        | 20 - 25 (ft)        | 20 - 25 (ft)       | 30 - 35 (ft)         | 30 - 35 (ft)       |
| Volatile Organic Compounds (ug/L)             |              |                     |                    |                     |                    |                      |                    |
| 1,1,1-Trichloroethane                         | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| 1,1,2,2-Tetrachloroethane                     | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| 1,1,2-Trichloroethane                         | 1            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| 1,1-Dichloroethane                            | 5            | 83 <sup>[A]</sup>   | 72 <sup>[A]</sup>  | 57 <sup>[A]</sup>   | 110 <sup>[A]</sup> | 100 <sup>[A]</sup>   | ND (5)*            |
| 1,1-Dichloroethene                            | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| 1,2-Dichloroethane                            | 0.6          | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| 1,2-Dichloropropane                           | 1            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| 2-Butanone (Methyl Ethyl Ketone)              | 50           | ND (25)             | ND (25)            | ND (25)             | ND (100)           | ND (100)             | ND (10)*           |
| 2-Hexanone                                    | 50           | ND (25)             | ND (25)            | ND (25)             | ND (100)           | ND (100)             | ND (10)*           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | -            | ND (25)             | ND (25)            | ND (25)             | ND (100)           | ND (100)             | ND (10)*           |
| Acetone                                       | 50           | ND (25)             | ND (25)            | ND (25)             | ND (100)           | ND (100)             | 11*                |
| Benzene                                       | 1            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Bromodichloromethane                          | 50           | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Bromoform                                     | 50           | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Bromomethane (Methyl Bromide)                 | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Carbon disulfide                              | 60           | ND (25)             | ND (25)            | ND (25)             | ND (100)           | ND (100)             | ND (10)*           |
| Carbon tetrachloride                          | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Chlorobenzene                                 | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Chloroethane                                  | 5            | 650 <sup>[A]</sup>  | 410 <sup>[A]</sup> | 330 <sup>[A]</sup>  | 710 <sup>[A]</sup> | 2000 <sup>[A]</sup>  | ND (5)*            |
| Chloroform (Trichloromethane)                 | 7            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Chloromethane (Methyl Chloride)               | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| cis-1,2-Dichloroethene                        | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| cis-1,3-Dichloropropene                       | 0.4          | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Dibromochloromethane                          | 50           | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Ethylbenzene                                  | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| m,p-Xylenes                                   | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Methylene chloride                            | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| o-Xylene                                      | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Styrene                                       | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Tetrachloroethene                             | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Toluene                                       | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| trans-1,2-Dichloroethene                      | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| trans-1,3-Dichloropropene                     | 0.4          | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Trichloroethene                               | 5            | ND (13)             | ND (13)            | ND (13)             | ND (50)            | ND (50)              | ND (5)*            |
| Vinyl chloride                                | 2            | 36 J <sup>[A]</sup> | 29 <sup>[A]</sup>  | 68 J <sup>[A]</sup> | 57 <sup>[A]</sup>  | 230 J <sup>[A]</sup> | ND (5)*            |
| Other (mg/L)                                  |              |                     |                    |                     |                    |                      |                    |
| Acetic acid                                   | -            | -                   | -                  | -                   | -                  | -                    | -                  |
| Alkalinity, Total (as CaCO3)                  | -            | 228                 | 216                | -                   | -                  | -                    | -                  |
| Butanoic acid                                 | -            | -                   | -                  | -                   | -                  | -                    | -                  |
| Carbon                                        | -            | -                   | -                  | -                   | -                  | -                    | -                  |
| Chloride                                      | -            | 397 <sup>[A]</sup>  | 435 <sup>[A]</sup> | -                   | -                  | -                    | -                  |
| Lactic Acid                                   | -            | -                   | -                  | -                   | -                  | -                    | -                  |
| Nitrate (as N)                                | -            | ND (1)              | ND (1)             | -                   | -                  | -                    | -                  |
| Nitrite (as N)                                | -            | ND (1)              | ND (1)             | -                   | -                  | -                    | -                  |
| Propionic acid                                | -            | -                   | -                  | -                   | -                  | -                    | -                  |
| Pyruvic Acid                                  | -            | -                   | -                  | -                   | -                  | -                    | -                  |
| Sulfate                                       | 250          | 23                  | 23.1               | -                   | -                  | -                    | -                  |
| Sulfide                                       | -            | ND (1)              | ND (1)             | -                   | -                  | -                    | -                  |
| Other (ug/L)                                  |              |                     |                    |                     |                    |                      |                    |
| Ethane                                        | -            | 1 R                 | ND (21)            | -                   | -                  | -                    | -                  |

TABLE II  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
MID-GRADIENT WELLS  
COOPERVISION  
SCOTTSVILLE, NY

|                            | Location           | Action Level | MW-3            |                  | MW-501            |                    | MW-502            |                    |
|----------------------------|--------------------|--------------|-----------------|------------------|-------------------|--------------------|-------------------|--------------------|
|                            | Sample Name        | NYSDEC       | MW3-101217-1200 | MW-3-041618-1255 | MW501-101217-1135 | MW-501-041718-0950 | MW502-101217-1245 | MW-502-041618-1250 |
|                            | Sample Date        | TOGS         | 10/12/2017      | 04/16/2018       | 10/12/2017        | 04/17/2018         | 10/12/2017        | 04/16/2018         |
|                            | Sample Type        | Ambient      | N               | N                | N                 | N                  | N                 | N                  |
|                            | Sample Depth (bgs) | Water        | 3 - 10 (ft)     | 3 - 10 (ft)      | 20 - 25 (ft)      | 20 - 25 (ft)       | 30 - 35 (ft)      | 30 - 35 (ft)       |
| Ethene                     |                    | -            | 54 J            | 30               | -                 | -                  | -                 | -                  |
| Methane                    |                    | -            | 2600 J          | 1500             | -                 | -                  | -                 | -                  |
| Propane                    |                    | -            | 1 R             | ND (20)          | -                 | -                  | -                 | -                  |
| Inorganic Compounds (ug/L) |                    |              |                 |                  |                   |                    |                   |                    |
| Iron, Dissolved            |                    | 300          | ND (100)        | ND (100)         | -                 | -                  | -                 | -                  |
| Iron, Total                |                    | 300          | 22100 [A]       | 38000 [A]        | -                 | -                  | -                 | -                  |

Notes:

1. Results shaded orange exceed the following criteria:

[A] - NYSDEC TOGS Ambient Water Class GA

2. Results in **bold** were detected.

3. ND - Not detected above reporting limit.

J - Estimated result

ND (#) J - Not detected, estimated reporting limit.

R - Data rejected by validator

\* - Data discarded due to evidence of a breach in the well's surface seal.

TABLE III  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
DOWN-GRADIENT WELLS  
COOPERVISION  
SCOTTSVILLE, NY

| Location                                      | Action Level | MW-202               |                     | MW-203            |                    | MW-204            |                    | OW-306            |                    |
|-----------------------------------------------|--------------|----------------------|---------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|
| Sample Name                                   | NYSDEC       | MW202-101217-1550    | MW-202-041718-1120  | MW203-101317-1330 | MW-203-041718-1705 | MW204-101317-1230 | MW-204-041718-1425 | OW306-101317-1145 | OW-306-041718-1540 |
| Sample Date                                   | TOGS         | 10/12/2017           | 04/17/2018          | 10/13/2017        | 04/17/2018         | 10/13/2017        | 04/17/2018         | 10/13/2017        | 04/17/2018         |
| Sample Type                                   | Ambient      | N                    | N                   | N                 | N                  | N                 | N                  | N                 | N                  |
| Sample Depth (bgs)                            | Water        | 10.2 - 20.3 (ft)     | 10.2 - 20.3 (ft)    | 9.8 - 20 (ft)     | 9.8 - 20 (ft)      | 9.8 - 20 (ft)     | 9.8 - 20 (ft)      | 4 - 14 (ft)       | 4 - 14 (ft)        |
| Volatile Organic Compounds (ug/L)             |              |                      |                     |                   |                    |                   |                    |                   |                    |
| 1,1,1-Trichloroethane                         | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| 1,1,2,2-Tetrachloroethane                     | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| 1,1,2-Trichloroethane                         | 1            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| 1,1-Dichloroethane                            | 5            | 120 J <sup>[A]</sup> | 59 <sup>[A]</sup>   | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| 1,1-Dichloroethene                            | 5            | 110 J <sup>[A]</sup> | 63 <sup>[A]</sup>   | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| 1,2-Dichloroethane                            | 0.6          | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| 1,2-Dichloropropane                           | 1            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| 2-Butanone (Methyl Ethyl Ketone)              | 50           | ND (10)              | ND (10)             | ND (10)           | ND (10)            | ND (10)           | ND (10)            | ND (10)           | ND (10)            |
| 2-Hexanone                                    | 50           | ND (10)              | ND (10)             | ND (10)           | ND (10)            | ND (10)           | ND (10)            | ND (10)           | ND (10)            |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | -            | ND (10)              | ND (10)             | ND (10)           | ND (10)            | ND (10)           | ND (10)            | ND (10)           | ND (10)            |
| Acetone                                       | 50           | ND (10)              | ND (10)             | ND (10)           | ND (10)            | ND (10)           | ND (10)            | ND (10)           | ND (10)            |
| Benzene                                       | 1            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Bromodichloromethane                          | 50           | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Bromoform                                     | 50           | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Bromomethane (Methyl Bromide)                 | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Carbon disulfide                              | 60           | ND (10)              | ND (10)             | ND (10)           | ND (10)            | ND (10)           | ND (10)            | ND (10)           | ND (10)            |
| Carbon tetrachloride                          | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Chlorobenzene                                 | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Chloroethane                                  | 5            | 7.2 <sup>[A]</sup>   | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Chloroform (Trichloromethane)                 | 7            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Chloromethane (Methyl Chloride)               | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| cis-1,2-Dichloroethene                        | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| cis-1,3-Dichloropropene                       | 0.4          | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Dibromochloromethane                          | 50           | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Ethylbenzene                                  | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| m,p-Xylenes                                   | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Methylene chloride                            | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| o-Xylene                                      | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Styrene                                       | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Tetrachloroethene                             | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Toluene                                       | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| trans-1,2-Dichloroethene                      | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| trans-1,3-Dichloropropene                     | 0.4          | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Trichloroethene                               | 5            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Vinyl chloride                                | 2            | ND (5)               | ND (5)              | ND (5)            | ND (5)             | ND (5)            | ND (5)             | ND (5)            | ND (5)             |
| Other (mg/L)                                  |              |                      |                     |                   |                    |                   |                    |                   |                    |
| Acetic acid                                   | -            | ND (1)               | ND (1)              | -                 | -                  | -                 | -                  | -                 | -                  |
| Alkalinity, Total (as CaCO3)                  | -            | 134                  | 166                 | -                 | -                  | -                 | -                  | -                 | -                  |
| Butanoic acid                                 | -            | ND (2)               | ND (2)              | -                 | -                  | -                 | -                  | -                 | -                  |
| Total Organic Carbon                          | -            | ND (1)               | ND (1)              | -                 | -                  | -                 | -                  | -                 | -                  |
| Chloride                                      | -            | 1760 <sup>[A]</sup>  | 3290 <sup>[A]</sup> | -                 | -                  | -                 | -                  | -                 | -                  |
| Lactic Acid                                   | -            | ND (1)               | ND (1)              | -                 | -                  | -                 | -                  | -                 | -                  |
| Nitrate (as N)                                | -            | ND (1)               | 1.9                 | -                 | -                  | -                 | -                  | -                 | -                  |
| Nitrite (as N)                                | -            | ND (1)               | ND (1)              | -                 | -                  | -                 | -                  | -                 | -                  |
| Propionic acid                                | -            | ND (1)               | ND (1)              | -                 | -                  | -                 | -                  | -                 | -                  |
| Pyruvic Acid                                  | -            | ND (0.5)             | ND (0.5)            | -                 | -                  | -                 | -                  | -                 | -                  |
| Sulfate                                       | 250          | 429 <sup>[A]</sup>   | 311 <sup>[A]</sup>  | -                 | -                  | -                 | -                  | -                 | -                  |
| Sulfide                                       | -            | ND (1)               | ND (1)              | -                 | -                  | -                 | -                  | -                 | -                  |
| Other (ug/L)                                  |              |                      |                     |                   |                    |                   |                    |                   |                    |
| Ethane                                        | -            | ND (1)               | ND (1)              | -                 | -                  | -                 | -                  | -                 | -                  |

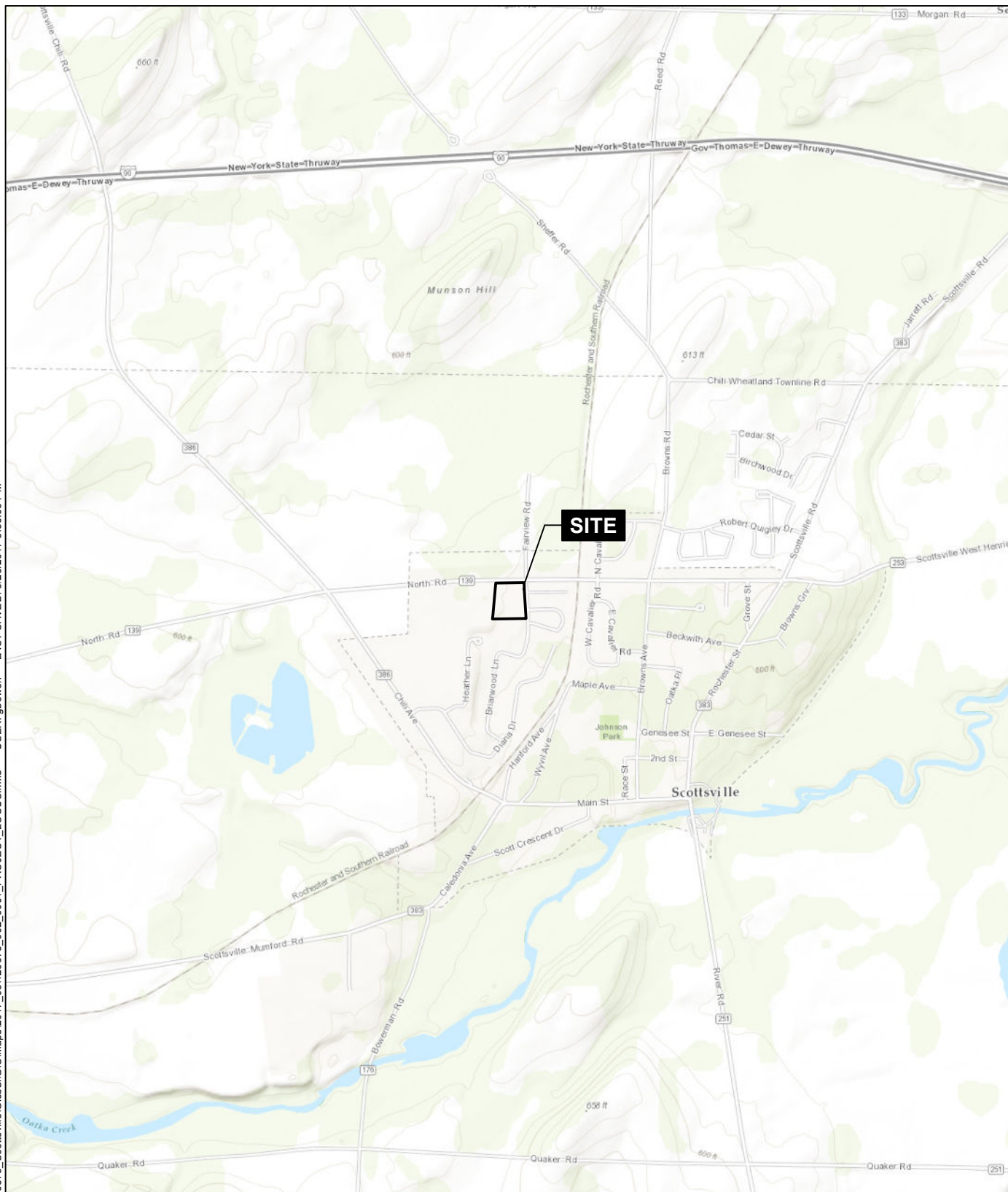
TABLE III  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
DOWN-GRADIENT WELLS  
COOPERVISION  
SCOTTSVILLE, NY

| Location                   | Action Level | MW-202             |                    | MW-203             |                    | MW-204             |                    | OW-306             |                    |
|----------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                            |              | MW202-101217-1550  | MW-202-041718-1120 | MW203-101317-1330  | MW-203-041718-1705 | MW204-101317-1230  | MW-204-041718-1425 | OW306-101317-1145  | OW-306-041718-1540 |
|                            |              | Sample Name        | Sample Date        | Sample Date        | Sample Date        | Sample Date        | Sample Date        | Sample Date        | Sample Date        |
|                            |              | Sample Type        | Sample Type        | Sample Type        | Sample Type        | Sample Type        | Sample Type        | Sample Type        | Sample Type        |
|                            |              | Sample Depth (bgs) | Sample Depth (bgs) | Sample Depth (bgs) | Sample Depth (bgs) | Sample Depth (bgs) | Sample Depth (bgs) | Sample Depth (bgs) | Sample Depth (bgs) |
|                            |              |                    |                    |                    |                    |                    |                    |                    |                    |
| Ethene                     | -            | ND (1)             | ND (1)             | -                  | -                  | -                  | -                  | -                  | -                  |
| Methane                    | -            | <b>9.3</b>         | ND (1.1)           | -                  | -                  | -                  | -                  | -                  | -                  |
| Propane                    | -            | ND (1)             | ND (1)             | -                  | -                  | -                  | -                  | -                  | -                  |
| Inorganic Compounds (ug/L) |              |                    |                    |                    |                    |                    |                    |                    |                    |
| Iron, Dissolved            | 300          | ND (100)           | <b>140</b>         | -                  | -                  | -                  | -                  | -                  | -                  |
| Iron, Total                | 300          | ND (100)           | ND (100)           | -                  | -                  | -                  | -                  | -                  | -                  |

- Notes:
- Results shaded orange exceed the following criteria:  
[A] - NYSDEC TOGS Ambient Water Class GA
  - Results in **bold** were detected.
  - ND - Not detected above reporting limit.  
J - Estimated result  
ND (#) J - Not detected, estimated reporting limit.  
R - Data rejected by validator

## FIGURES

GIS FILE PATH: G:\Projects\Cooper\Vision129375\_Scottsville\Global\GIS\Maps\2017\_05129375\_002\_0001\_PROJECT\_LOCUS.mxd — USER: gbowen — LAST SAVED: 5/23/2017 3:56:05 PM



MAP SOURCE: ESRI  
USGS QUAD: CLIFTON, NEW YORK  
SITE COORDINATES: 43°01'39.9"N, 70°45'27.6"W

**HALEY  
ALDRICH**

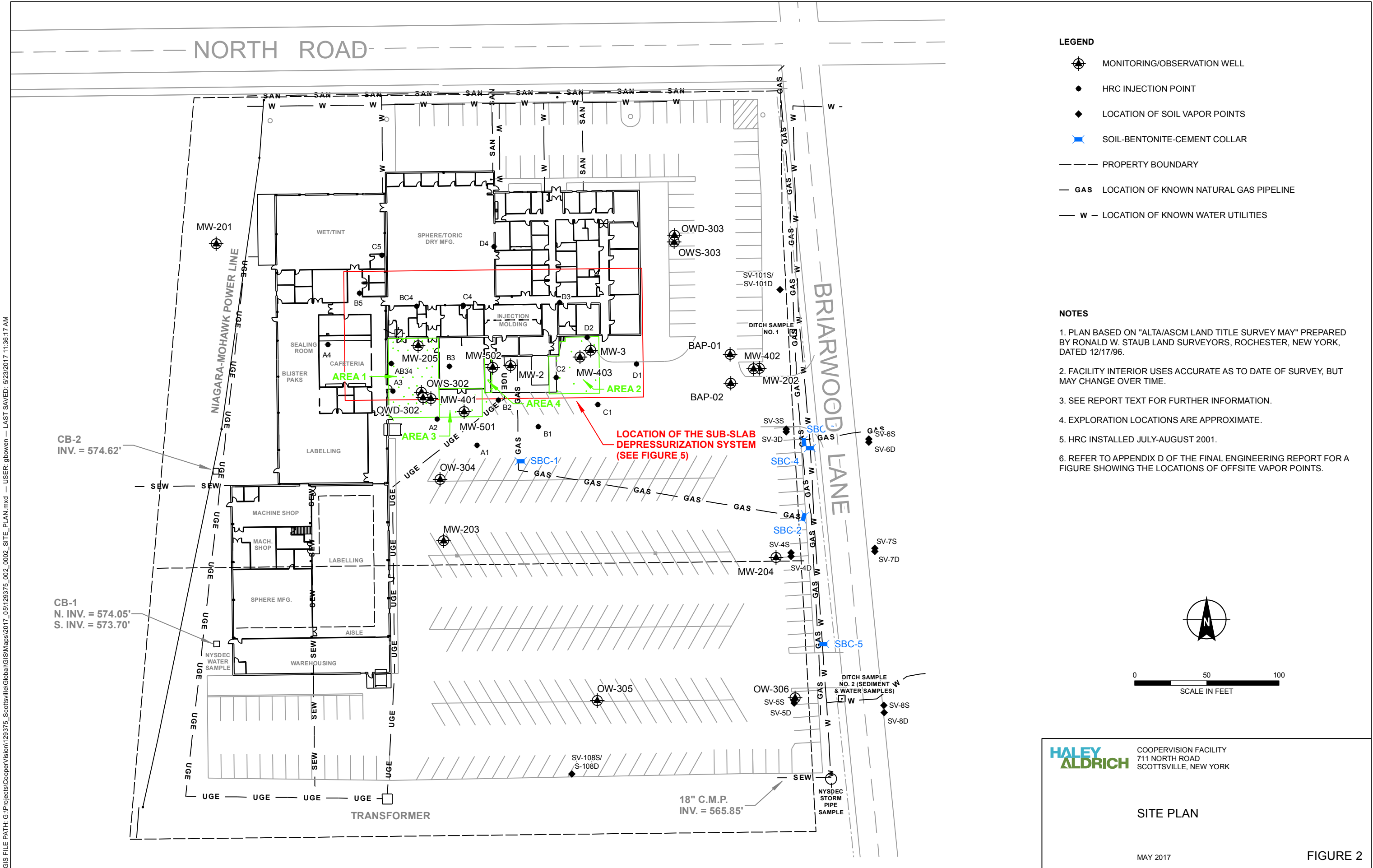
COOPERVISION, INC.  
711 NORTH ROAD  
SCOTTVILLE, NEW YORK

## PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT  
MAY 2017

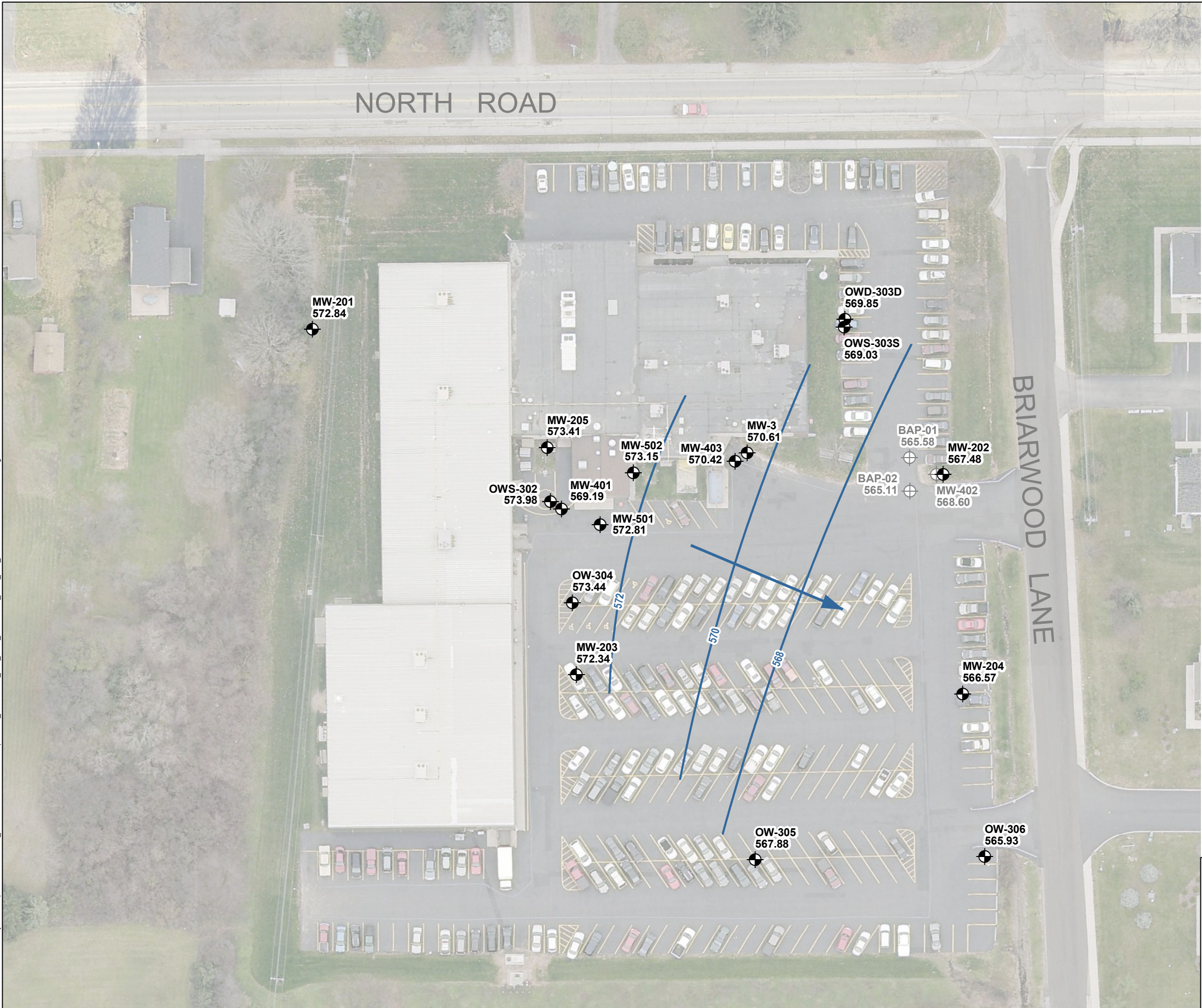
FIGURE 1

GIS FILE PATH: G:\Projects\Cooper\Ison\129375\_Scottsville\Global\GIS\Maps\2017\_05\129375\_002\_0002\_SITE\_PLAN.mxd — USER: gbowen — LAST SAVED: 5/23/2017 11:36:17 AM





GIS FILE PATH: G:\Projects\Cooper\Ison\129375\_Scottsville\Global\GIS\Maps\2018\_05\129375\_003\_0003\_OCTOBER\_2017\_GW\_CONTOURS.mxd — USER: gbowen — LAST SAVED: 5/29/2018 3:21:08 PM

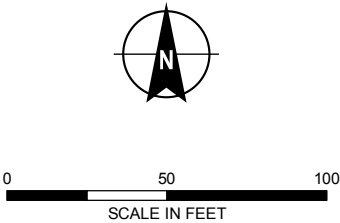


LEGEND

- WELLS INCLUDED IN CONTOURS
- WELLS NOT INCLUDED IN CONTOURS DUE TO SCREEN DEPTH, INCOMPLETE WELL INFORMATION, POOR WELL RECHARGE, OR PROXIMITY TO INJECTION WELLS.
- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

NOTES

1. PLAN BASED ON "ALTA/ASCM LAND TITLE SURVEY MAY" PREPARED BY RONALD W. STAUB LAND SURVEYORS, ROCHESTER, NEW YORK, DATED 17 DECEMBER 1996.
2. GROUNDWATER CONTOURS ARE BASED ON DATA COLLECTED ON 12 OCTOBER 2017. ELEVATIONS SHOWN ONLY FOR THOSE WELLS APPLICABLE TO THE ISOPOTENTIAL CONTOURS DEVELOPED.
3. EXPLORATION LOCATIONS ARE APPROXIMATE.



**HALEY  
ALDRICH**

COOPERVISION FACILITY INVESTIGATION  
711 NORTH ROAD  
SCOTTSVILLE, NEW YORK

GROUNDWATER CONTOUR PLAN  
(OCTOBER 2017)

MAY 2018

FIGURE 3



GIS FILE PATH: G:\Projects\Cooper\Ison\129375\_Scottsville\Global\GIS\Maps\2018\_05\129375\_003\_0004\_APRIL\_2018\_GW\_CONTOURS.mxd — USER: gbowen — LAST SAVED: 5/29/2018 3:03:12 PM



LEGEND

- WELLS INCLUDED IN CONTOURS
- WELLS NOT INCLUDED IN CONTOURS DUE TO SCREEN DEPTH, INCOMPLETE WELL INFORMATION, POOR WELL RECHARGE, OR PROXIMITY TO INJECTION WELLS.
- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

NOTES

1. PLAN BASED ON "ALTA/ASCM LAND TITLE SURVEY MAY" PREPARED BY RONALD W. STAUB LAND SURVEYORS, ROCHESTER, NEW YORK, DATED 17 DECEMBER 1996.
2. GROUNDWATER CONTOURS ARE BASED ON DATA COLLECTED ON 16 APRIL 2018. ELEVATIONS SHOWN ONLY FOR THOSE WELLS APPLICABLE TO THE ISOPOTENTIAL CONTOURS DEVELOPED.
3. EXPLORATION LOCATIONS ARE APPROXIMATE.



0 50 100  
SCALE IN FEET

**HALEY  
ALDRICH**

COOPERVISION FACILITY INVESTIGATION  
711 NORTH ROAD  
SCOTTSVILLE, NEW YORK

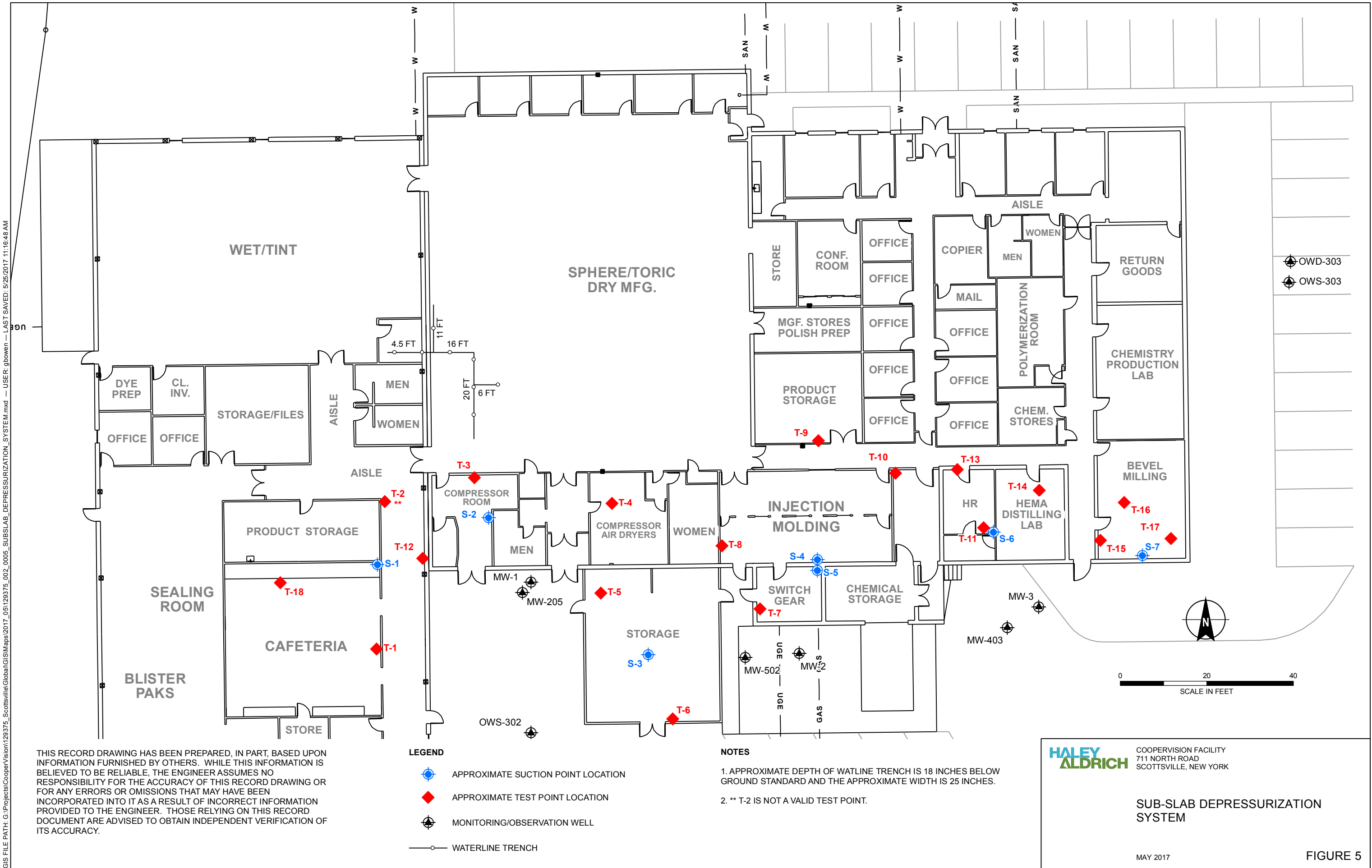
GROUNDWATER CONTOUR PLAN  
(APRIL 2018)

MAY 2018

FIGURE 4



GIS FILE PATH: G:\Projects\Cooper\Ision\129375\_Scottsville\Global\GIS\Maps\2017\_05\129375\_002\_0005\_SUBSLAB\_DEPRESSURIZATION\_SYSTEM.mxd — USER: gbowen — LAST SAVED: 5/25/2017 11:16:48 AM



## **APPENDIX A**

### **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 No.**     V00175

**Site Details**

**Box 1**

**Site Name**   711 North Road (Cooper Vision)

Site Address: 711 North Road     Zip Code: 14546-  
City/Town: Scottsville  
County: Monroe  
Site Acreage: 5.5

Reporting Period: May 16, 2017 to May 16, 2018

- |                                                                                                                                                                    | YES                                 | NO                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| 1. Is the information above correct?                                                                                                                               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 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?                              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?                                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| <span style="border: 1px solid red; padding: 2px;">Refer to Appendix B for Change of Use notifications</span>                                                      |                                     |                                     |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| <span style="border: 1px solid red; padding: 2px;">Refer to Appendix C for building permits</span>                                                                 |                                     |                                     |
| <b>If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.</b> |                                     |                                     |
| 5. Is the site currently undergoing development?                                                                                                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Box 2**

- |                                                                                                  | YES                                 | NO                       |
|--------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|
| 6. Is the current site use consistent with the use(s) listed below?<br>Commercial and Industrial | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Are all ICs/ECs in place and functioning as designed?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**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 Controls**

| <u>Parcel</u> | <u>Owner</u>      | <u>Institutional Control</u>                                                |
|---------------|-------------------|-----------------------------------------------------------------------------|
| 187.170-1-18  | CooperVision, Inc | Ground Water Use Restriction<br>Landuse Restriction<br>Site Management Plan |

Deed Restriction with following provisions:

- 1) Site use limited to Commercial and Industrial Uses;
- 2) groundwater use restriction;
- 3) site disturbance must comply with Site Management Plan; and
- 4) annual certification.

|                |                    |                                                                             |
|----------------|--------------------|-----------------------------------------------------------------------------|
| 187.170-1-18.1 | CooperVision, Inc. | Ground Water Use Restriction<br>Landuse Restriction<br>Site Management Plan |
|----------------|--------------------|-----------------------------------------------------------------------------|

Deed Restriction with following provisions:

- 1) Site use limited to Commercial and Industrial Uses;
- 2) groundwater use restriction;
- 3) site disturbance must comply with Site Management Plan; and
- 4) annual certification.

**Description of Engineering Controls**

| <u>Parcel</u>  | <u>Engineering Control</u>                              |
|----------------|---------------------------------------------------------|
| 187.170-1-18   | Cover System<br>Subsurface Barriers<br>Vapor Mitigation |
| 187.170-1-18.1 | Cover System<br>Subsurface Barriers<br>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

☒ ☐

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

☒ ☐

**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. V00175**

**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 Robert Ooyama at CooperVision, 711 North Road, Scottsville, New York,  
print name print business address

am certifying as Designated Representative (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Robert Ooyama  
Signature of Owner, Remedial Party, or Designated Representative  
Rendering Certification

6/13/2018  
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.

I Mark N. Ramsdell at Haley & Aldrich of New York, Rochester, New York,  
print name print business address

am certifying as a Professional Engineer for the Owner  
(Owner or Remedial Party)

Mark N. Ramsdell

Signature of Professional Engineer, for the Owner or  
Remedial Party, Rendering Certification



Stamp  
(Required for PE)

Date

4/13/18

## **APPENDIX B**

### **Change of Use Notifications**



HALEY & ALDRICH OF NEW YORK  
200 Town Centre Drive  
Suite 2  
Rochester, NY 14623  
585.359.9000

28 August 2017  
File No. 129375-002

NYSDEC  
New York State Department of Environmental Conservation  
Division of Environmental Remediation, 625 Broadway  
Albany NY 12233-7020

Attention: Chief, Site Control Section

Subject: CooperVision Notification of Change of Use  
711 North Road (CooperVision)  
NYSDEC Site ID: V00175

Ladies and Gentlemen:

This packet provides notification to NYSDEC of a change of use of the above-referenced site. Note that we do not believe formal Notification of Change of Use for this site is required, because it was remediated under the NYSDEC Voluntary Cleanup Agreement Program and the only notifications required under the facility's Site Management Plan is a 30-day notification in advance of site excavation; that notice was provided to NYSDEC, Mr. Frank Sowers, P.E., Region 8, on August 18, 2017. Without conceding the applicability of 6 NYCRR Part 375, we are making a 60-day Notification of change of use to be responsive to a request from Mr. Sowers. The project site is not listed on NYSDEC's Registry of Inactive Hazardous Waste Sites, and it is not in the NYSDEC Brownfield Cleanup Agreement Program or the NYSDEC Environmental Restoration Program. Also, site ownership and/or management is not changing.

The change involves construction of an unoccupied 2,141-sf addition, that will house relocated facility utility equipment, on the west site of the current main CooperVision site building. This location is outside of the area of original site contamination that was the basis for the Voluntary Cleanup Agreement, and will have no effect on or impacts from site contamination, nor will there be any effect on site engineering controls.

Enclosed is a summary of the site change being made, the NYSDEC Change of Use Notification Form, and site plans showing the location and pertinent details of the addition to be made.

Please contact the undersigned if there are any questions regarding this notice of the project.

NYSDEC  
28 August 2017  
Page 2

Sincerely yours,  
HALEY & ALDRICH OF NEW YORK

Mark N. Ramsdell, P.E.  
Senior Project Manager

Vincent B. Dick  
Senior Vice President

C: C. Marraro, Baker-Hostetler  
J. Mazurowski, CooperVision

Enclosures:

Change of Use Form  
Description of Change  
Drawing S100, Site Plan  
Drawing S101, Foundation Plan  
Preliminary Equipment Layout

\\haleyaldrich.com\share\roc\_common\70665 CooperVision\0000-Ongoing Support\2017-Utility Room Addition\2017-0828\_NYSDEC Change of Use\_Final.docx

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**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:** 711 North Road (CooperVision) **DEC Site ID No.** V00175

**II. Contact Information of Person Submitting Notification:**

Name: James Mazurowski  
Address1: 711 North Road  
Address2: Scottsville, NY 14546  
Phone: 585-756-9008 E-mail: jmazurowski@coopervision.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): 12/01/2017

**IV. Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Westside Utility Building Addition - see attached description and drawings

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).

See attached.

- 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: NOT APPLICABLE -ownership and management remains the same  
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: NOT APPLICABLE -ownership remains the same  
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:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. 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: \_\_\_\_\_

**Change of Use Notification**  
**711 North Road (CooperVision)**  
**NYSDEC ID: V00175**  
**25 August 2017**  
**Project Name: *West Side Utility Building Addition***

**Change of Use:**

This change of use notification is for a new building addition that, once completed, will be an unoccupied 2,141-sf addition, housing relocated facility utility equipment.

Please see the follow attached Utility Building (West side) drawings:

- S100 – Site Plan
- S101 – Foundation Plan
- Preliminary Equipment layout

**Site Ownership/Management:** There will be no change in site ownership or management.

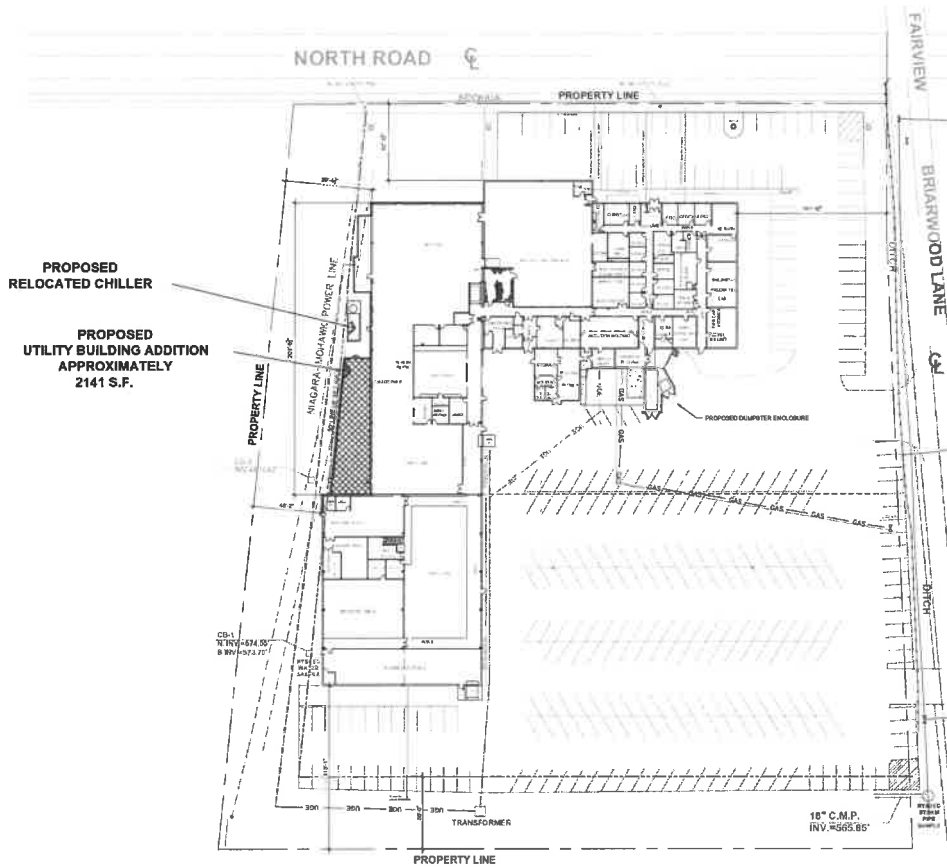
**Site Contamination:** The location of this project is in an area west of and outside the location of original site contamination and therefore will have no effect on existing contamination or site management. The addition will be a slab-on-grade structure with spread-footing foundation.

The location of the addition is also outside the zone of influence of the existing site sub-slab depressurization (SSD) system operated beneath the main building at the site. There is a segregating foundation wall along the west exterior wall of the existing building that will remain in place, separating shallow subsurface communication of the main building from this new addition.

Note that a building addition, nearly identical to the current project, took place in 2013 and immediately north of the current proposed utility addition. Test pits were excavated prior to that addition and showed no evidence of contamination in either field PID and visual screening, or laboratory analyses of soil samples.

Soils for the current project will be screened during ground-intrusive work associated with the new addition, and documented and included in the next site Periodic Review Report (PRR).

**Schedule:** Notification of soil excavation was provided in accordance with the approved Site Management Plan by email from Haley & Aldrich (Mark Ramsdell, P.E.) to NYSDEC (Frank Sowers, P.E.) on August 18, 2017, 30-days ahead of CooperVision's intended start of foundation excavation. The building completion and installation of equipment is anticipated to start December 1, 2017.



- LEGEND:**
- PROPERTY BOUNDARY
  - LOCATION OF KNOWN NATURAL GAS PIPELINE UTILITIES
  - LOCATION OF KNOWN WATER UTILITIES

- NOTES:**
1. PLAN BASED ON "ALTAIRCHAM LAND TITLE SURVEY MAY" PREPARED BY RONALD W. STAM LAND SURVEYORS, ROCHESTER, NEW YORK, DATED 12/17/06.
  2. FACILITY INTERIOR USES ACCURATE AS TO DATE OF SURVEY, BUT MAY CHANGE OVER TIME.
  3. GAS PIPELINE LOCATIONS BASED ON RECORDS PROVIDED BY RG&E AND ATLANTIC SURVEYING & MAPPING.
  4. PROPERTY BOUNDARIES BASED ON RECORDS FROM MONROE COUNTY AND ATLANTIC SURVEYING & MAPPING.

PROPERTY LOT SIZE 226,902.88 SQ.FT.  
EXISTING BUILDING 81,203.17 SQ.FT. (22.66%)

CURRENTLY PLANNED EXPANSION  
CENTRAL UTILITIES BUILDING  
PROPOSED ADDITION 2,141 SQ.FT.  
TOTAL BUILDING 83,344.17 SQ.FT. (23.66%)

**SITE PLAN**  
1" = 30' 0"

**COOPERVISION  
CENTRAL UTILITIES BUILDING**  
711 NORTH ROAD SCOTTSVILLE, NY 14546

| Rev. | Description/Comments | Date    |
|------|----------------------|---------|
| 1    | ISSUED FOR           | 2/25/17 |

**Progress Print**  
NOT FOR CONSTRUCTION  
PRINT DATE: 2/25/2017

**HBC CORNERSTONE**  
40 Denney Road, Suite 100  
Fairport, NY 14455  
800-451-8847 • 516-432-0017

40 Denney Road, Suite 100  
Fairport, NY 14455  
800-451-8847 • 516-432-0017

Drawing Title  
**SITE PLAN**

Project No.  
Date: 2/25/17

Sheet No.  
**S100**

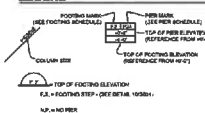
Sheet 1 of 2

1. DATA IS FINISHED FLOOR = -2NF.
2. SLAB ON GRADE IS 8" THICK REINFORCED WITH 8#42.500 @ 1400.

2. SLAB ON GRADE IS 8" THICK REINFORCED WITH #4-W2.0WU @ 14WVF.

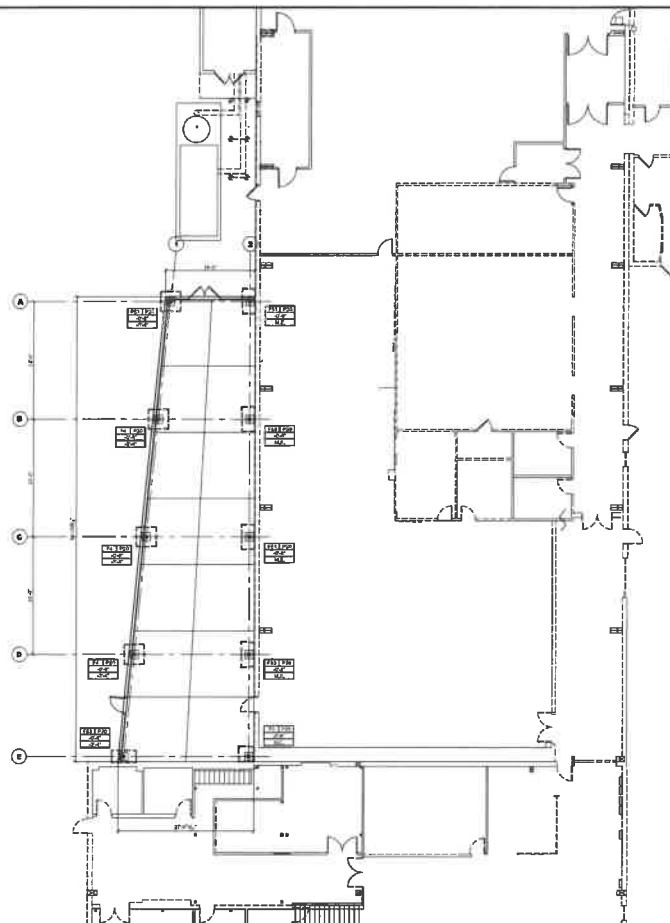
2. SLAB ON GRADE IS 8" THICK REINFORCED WITH #4-W2.0WU @ 14WVF.

**ACKNOWLEDGMENTS**



| FOOTING SCHEDULE |            |       |                           |
|------------------|------------|-------|---------------------------|
| MARK             | DIMENSIONS | DEPTH | REMARKS                   |
| F1               | 5'-0" x 8" | 2'-0" | W/ 2" x 2" E.A. W/AY BOT. |
| F2               | 5'-0" x 8" | 2'-0" | W/ 2" x 2" E.A. W/AY BOT. |
| F3               | 5'-0" x 8" | 2'-0" | W/ 2" x 2" E.A. W/AY BOT. |

| PIER SCHEDULE |                |                                     |
|---------------|----------------|-------------------------------------|
| PIER NO.      | VERTICAL CURVE | PIER TYPE                           |
| P20           | T-2+T-4        | STEEL VERTICAL, w/o TIES @ 12" O.C. |
| P21           | T-2+T-4        | STEEL VERTICAL, w/o TIES @ 12" O.C. |
| P22           | T-2+T-4        | STEEL VERTICAL, w/o TIES @ 12" O.C. |



**COOPERVISION**  
**CENTRAL UTILITIES BUILDING**  
711 NORTH ROAD SCOTTSVILLE, NY 14546

| No. | Revisions/Comments | Date       |
|-----|--------------------|------------|
| 1   | PROCESSES          | 2023/01/01 |
|     |                    |            |
|     |                    |            |
|     |                    |            |
|     |                    |            |

**James B. W.**  
**ENGINEERING, LLC**  
Structural Engineering Consultants  
1053 EAST MAIN STREET  
ROCHESTER, NEW YORK 14609  
phone: (585) 433-6130  
fax: (585) 433-6440  
[www.jbwengr.com](http://www.jbwengr.com)

**HB CORNERSTONE**  
29 Ramsey Road, Suite 180  
Pittsford, NY 14234  
202.419.0000 P • 202.419.0054 F

**DMC ARCHITECTURE**  
69 Broadway Blvd., Suite 101  
Pittsford, NY 14634  
516.433.0000 F • 516.433.0040 P

Drawing Title  
**FOUNDATION PLAN**

Project No. 00-290,0

our: as noted

|                |              |
|----------------|--------------|
| Date: 08/28/17 | Drawn By: JV |
|----------------|--------------|

Driving file.

**\$101**





HALEY & ALDRICH OF NEW YORK  
200 Town Centre Drive  
Suite 2  
Rochester, NY 14623  
585.359.9000

11 September 2017  
File No. 129375-002

New York State Department of Environmental Conservation  
Division of Environmental Remediation  
625 Broadway  
Albany NY 12233-7020

Attention: Chief, Site Control Section

Subject: CooperVision Notification of Demolition and Construction  
711 North Road (CooperVision)  
NYSDEC Site ID: V00175

Ladies and Gentlemen:

This packet provides notification to NYSDEC. Pursuant to sections 2.3 and 2.5.1 of the approved Site Management Plan for the above referenced site, CooperVision, Inc. provides notice of excavation activities in connection with the construction of a new employee entrance at the Scottsville facility. Please note that we do not believe formal Notification of Change of Use for this site is required under 6 NYCRR Part 375 because it was remediated under the NYSDEC Voluntary Cleanup Agreement Program and the only notifications required under the facility's Site Management Plan is a 30-day notification in advance of site excavation. Without conceding the applicability of 6 NYCRR Part 375, we are making a 60-day notification to be responsive to a request from Mr. Frank Sowers, NYSDEC's Project Manager for the site in NYSDEC Region 8. The project site is not listed on NYSDEC's Registry of Inactive Hazardous Waste Sites, and it is not in the NYSDEC Brownfield Cleanup Agreement Program or the NYSDEC Environmental Restoration Program. Also, site ownership and/or management is not changing.

This addition will involve excavation for and construction of a New Employee Entrance addition, located centrally on the south side of the overall facility structure, and within the original site zone of contamination. This will involve demolition of an existing storage structure on the south side of the facility, and subsequent construction of an approximate 2,800-sf addition that will occupy the footprint of the previous storage structure as well as a current outdoor area immediately west of the storage structure – please see the attached site plan with the addition labeled. The new addition will create a new entrance and house a new cafeteria, employee closet space, and a nurse's station/employee medical observation room. This location is inside the area of original site contamination that was the basis for the Voluntary Cleanup Agreement, and will affect the site engineering controls, including the monitoring well network and the sub-slab depressurization system (SSDS). Coopervision is currently going through architect selection with plans to initiate construction in December 2017. To address the effects on the area of original contamination, CooperVision is planning on the following:



- The monitoring wells located within the footprint of the construction area will be selectively replaced outside and adjacent to the addition area for continued use under the Site Management Plan.
- Contaminated soils that are encountered during construction, their management, and health & safety during construction will conform with the Site Management Plan and requirements for excavation.
- The SSDS will be expanded to include the footprint of the new addition; its monitoring and reporting will be incorporated into routine site management, documentation and reporting through the routine site PRR process.

Enclosed is a summary of the planned construction (using the Change of Use Form for convenience only), and conceptual site plan showing the location of the addition to be made. This is preliminary and more details will be provided if they arise through site design and deviate from this notice.

Please contact the undersigned if there are any questions regarding this notice of the project.

Sincerely yours,  
HALEY & ALDRICH OF NEW YORK



Mark N. Ramsdell, P.E.  
Senior Project Manager



Vincent B. Dick  
Senior Vice President

C: C. Marraro, Baker-Hostetler  
J. Mazurowski, CooperVision

Enclosures:

Change of Use Form  
Description of Change  
Preliminary Site Plan with New Employee Entrance Addition

\\haleyaldrich.com\share\roc\_common\70665 CooperVision\0000-Ongoing Support\2017 - New Employee Entrance\2017-0911\_NYSDEC Change of Use\_F.docx

**711 North Road (CooperVision)**

**NYSDEC ID: V00175**

**11 September 2017**

**Project Name: *New Employee Entrance Building Addition***

**Construction and Excavation of New Addition:**

This Notice is for excavation and construction of a new building addition that, once completed, will be a new entranceway, cafeteria, nurse's office and medical observation room for the employees. The building addition will be located in the courtyard and the footprint of an existing storage structure to be demolished to make way for the addition.

Please see the attached New Employee Entrance drawing.

**Site Ownership/Management:** There will be no change in site ownership or management.

**Site Contamination:** The location of this project is within part of the original source area of the site contamination and therefore may influence existing contamination and site management. The addition will be a slab-on-grade structure with spread-footing foundation.

The location of this addition is inside the zone of influence of the existing site sub-slab depressurization (SSD) system operated beneath the main building at the site. This system will be modified to maintain the existing design criteria of 0.002 in.w.c. in the sub slab. The details of the new addition have not been finalized, but any suction pits and test points will be moved, abandoned or replaced to maintain the vacuum coverage of the existing, and expanded to underlie the new addition structure.

The location of this addition will impact existing monitoring wells in the area. The details of the new addition have not been finalized, but several wells would need to be abandoned and grouted in place and selectively replaced with new wells to continue the groundwater monitoring for the remedial program consistent with the Site Management Plan.

Soils for this project will be screened during ground-intrusive work associated with the new addition. The screening will segregate and manage soils per the existing Site Management plan and will be documented and included in the next site Periodic Review Report (PRR).

**Schedule:** The tentative building construction is anticipated to start December 15, 2017.



**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:** 711 North Road **DEC Site ID No.** V00175

II. **Contact Information of Person Submitting Notification:**

Name: James Mazurowski  
Address1: 711 North Road  
Address2: Scottsville, NY 14546  
Phone: 585-756-9008 E-mail: jmazurowski@coopervision.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): 12/15/2017

IV. **Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

New Employee Entrance Building addition - see attached description and drawings.

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).

See attached.

- 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: NOT APPLICABLE - ownership remains the same  
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:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. 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: \_\_\_\_\_

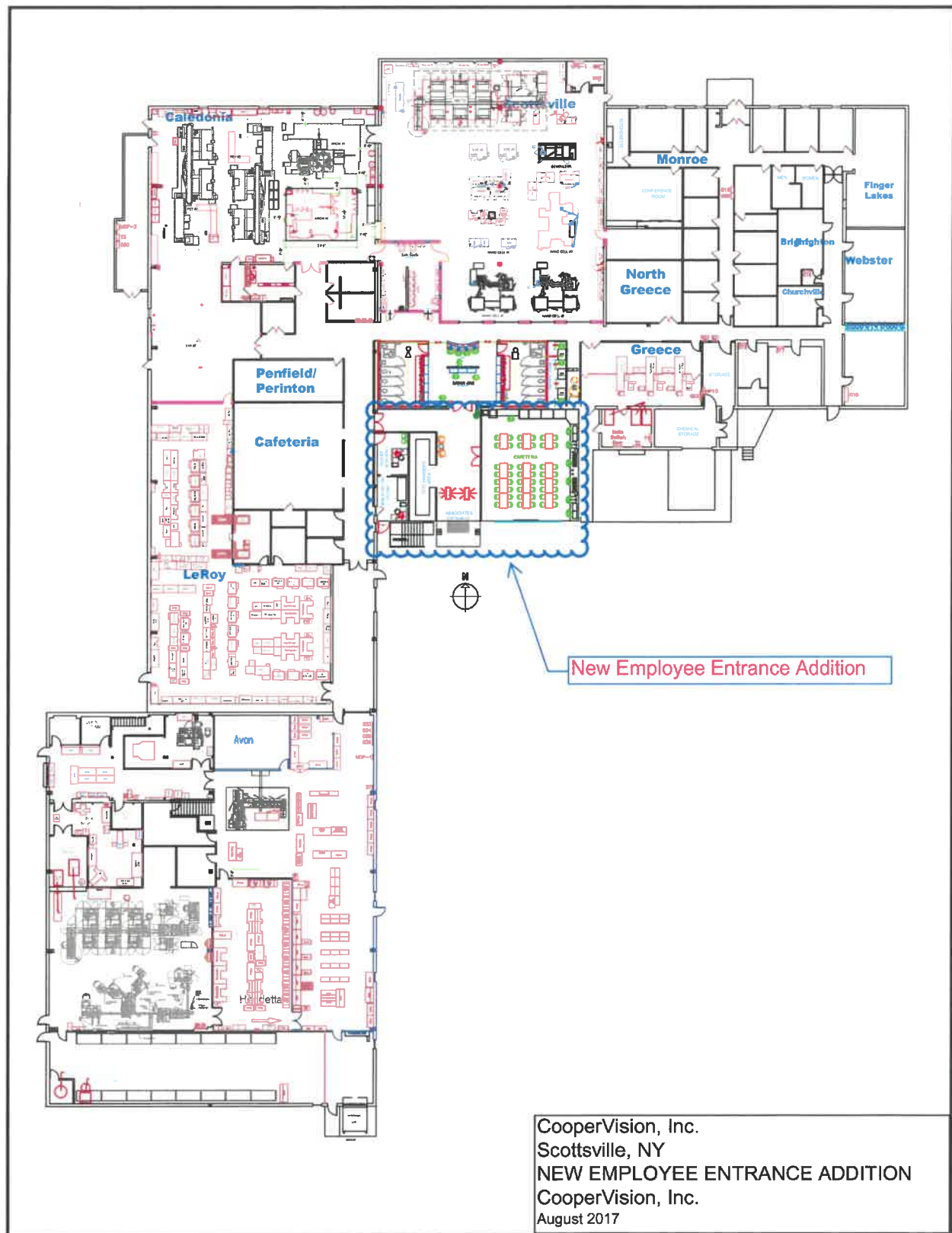
Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative  
Name: \_\_\_\_\_

Address1: \_\_\_\_\_

Address2: \_\_\_\_\_

Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_





## **APPENDIX C**

### **2017 and 2018 Renovations Building Permit**



Offices of Building, Codes and Fire Marshal  
22 Main Street, Suite 3, Scottsville NY 14546

Tel: (585) 889-6050

Fax: (585) 889-2505

code@scottsvillenyny.org

# BUILDING PERMIT

Permit No:

SP2017-054

Date:

10/11/17

ADDRESS:

711 NORTH ROAD

OWNER:

COOPERVISION

tax ID #

zoning classification

variance date

permitted setbacks

Work to be completed:

2140 sq ADDITION

Owner:

Same

Contractor:

H/S

Address:

Same

Address:

This notice is to be fastened in the front window of the building for which it is issued plainly by all persons. Call for all inspections listed on back of permit.

All work must be completed in accordance with applicable Federal, NY State Building Code and Village of Scottsville local Codes.

Permit expires one (1) year from date of issuance.

Code Enforcement Officer

Fee

**INSPECTIONS:**

All noted inspections listed below are required, when scheduling your inspections please allow the Village 24 hours notice. The Code Enforcement Officer is present Mondays, Thursdays and Fridays. A CERTIFICATE OF COMPLIANCE or a CERTIFICATE OF OCCUPANCY will not be issued until all required inspections and a final inspection has been completed.

**ELECTRICAL INSPECTIONS:**

It is the property Owner's and or Contractor's responsibility to contact one of the 3 approved Electrical Inspection agencies listed below.

- Commonwealth Electric Inspection Agency (585) 367-2779
- Middle Department Inspection Agency (585) 454-5191
- New York Electrical Inspection Agency (585) 230-4186

| Required | Inspection Type            | PASS/FAIL | REASON | INSPECTOR |
|----------|----------------------------|-----------|--------|-----------|
| Yes [ ]  | Pre-permit site inspection |           |        |           |
| Yes [ ]  | Footing (BEFORE CONCRETE)  |           |        |           |
| Yes [ ]  | Foundation                 |           |        |           |
| Yes [ ]  | Backfill/water proofing    |           |        |           |
| Yes [ ]  | Framing/trusses            |           |        |           |
| Yes [ ]  | heating/mechanical         |           |        |           |
| Yes [ ]  | vapor barrier/pre concrete |           |        |           |
| Yes [ ]  | Drain tile                 |           |        |           |
| Yes [ ]  | Electrical (rough)         |           |        |           |
| Yes [ ]  | Electrical (final)         |           |        |           |
| Yes [ ]  | Insulation- subgrade/slab  |           |        |           |
| Yes [ ]  | Insulation                 |           |        |           |
| Yes [ ]  | Insulation - blown in      |           |        |           |
| Yes [ ]  | Mechanical/heat            |           |        |           |
| Yes [ ]  | Plumbing - under slab      |           |        |           |
| Yes [ ]  | Plumbing (rough)           |           |        |           |
| Yes [ ]  | Plumbing (final)           |           |        |           |
| Yes [ ]  | Final Grading              |           |        |           |
| Yes [ ]  | SD/CO                      |           |        |           |
| Yes [ ]  | Certificate of Occupancy   |           |        |           |
| Yes [ ]  | Certificate of Compliance  |           |        |           |

**Roofing**

|         |                              |  |  |  |
|---------|------------------------------|--|--|--|
| Yes [ ] | Re-Roof Preliminary          |  |  |  |
| Yes [ ] | Roof - Ice Barrier/Sheathing |  |  |  |
| Yes [ ] | Final inspection (C of C)    |  |  |  |

**Swimming Pools**

|         |                           |  |  |  |
|---------|---------------------------|--|--|--|
| Yes [ ] | Pre-pool (stake out)      |  |  |  |
| Yes [ ] | Electrical                |  |  |  |
| Yes [ ] | Air/barrier               |  |  |  |
| Yes [ ] | Final Inspection (C of C) |  |  |  |

**Decks**

|         |                           |  |  |  |
|---------|---------------------------|--|--|--|
| Yes [ ] | Footing (BEFORE CONCRETE) |  |  |  |
| Yes [ ] | Framing                   |  |  |  |
| Yes [ ] | Final Inspection (C of C) |  |  |  |





Offices of Building, Codes and Fire Marshal  
22 Main Street, Suite 3, Scottsville NY 14546  
Tel: (585) 889-6050  
Fax: (585) 889-2505  
code@scottsvilleny.org

# BUILDING PERMIT

Permit No: BP2018-015

Date: April 19, 2018

ADDRESS: 711 North Road

OWNER: Coopervision

tax ID #: 187.17-1-18.1

zoning classification: L-1

Work to be completed:

**Cafeteria**

OWNER: Coopervision

Contractor: HAMILTON STERN CONST.

ADDRESS: 711 North Road

Address: 3850 MONROE AVE.  
PITTSFORD, NY 14534

This notice is to be fastened in the front window of the building for which it is issued plainly by all persons. Call for all inspections listed on back of permit.

All work must be completed in accordance with applicable Federal, NY State Building Code and Village of Scottsville local Codes.

Permit expires one (1) year from date of issuance.

  
Code Enforcement Officer

Fee \$969.00

## **APPENDIX D**

### **Soil Analytical Data and Disposal Documentation**



## ANALYTICAL REPORT

|                 |                                                                                 |
|-----------------|---------------------------------------------------------------------------------|
| Lab Number:     | L1731624                                                                        |
| Client:         | Haley & Aldrich<br>200 Town Centre Drive<br>Suite 2<br>Rochester, NY 14623-4264 |
| ATTN:           | Mark Ramsdell                                                                   |
| Phone:          | (585) 359-9000                                                                  |
| Project Name:   | COOPER VISION                                                                   |
| Project Number: | 129375-002 SID4                                                                 |
| Report Date:    | 09/11/17                                                                        |

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), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** COOPER VISION  
**Project Number:** 129375-002 SID4

**Lab Number:** L1731624  
**Report Date:** 09/11/17

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b>  | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|-------------------|---------------|----------------------------|---------------------------------|---------------------|
| L1731624-01                | UBA01-090717-1415 | SOIL          | SCOTTSVILLE, NY            | 09/07/17 14:15                  | 09/07/17            |

**Project Name:** COOPER VISION  
**Project Number:** 129375-002 SID4

**Lab Number:** L1731624  
**Report Date:** 09/11/17

### 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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### 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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

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**Project Name:** COOPER VISION  
**Project Number:** 129375-002 SID4

**Lab Number:** L1731624  
**Report Date:** 09/11/17

**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.

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: 09/11/17

## METALS

**Project Name:** COOPER VISION  
**Project Number:** 129375-002 SID4

**Lab Number:** L1731624  
**Report Date:** 09/11/17

**SAMPLE RESULTS**

**Lab ID:** L1731624-01  
**Client ID:** UBA01-090717-1415  
**Sample Location:** SCOTTSVILLE, NY  
**Matrix:** Soil

**Date Collected:** 09/07/17 14:15  
**Date Received:** 09/07/17  
**Field Prep:** Not Specified  
**TCLP/SPLP Ext. Date:** 09/08/17 06:18

| 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                           | 0.038  | J         | mg/l  | 1.00   | 0.019  | 1               | 09/09/17 10:46 | 09/09/17 13:14 | EPA 3015    | 1,6010C           | AM      |
| Barium, TCLP                            | 0.391  | J         | mg/l  | 0.500  | 0.021  | 1               | 09/09/17 10:46 | 09/09/17 13:14 | EPA 3015    | 1,6010C           | AM      |
| Cadmium, TCLP                           | ND     |           | mg/l  | 0.100  | 0.010  | 1               | 09/09/17 10:46 | 09/09/17 13:14 | EPA 3015    | 1,6010C           | AM      |
| Chromium, TCLP                          | ND     |           | mg/l  | 0.200  | 0.021  | 1               | 09/09/17 10:46 | 09/09/17 13:14 | EPA 3015    | 1,6010C           | AM      |
| Lead, TCLP                              | ND     |           | mg/l  | 0.500  | 0.027  | 1               | 09/09/17 10:46 | 09/09/17 13:14 | EPA 3015    | 1,6010C           | AM      |
| Mercury, TCLP                           | ND     |           | mg/l  | 0.0010 | 0.0003 | 1               | 09/09/17 11:30 | 09/09/17 17:30 | EPA 7470A   | 1,7470A           | BV      |
| Selenium, TCLP                          | ND     |           | mg/l  | 0.500  | 0.035  | 1               | 09/09/17 10:46 | 09/09/17 13:14 | EPA 3015    | 1,6010C           | AM      |
| Silver, TCLP                            | ND     |           | mg/l  | 0.100  | 0.028  | 1               | 09/09/17 10:46 | 09/09/17 13:14 | EPA 3015    | 1,6010C           | AM      |



Project Name: COOPER VISION

Lab Number: L1731624

Project Number: 129375-002 SID4

Report Date: 09/11/17

## Method Blank Analysis Batch Quality Control

| Parameter                                                                    | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1040012-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Arsenic, TCLP                                                                | 0.035  | J         | mg/l  | 1.00  | 0.019 | 1                  | 09/09/17 10:46   | 09/09/17 12:53   | 1,6010C              | AM      |
| Barium, TCLP                                                                 | ND     |           | mg/l  | 0.500 | 0.021 | 1                  | 09/09/17 10:46   | 09/09/17 12:53   | 1,6010C              | AM      |
| Cadmium, TCLP                                                                | ND     |           | mg/l  | 0.100 | 0.010 | 1                  | 09/09/17 10:46   | 09/09/17 12:53   | 1,6010C              | AM      |
| Chromium, TCLP                                                               | ND     |           | mg/l  | 0.200 | 0.021 | 1                  | 09/09/17 10:46   | 09/09/17 12:53   | 1,6010C              | AM      |
| Lead, TCLP                                                                   | ND     |           | mg/l  | 0.500 | 0.027 | 1                  | 09/09/17 10:46   | 09/09/17 12:53   | 1,6010C              | AM      |
| Selenium, TCLP                                                               | ND     |           | mg/l  | 0.500 | 0.035 | 1                  | 09/09/17 10:46   | 09/09/17 12:53   | 1,6010C              | AM      |
| Silver, TCLP                                                                 | ND     |           | mg/l  | 0.100 | 0.028 | 1                  | 09/09/17 10:46   | 09/09/17 12:53   | 1,6010C              | AM      |

### Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/08/17 06:18

| Parameter                                                                    | Result | Qualifier | Units | RL     | MDL    | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------------|--------|-----------|-------|--------|--------|--------------------|------------------|------------------|----------------------|---------|
| TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1040018-1 |        |           |       |        |        |                    |                  |                  |                      |         |
| Mercury, TCLP                                                                | ND     |           | mg/l  | 0.0010 | 0.0003 | 1                  | 09/09/17 11:30   | 09/09/17 17:21   | 1,7470A              | BV      |

### Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/08/17 06:18

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COOPER VISION

**Project Number:** 129375-002 SID4

**Lab Number:** L1731624

**Report Date:** 09/11/17

| Parameter                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|-------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1040012-2 |                  |      |                   |      |                     |     |      |            |
| Arsenic, TCLP                                                                       | 108              |      | -                 |      | 75-125              | -   |      | 20         |
| Barium, TCLP                                                                        | 104              |      | -                 |      | 75-125              | -   |      | 20         |
| Cadmium, TCLP                                                                       | 107              |      | -                 |      | 75-125              | -   |      | 20         |
| Chromium, TCLP                                                                      | 108              |      | -                 |      | 75-125              | -   |      | 20         |
| Lead, TCLP                                                                          | 102              |      | -                 |      | 75-125              | -   |      | 20         |
| Selenium, TCLP                                                                      | 109              |      | -                 |      | 75-125              | -   |      | 20         |
| Silver, TCLP                                                                        | 111              |      | -                 |      | 75-125              | -   |      | 20         |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1040018-2 |                  |      |                   |      |                     |     |      |            |
| Mercury, TCLP                                                                       | 120              |      | -                 |      | 80-120              | -   |      |            |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** COOPER VISION  
**Project Number:** 129375-002 SID4

**Lab Number:** L1731624  
**Report Date:** 09/11/17

| Parameter                                                                                                                             | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1040012-3 QC Sample: L1730210-20 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Arsenic, TCLP                                                                                                                         | 0.043J        | 1.2      | 1.27     | 106          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Barium, TCLP                                                                                                                          | 1.01          | 20       | 21.2     | 101          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Cadmium, TCLP                                                                                                                         | ND            | 0.51     | 0.532    | 104          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Chromium, TCLP                                                                                                                        | ND            | 2        | 2.09     | 104          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Lead, TCLP                                                                                                                            | ND            | 5.1      | 5.12     | 100          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Selenium, TCLP                                                                                                                        | ND            | 1.2      | 1.26     | 105          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Silver, TCLP                                                                                                                          | ND            | 0.5      | 0.535    | 107          |      | -         | -             |      | 75-125          | -   |      | 20         |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1040018-3 QC Sample: L1731495-01 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, TCLP                                                                                                                         | ND            | 0.025    | 0.0300   | 120          |      | -         | -             |      | 80-120          | -   |      | 20         |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** COOPER VISION  
**Project Number:** 129375-002 SID4

**Lab Number:** L1731624  
**Report Date:** 09/11/17

| Parameter                                                                                                                              | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1040012-4 QC Sample: L1730210-20 Client ID: DUP Sample |               |                  |       |     |      |            |
| Lead, TCLP                                                                                                                             | ND            | ND               | mg/l  | NC  |      | 20         |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1040018-4 QC Sample: L1731495-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Mercury, TCLP                                                                                                                          | ND            | ND               | mg/l  | NC  |      | 20         |



**Project Name:** COOPER VISION  
**Project Number:** 129375-002 SID4

Serial\_No:09111712:37  
**Lab Number:** L1731624  
**Report Date:** 09/11/17

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

| <b>Cooler</b> | <b>Custody Seal</b> |
|---------------|---------------------|
| A             | Absent              |

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                 | <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b>                                                                    |
|---------------------|---------------------------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|---------------------------------------------------------------------------------------|
| L1731624-01A        | Glass 250ml/8oz unpreserved           | A             | NA                    |                     | 4.0                   | Y           | Absent      |                             | -                                                                                     |
| L1731624-01X        | Plastic 120ml HNO3 preserved Extracts | A             | NA                    |                     | 4.0                   | Y           | Absent      |                             | CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180) |
| L1731624-01X9       | Tumble Vessel                         | A             | NA                    |                     | 4.0                   | Y           | Absent      |                             | -                                                                                     |

**Project Name:** COOPER VISION  
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**Lab Number:** L1731624  
**Report Date:** 09/11/17

## GLOSSARY

### Acronyms

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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).                        |
| 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.                                                                                                                                                                                                                                                        |
| 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.                                                                                                                                                                                                                                                  |
| 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.                                                                                                                                                                                                                                                                                                                                                                                               |
| 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

- 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.

**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.

**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 Condensation Product".
- 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

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** COOPER VISION  
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#### Data Qualifiers

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.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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 exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- 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).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** COOPER VISION  
**Project Number:** 129375-002 SID4

**Lab Number:** L1731624  
**Report Date:** 09/11/17

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



**Alpha Analytical, Inc.**

ID No.:17873

Facility: **Company-wide**

Revision 10

Department: **Quality Assurance**

Published Date: 1/16/2017 11:00:05 AM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

**Certification Information**

The following analytes are not included in our Primary NELAP Scope of Accreditation:

**Westborough Facility****EPA 624:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 300:** DW: Bromide**EPA 6860:** NPW and SCM: Perchlorate**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation**EPA 9012B:** NPW: Total Cyanide**EPA 9050A:** NPW: Specific Conductance**SM3500:** NPW: Ferrous Iron**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**SM5310C:** DW: Dissolved Organic Carbon**Mansfield Facility****SM 2540D:** TSS**EPA 3005A** NPW**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

**Westborough Facility:****Drinking Water****EPA 300.0:** 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****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, 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 624:** Volatile Halocarbons & Aromatics,**EPA 608:** 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:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.****Mansfield Facility:****Drinking Water****EPA 200.7:** Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.****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, Pb, Mn, Ni, Se, Ag, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.







## ANALYTICAL REPORT

|                 |                                                                                 |
|-----------------|---------------------------------------------------------------------------------|
| Lab Number:     | L1746283                                                                        |
| Client:         | Haley & Aldrich<br>200 Town Centre Drive<br>Suite 2<br>Rochester, NY 14623-4264 |
| ATTN:           | Mark Ramsdell                                                                   |
| Phone:          | (585) 359-9000                                                                  |
| Project Name:   | COOPER VISION                                                                   |
| Project Number: | 129375-002                                                                      |
| Report Date:    | 12/18/17                                                                        |

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), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** COOPER VISION  
**Project Number:** 129375-002

**Lab Number:** L1746283  
**Report Date:** 12/18/17

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L1746283-01                | 7006-121817-1200 | SOIL          | SCOTTSVILLE, NY            | 12/14/17 12:00                  | 12/14/17            |



**Project Name:** COOPER VISION  
**Project Number:** 129375-002

**Lab Number:** L1746283  
**Report Date:** 12/18/17

### 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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### 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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

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**Project Name:** COOPER VISION  
**Project Number:** 129375-002

**Lab Number:** L1746283  
**Report Date:** 12/18/17

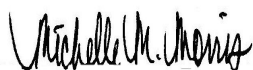
**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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:



Michelle M. Morris

Title: Technical Director/Representative

Date: 12/18/17

## METALS

Project Name: COOPER VISION

Lab Number: L1746283

Project Number: 129375-002

Report Date: 12/18/17

## SAMPLE RESULTS

Lab ID: L1746283-01  
 Client ID: 7006-121817-1200  
 Sample Location: SCOTTSVILLE, NY  
 Matrix: Soil

Date Collected: 12/14/17 12:00  
 Date Received: 12/14/17  
 Field Prep: Not Specified  
 TCLP/SPLP Ext. Date: 12/16/17 07:02

| 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               | 12/18/17 12:38 | 12/18/17 13:54 | EPA 3015    | 1,6010C           | AB      |
| Barium, TCLP                            | 0.629  |           | mg/l  | 0.500  | 0.021  | 1               | 12/18/17 12:38 | 12/18/17 13:54 | EPA 3015    | 1,6010C           | AB      |
| Cadmium, TCLP                           | ND     |           | mg/l  | 0.100  | 0.010  | 1               | 12/18/17 12:38 | 12/18/17 13:54 | EPA 3015    | 1,6010C           | AB      |
| Chromium, TCLP                          | ND     |           | mg/l  | 0.200  | 0.021  | 1               | 12/18/17 12:38 | 12/18/17 13:54 | EPA 3015    | 1,6010C           | AB      |
| Lead, TCLP                              | ND     |           | mg/l  | 0.500  | 0.027  | 1               | 12/18/17 12:38 | 12/18/17 13:54 | EPA 3015    | 1,6010C           | AB      |
| Mercury, TCLP                           | ND     |           | mg/l  | 0.0010 | 0.0003 | 1               | 12/18/17 09:50 | 12/18/17 12:32 | EPA 7470A   | 1,7470A           | MG      |
| Selenium, TCLP                          | ND     |           | mg/l  | 0.500  | 0.035  | 1               | 12/18/17 12:38 | 12/18/17 13:54 | EPA 3015    | 1,6010C           | AB      |
| Silver, TCLP                            | ND     |           | mg/l  | 0.100  | 0.028  | 1               | 12/18/17 12:38 | 12/18/17 13:54 | EPA 3015    | 1,6010C           | AB      |



Project Name: COOPER VISION

Lab Number: L1746283

Project Number: 129375-002

Report Date: 12/18/17

## Method Blank Analysis Batch Quality Control

| Parameter                                                                    | Result | Qualifier | Units | RL     | MDL    | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------------|--------|-----------|-------|--------|--------|--------------------|------------------|------------------|----------------------|---------|
| TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1073845-1 |        |           |       |        |        |                    |                  |                  |                      |         |
| Mercury, TCLP                                                                | ND     |           | mg/l  | 0.0010 | 0.0003 | 1                  | 12/18/17 09:50   | 12/18/17 12:28   | 1,7470A              | MG      |

### Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 12/16/17 07:02

| Parameter                                                                    | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1073916-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Arsenic, TCLP                                                                | ND     |           | mg/l  | 1.00  | 0.019 | 1                  | 12/18/17 12:38   | 12/18/17 13:49   | 1,6010C              | AB      |
| Barium, TCLP                                                                 | 0.026  | J         | mg/l  | 0.500 | 0.021 | 1                  | 12/18/17 12:38   | 12/18/17 13:49   | 1,6010C              | AB      |
| Cadmium, TCLP                                                                | ND     |           | mg/l  | 0.100 | 0.010 | 1                  | 12/18/17 12:38   | 12/18/17 13:49   | 1,6010C              | AB      |
| Chromium, TCLP                                                               | ND     |           | mg/l  | 0.200 | 0.021 | 1                  | 12/18/17 12:38   | 12/18/17 13:49   | 1,6010C              | AB      |
| Lead, TCLP                                                                   | ND     |           | mg/l  | 0.500 | 0.027 | 1                  | 12/18/17 12:38   | 12/18/17 13:49   | 1,6010C              | AB      |
| Selenium, TCLP                                                               | ND     |           | mg/l  | 0.500 | 0.035 | 1                  | 12/18/17 12:38   | 12/18/17 13:49   | 1,6010C              | AB      |
| Silver, TCLP                                                                 | ND     |           | mg/l  | 0.100 | 0.028 | 1                  | 12/18/17 12:38   | 12/18/17 13:49   | 1,6010C              | AB      |

### Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 12/16/17 07:02

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** COOPER VISION

**Project Number:** 129375-002

**Lab Number:** L1746283

**Report Date:** 12/18/17

| Parameter                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|-------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1073845-2 |                  |      |                   |      |                     |     |      |            |
| Mercury, TCLP                                                                       | 89               |      | -                 |      | 80-120              | -   |      |            |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1073916-2 |                  |      |                   |      |                     |     |      |            |
| Arsenic, TCLP                                                                       | 102              |      | -                 |      | 75-125              | -   |      | 20         |
| Barium, TCLP                                                                        | 94               |      | -                 |      | 75-125              | -   |      | 20         |
| Cadmium, TCLP                                                                       | 94               |      | -                 |      | 75-125              | -   |      | 20         |
| Chromium, TCLP                                                                      | 94               |      | -                 |      | 75-125              | -   |      | 20         |
| Lead, TCLP                                                                          | 101              |      | -                 |      | 75-125              | -   |      | 20         |
| Selenium, TCLP                                                                      | 105              |      | -                 |      | 75-125              | -   |      | 20         |
| Silver, TCLP                                                                        | 98               |      | -                 |      | 75-125              | -   |      | 20         |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: COOPER VISION

Project Number: 129375-002

Lab Number: L1746283

Report Date: 12/18/17

| Parameter                                                                                                                                    | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1073845-3 QC Sample: L1746283-01 Client ID: 7006-121817-1200 |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, TCLP                                                                                                                                | ND            | 0.025    | 0.0258   | 103          |      | -         | -             |      | 80-120          | -   |      | 20         |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1073916-3 QC Sample: L1746283-01 Client ID: 7006-121817-1200 |               |          |          |              |      |           |               |      |                 |     |      |            |
| Arsenic, TCLP                                                                                                                                | ND            | 1.2      | 1.23     | 102          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Barium, TCLP                                                                                                                                 | 0.629         | 20       | 19.1     | 92           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Cadmium, TCLP                                                                                                                                | ND            | 0.51     | 0.471    | 92           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Chromium, TCLP                                                                                                                               | ND            | 2        | 1.88     | 94           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Lead, TCLP                                                                                                                                   | ND            | 5.1      | 4.93     | 97           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Selenium, TCLP                                                                                                                               | ND            | 1.2      | 1.24     | 103          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Silver, TCLP                                                                                                                                 | ND            | 0.5      | 0.492    | 98           |      | -         | -             |      | 75-125          | -   |      | 20         |

# Lab Duplicate Analysis

## Batch Quality Control

Project Name: COOPER VISION

Project Number: 129375-002

Lab Number: L1746283

Report Date: 12/18/17

| Parameter                                                                                                                                    | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1073845-4 QC Sample: L1746283-01 Client ID: 7006-121817-1200 |               |                  |       |     |      |            |
| Mercury, TCLP                                                                                                                                | ND            | ND               | mg/l  | NC  |      | 20         |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1073916-4 QC Sample: L1746283-01 Client ID: 7006-121817-1200 |               |                  |       |     |      |            |
| Arsenic, TCLP                                                                                                                                | ND            | 0.023J           | mg/l  | NC  |      | 20         |
| Barium, TCLP                                                                                                                                 | 0.629         | 0.616            | mg/l  | 2   |      | 20         |
| Cadmium, TCLP                                                                                                                                | ND            | ND               | mg/l  | NC  |      | 20         |
| Chromium, TCLP                                                                                                                               | ND            | ND               | mg/l  | NC  |      | 20         |
| Lead, TCLP                                                                                                                                   | ND            | ND               | mg/l  | NC  |      | 20         |
| Selenium, TCLP                                                                                                                               | ND            | ND               | mg/l  | NC  |      | 20         |
| Silver, TCLP                                                                                                                                 | ND            | ND               | mg/l  | NC  |      | 20         |



**Project Name:** COOPER VISION**Lab Number:** L1746283**Project Number:** 129375-002**Report Date:** 12/18/17**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information****Cooler**                      **Custody Seal**

A                                  Absent

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                 | <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b>                                                                    |
|---------------------|---------------------------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|---------------------------------------------------------------------------------------|
| L1746283-01A        | Glass 120ml/4oz unpreserved           | A             | NA                    |                     | 2.7                   | Y           | Absent      |                             | -                                                                                     |
| L1746283-01B        | Glass 120ml/4oz unpreserved           | A             | NA                    |                     | 2.7                   | Y           | Absent      |                             | -                                                                                     |
| L1746283-01X        | Plastic 120ml HNO3 preserved Extracts | A             | NA                    |                     | 2.7                   | Y           | Absent      |                             | CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180) |
| L1746283-01X9       | Tumble Vessel                         | A             | NA                    |                     | 2.7                   | Y           | Absent      |                             | -                                                                                     |

**Project Name:** COOPER VISION  
**Project Number:** 129375-002

**Lab Number:** L1746283  
**Report Date:** 12/18/17

## GLOSSARY

### Acronyms

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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).                        |
| 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.                                                                                                                                                                                                                                                        |
| 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.                                                                                                                                                                                                                                                  |
| 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.                                                                                                                                                                                                                                                                                                                                                                                               |
| 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

- 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.

**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.

**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 Condensation Product".
- 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

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** COOPER VISION  
**Project Number:** 129375-002

**Lab Number:** L1746283  
**Report Date:** 12/18/17

#### Data Qualifiers

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.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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 exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- 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).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** COOPER VISION  
**Project Number:** 129375-002

**Lab Number:** L1746283  
**Report Date:** 12/18/17

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



**Alpha Analytical, Inc.**

ID No.:17873

Facility: **Company-wide**

Revision 10

Department: **Quality Assurance**

Published Date: 1/16/2017 11:00:05 AM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

**Certification Information**

The following analytes are not included in our Primary NELAP Scope of Accreditation:

**Westborough Facility****EPA 624:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.**EPA 300:** DW: Bromide**EPA 6860:** NPW and SCM: Perchlorate**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation**EPA 9012B:** NPW: Total Cyanide**EPA 9050A:** NPW: Specific Conductance**SM3500:** NPW: Ferrous Iron**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**SM5310C:** DW: Dissolved Organic Carbon**Mansfield Facility****SM 2540D:** TSS**EPA 3005A** NPW**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

**Westborough Facility:****Drinking Water****EPA 300.0:** 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****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, 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 624:** Volatile Halocarbons & Aromatics,**EPA 608:** 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:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.****Mansfield Facility:****Drinking Water****EPA 200.7:** Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.****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, Pb, Mn, Ni, Se, Ag, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

1746283

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. Alpha Analytical's services under this Chain of Custody shall be performed in accordance with terms and conditions within Blanket Service Agreement# 2015-18-Alpha Analytical by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and Alpha Analytical.





High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1191173

|                  |                                                                         |            |                |        |
|------------------|-------------------------------------------------------------------------|------------|----------------|--------|
| Customer Name    | LGEVANSINC-118245NY LG EVANS                                            | Carrier    | SWAN EQUIPMENT | Volume |
| Ticket Date      | 12/06/2017                                                              | Vehicle#   | 23             |        |
| Payment Type     | Credit Account                                                          | Container  |                |        |
| Manual Ticket#   |                                                                         | Driver     |                |        |
| Hauling Ticket#  |                                                                         | Check#     |                |        |
| Route            |                                                                         | Billing #  | 0007263        |        |
| State Waste Code |                                                                         | Gen EPA ID | NOT REQUIRED   |        |
| Manifest         | NA                                                                      | Grid       | CELL 11        |        |
| Destination      |                                                                         |            |                |        |
| PD               | 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007 |            |                |        |
| Profile          | 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)                             |            |                |        |
| Generator        | 190-COOPERVISION COOPERVISION                                           |            |                |        |

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 12/06/2017 10:26 | A_Scale_1 | PT #603957 |         | Tare  | 79960 lb |
| Out | 12/06/2017 10:26 |           | PT #603957 |         | Net   | 26780 lb |
|     |                  |           |            |         | Tons  | 53180 lb |
|     |                  |           |            |         |       | 26.59    |

Comments

|   | Product            | LDX | Qty   | UOM  | Rate | Fee | Amount | Origin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 26.59 | 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\_\_\_\_\_





23

## NON-HAZARDOUS WASTE MANIFEST

## SITE INFORMATION

Generator Name Copier Vision  
Site Address 711 North Rd.  
City/State/Zip Scotsville NY 14546  
Phone No. \_\_\_\_\_

## MAILING INFORMATION

Company Name L.G. Evans Construction  
Mailing Address 1823 Lakeville Rd.  
City/State/Zip Aurora NY 14414  
Phone No. 585 236 2240

Landfill Profile No. 118245 117

## Description of Waste:

Construction and Demolition Debris

Additional Handling Instructions for Material Listed Above:

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name (Print)

Signature

Shipment Date

UNITS

TRUCK #

TYPE

Transporter Name Super Trucking  
Address 1823 Lakeville Rd  
City/State/Zip Aurora NY 14414  
Phone No. 585 236 2240

Truck No. 23Driver Name Robert StrassnerVehicle License No./State 58087 NY

Transporter's  
US EPA No. Perm. # 8A-1014

I hereby certify that the above named material was delivered with-out incident to  
the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

Facility Name High Acres LandfillAddress 425 Pennington PkwyCity/State/Zip East P. + NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

SCALE TICKET NUMBER

Signature

Receipt Date





High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1192630

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 12/14/2017 Vehicle# 23 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PD 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 12/14/2017 10:18 | A_Scale_1 | JF #600676 |         | Tare  | 66740 lb |
| Out | 12/14/2017 10:18 |           | JF #600676 |         | Net   | 26780 lb |
|     |                  |           |            |         | Tons  | 39960 lb |
|     |                  |           |            |         |       | 19.98    |

Comments

| Product              | LDX | Qty   | UDM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 19.98 | 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 \_\_\_\_\_





23

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

### MAILING INFORMATION

Generator Name Coastal Vision  
Site Address 711 North Rd.  
City/State/Zip Sloatsville ny 14546  
Phone No. \_\_\_\_\_

Company Name LD Evans Construction  
Mailing Address 1823 Lakewood Rd  
City/State/Zip Aurora ny 14414  
Phone No. 585 226 2241

Landfill Profile No. 119245 ny

#### Description of Waste:

Construction & Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK # | TYPE |
|-------|---------|------|
|       |         |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Hogan  
Generator Authorized Agent Name (Print)

[Signature]  
Signature

12-04-17  
Shipment Date

Transporter Name Swan Trucking  
Address 1823 Lakewood Rd  
City/State/Zip Aurora ny 14414  
Phone No. 585 226 2240

Truck No. 23  
Driver Name Robert Strassner  
Vehicle License No./State 58057 NY

Transporter's  
US EPA No. Permit # 8A-1614

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

[Signature]  
Driver Signature

12/6/17  
Shipment Date

[Signature]  
Driver Signature

12/6/17  
Delivery Date

Facility Name High Acres Landfill  
Address 1000 Princeton Hwy  
City/State/Zip Fairport ny 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

11921120

SCALE TICKET NUMBER

[Signature]  
Signature

12/14/17  
Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1193474

|                  |                                                                         |            |                |        |
|------------------|-------------------------------------------------------------------------|------------|----------------|--------|
| Customer Name    | LGEVANSINC-118245NY LG EVANS                                            | Carrier    | SWAN EQUIPMENT | Volume |
| Ticket Date      | 12/20/2017                                                              | Vehicle#   | 23             |        |
| Payment Type     | Credit Account                                                          | Container  |                |        |
| Manual Ticket#   |                                                                         | Driver     |                |        |
| Hauling Ticket#  |                                                                         | Check#     |                |        |
| Route            |                                                                         | Billing #  | 0007263        |        |
| State Waste Code |                                                                         | Gen EPA ID | NOT REQUIRED   |        |
| Manifest         | NA                                                                      | Grid       | CELL 11        |        |
| Destination      |                                                                         |            |                |        |
| PO               | 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007 |            |                |        |
| Profile          | 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)                             |            |                |        |
| Generator        | 190-COOPERVISION COOPERVISION                                           |            |                |        |

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 12/20/2017 08:19 | A_Scale_1 | JF #600676 |         | Tare  | 66680 lb |
| Out | 12/20/2017 08:19 |           | JF #600676 |         | Net   | 26780 lb |
|     |                  |           |            |         | Tons  | 39900 lb |
|     |                  |           |            |         |       | 19.95    |

Comments

|   | Product            | LD% | Qty   | UDM  | Rate | Fee | Amount | Origin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 19.95 | Tons |      |     |        | MON    |
| 2 | RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 | EVF-P14-Environmen | 100 |       | %    |      |     |        | MON    |
| 4 | LFS4-LANDFILL FIXE | 100 |       | %    |      |     |        | MON    |

Total Fees  
Total Ticket

Driver's Signature \_\_\_\_\_



23

## NON-HAZARDOUS WASTE MANIFEST

## SITE INFORMATION

Generator Name Cooper Vision  
Site Address 711 North Rd  
City/State/Zip Scottsville ny 14546  
Phone No. \_\_\_\_\_

## MAILING INFORMATION

Company Name LC Evans Constr  
Mailing Address 1823 Lakewille Rd  
City/State/Zip Aum ny 14414  
Phone No. 585 226 2240

Landfill Profile No. 118245 ny

Description of Waste:

Construction Demolition Debris

Additional Handling Instructions for Material Listed Above:

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Hogan

Generator Authorized Agent Name (Print)

Signature [Signature]Shipment Date 12-20-17

UNITS TRUCK # TYPE

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

Transporter Name Swan Trucking  
Address 1823 Lakewille Rd  
City/State/Zip Aum ny 14414  
Phone No. 585 226 2240

Truck No. 83  
Driver Name Robert Stassner  
Vehicle License No./State 38087 MJ - NY

Transporter's  
US EPA No. Permit # 8A-1014

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Driver Signature [Signature]

Shipment Date

Driver Signature [Signature]

Delivery Date

Facility Name Hgh Acres Landfill

Address 425 Perinton Pkwy City/State/Zip Fairport ny 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

11024174 J. F. Smith 12/20/17

SCALE TICKET NUMBER

Signature

Receipt Date



3

High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189261

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/27/2017 Vehicle# 17 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/27/2017 12:17 | A_Scale_1 | MM #260133 |         | Tare  | 68180 lb |
| Out | 11/27/2017 12:38 | B_Scale_2 | MM #260133 |         | Net   | 26160 lb |
|     |                  |           |            |         | Tons  | 42020 lb |
|     |                  |           |            |         |       | 21.01    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 21.01 | 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 \_\_\_\_\_







17 3

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Cooper Vision  
Site Address 711 North Rd.  
City/State/Zip Scottsville, NY 14541  
Phone No. 585-756-9100

### MAILING INFORMATION

Company Name L.G. Evans Construction  
Mailing Address 1822 Lakewood Rd  
City/State/Zip Aven, NY 14414  
Phone No. 585-226-2506

Landfill Profile No. 118245NY

#### Description of Waste:

Construction and Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK # | TYPE |
|-------|---------|------|
|       | 17      |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James F. Mazzavetich

Generator Authorized Agent Name (Print)

[Signature]

Signature

11/27/2017

Shipment Date

Transporter Name SWAN Equipment & Trucking  
Address 1822 Lakewood Rd  
City/State/Zip Aven, NY 14414  
Phone No. 585-226-2506

Truck No. SW17

Driver Name Ricky Torres

Vehicle License No./State 41067MG NY

Transporter's  
US EPA No. 8A-1014

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

[Signature]

Driver Signature

Shipment Date

[Signature]

Driver Signature

Delivery Date

Facility Name High Acres Landfill

Address 475 Percinton PKWY

City/State/Zip Fairport NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

[Signature]

SCALE TICKET NUMBER

[Signature]

Signature

11-27-17

Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189238

Customer Name LGEVANSINC-118245NY LG EVANS Carrier KIMBALL KIMBALL TRUCKING  
Ticket Date 11/27/2017 Vehicle# EK4 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest na Grid CELL 11  
Destination  
PD 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/27/2017 12:03 | A_Scale_1 | MM #260133 |         | 72320 | 1b       |
| Out | 11/27/2017 12:31 | B_Scale_2 | MM #260133 |         | 29140 | 1b       |
|     |                  |           |            |         | Net   | 43180 1b |
|     |                  |           |            |         | Tons  | 21.59    |

Comments Kimball/Swan

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 21.59 | Tons |      |     |        | MON    |
| 2 EVF-P-Standard Env | 100 |       | %    |      |     |        |        |
| 3 RCR-P-Regulatory C | 100 |       | %    |      |     |        |        |
| 4 LFS4-LANDFILL FIXE | 100 |       | %    |      |     |        |        |

Total Fees  
Total Ticket

Driver's Signature \_\_\_\_\_





EK4

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

### MAILING INFORMATION

Generator Name Cooper Vision  
Site Address 711 North Rd  
City/State/Zip Scottsville NY 14546  
Phone No. 505 756 9100

Company Name L G Evans  
Mailing Address 1823 Lehighville Rd  
City/State/Zip Alton NY 14414  
Phone No. 505 226 2506

Landfill Profile No. 118245 NY

### Description of Waste:

Construction & Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK #     | TYPE |
|-------|-------------|------|
|       | <u>EA-4</u> |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Mazzurro  
Generator Authorized Agent Name (Print)

James P. Mazzurro  
Signature

11/27/2017  
Shipment Date

Transporter Name Kimball Trucking  
Address 1807 Tebor Rd  
City/State/Zip Watertown NY 14500  
Phone No. 505 265 2539

Truck No. EA-4  
Driver Name David D.  
Vehicle License No./State 93290 NY

Transporter's  
US EPA No. 8A 552

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 11-27-17  
Driver Signature Shipment Date

[Signature] 11-27-17  
Driver Signature Delivery Date

Facility Name High River Landfill  
Address 425 Princeton Pkwy City/State/Zip Fairport NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

[Signature]  
SCALE TICKET NUMBER

[Signature]  
Signature

11-27-17  
Receipt Date





High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189269

|                  |                                                                         |            |                |        |
|------------------|-------------------------------------------------------------------------|------------|----------------|--------|
| Customer Name    | LGEVANSINC-118245NY LG EVANS                                            | Carrier    | SWAN EQUIPMENT |        |
| Ticket Date      | 11/27/2017                                                              | Vehicle#   | 15             | Volume |
| Payment Type     | Credit Account                                                          | Container  |                |        |
| Manual Ticket#   |                                                                         | Driver     |                |        |
| Hauling Ticket#  |                                                                         | Check#     |                |        |
| Route            |                                                                         | Billing #  | 0007263        |        |
| State Waste Code |                                                                         | Gen EPA ID | NOT REQUIRED   |        |
| Manifest         | NA                                                                      | Grid       | CELL 11        |        |
| Destination      |                                                                         |            |                |        |
| PO               | 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007 |            |                |        |
| Profile          | 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)                             |            |                |        |
| Generator        | 190-COOPERVISION COOPERVISION                                           |            |                |        |

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/27/2017 12:20 | A_Scale_1 | MM #260133 |         | Tare  | 71480 1b |
| Out | 11/27/2017 12:40 | B_Scale_2 | MM #260133 |         | Net   | 27440 1b |
|     |                  |           |            |         | Tons  | 44040 1b |
|     |                  |           |            |         |       | 22.02    |

Comments

| Product                  | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|--------------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons 100 |     | 22.02 | 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\_\_\_\_\_





15

2

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Cooperstown  
Site Address 711 North Rd  
City/State/Zip Lakeville NY 11916  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name LG Evans Construction  
Mailing Address 1823 Lakeville Rd  
City/State/Zip Axon NY 11111  
Phone No. (516) 226-2210

Landfill Profile No. 11/27/17 NY

Description of Waste:

Construction and Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK #      | TYPE |
|-------|--------------|------|
|       | <u>Fw 15</u> |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Mazzurco  
Generator Authorized Agent Name (Print)

James P. Mazzurco  
Signature

11/27/2017  
Shipment Date

Transporter Name Swan  
Address 1823 Lakeville Rd  
City/State/Zip Axon NY 11111  
Phone No. (516) 226-2210

Truck No. \_\_\_\_\_

Driver Name \_\_\_\_\_

Vehicle License No./State \_\_\_\_\_

Transporter's  
US EPA No. Form 4-A-1014

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

[Signature]  
Driver Signature

Shipment Date

Driver Signature

Delivery Date

Facility Name High Acres Landfill

Address 125 Innovation Pkwy

City/State/Zip Fairport NY 11750

I hereby certify that the above named material has been received at this facility and properly disposed of.

M. Maloney

SCALE TICKET NUMBER

[Signature]  
Signature

11-27-17  
Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189597

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/28/2017 Vehicle# 17 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 12:23 | A_Scale_1 | JB #603958 |         | Tare  | 68740 lb |
| Out | 11/28/2017 12:23 |           | JB #603958 |         | Net   | 26160 lb |
|     |                  |           |            |         | Tons  | 42580 lb |
|     |                  |           |            |         |       | 21.29    |

Comments

|   | Product            | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 21.29 | 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\_\_\_\_\_





## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Cooper Vision  
Site Address 711 North Rd.  
City/State/Zip Scarsdale, NY 10584  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name L. G. Evans  
Mailing Address 1823 Lakeville Rd.  
City/State/Zip Amherst, NY 14414  
Phone No. 585 226-2240

Landfill Profile No. 118245 NY

#### Description of Waste:

Construction & Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK #      | TYPE |
|-------|--------------|------|
|       | <u>SW 17</u> |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James T. Wozniak

Generator Authorized Agent Name (Print)

David F. Magenta

Signature

11/28/17

Shipment Date

Transporter Name SWAN E+T

Address 1823 Lakeville Rd.

City/State/Zip Amherst, NY 14414

Phone No. \_\_\_\_\_

Truck No. SW 17

Driver Name Rick Torres

Vehicle License No./State 41067 NY

Transporter's

US EPA No. 8A-1014

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

[Signature]

Driver Signature

11-28-17

Shipment Date

[Signature]

Driver Signature

11-28-17

Delivery Date

Facility Name Highway Landfill

Address 425 Penlon PKWY

City/State/Zip Fredonia, NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

1189541

SCALE TICKET NUMBER

[Signature]

Signature

11/28/17

Receipt Date





High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189595

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/28/2017 Vehicle# 23 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 12:15 | A_Scale_1 | JB #603958 |         | Tare  | 75820 lb |
| Out | 11/28/2017 12:15 |           | JB #603958 |         | Net   | 26780 lb |
|     |                  |           |            |         | Tons  | 49040 lb |
|     |                  |           |            |         |       | 24.52    |

Comments

|   | Product            | LDX | Qty   | UOM  | Rate | Fee | Amount | Origin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 24.52 | 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 \_\_\_\_\_





## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Cooper Vision  
Site Address 711 North Rd  
City/State/Zip Scottdale Ny 14546  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name LLC Evans Construction  
Mailing Address 1823 Lakeville Rd  
City/State/Zip Avon Ny 14414  
Phone No. 585 226 2240

Landfill Profile No. 118245 NY

Description of Waste:

Construction & Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK # | TYPE |
|-------|---------|------|
|       |         |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Wenzel

Generator Authorized Agent Name (Print)

James P. Wenzel

Signature

11/25/2017

Shipment Date

Transporter Name SWAN Trucking  
Address 1823 Lakeville Rd  
City/State/Zip Avon Ny 14414  
Phone No. 585 226 2240

Truck No. 23

Driver Name Robert Strasser

Vehicle License No./State 58057 NY - 118

Transporter's  
US EPA No. Permit # SA-1017

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Robert H. H.

Driver Signature

Shipment Date

Robert H. H.

Driver Signature

Delivery Date

Facility Name High Acres Land Fill

Address 4135 Arcadia Hwy

City/State/Zip Fairport Ny 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

1189595

SCALE TICKET NUMBER

[Signature]

Signature

Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189609

|                  |                                                                         |            |                |        |
|------------------|-------------------------------------------------------------------------|------------|----------------|--------|
| Customer Name    | LGEVANSINC-118245NY LG EVANS                                            | Carrier    | SWAN EQUIPMENT | Volume |
| Ticket Date      | 11/28/2017                                                              | Vehicle#   | 15             |        |
| Payment Type     | Credit Account                                                          | Container  |                |        |
| Manual Ticket#   |                                                                         | Driver     |                |        |
| Hauling Ticket#  |                                                                         | Check#     |                |        |
| Route            |                                                                         | Billing #  | 0007263        |        |
| State Waste Code |                                                                         | Gen EPA ID | NOT REQUIRED   |        |
| Manifest         | NA                                                                      | Grid       | CELL 11        |        |
| Destination      |                                                                         |            |                |        |
| PO               | 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007 |            |                |        |
| Profile          | 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)                             |            |                |        |
| Generator        | 190-COOPERVISION COOPERVISION                                           |            |                |        |

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 12:39 | A_Scale_1 | JB #603958 |         | Tare  | 74020 lb |
| Out | 11/28/2017 12:39 |           | JB #603958 |         | Net   | 27060 lb |
|     |                  |           |            |         | Tons  | 46960 lb |
|     |                  |           |            |         |       | 23.48    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 23.48 | 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 \_\_\_\_\_







## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name COMPASSION  
Site Address 711 North St  
City/State/Zip Albany NY 12208  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name LU Egan, Construction  
Mailing Address 123 Lakeville Rd  
City/State/Zip Albany NY 12211  
Phone No. (518) 226-2210

Landfill Profile No. 1142105 NY

Description of Waste:

Construction Debris

Additional Handling Instructions for Material Listed Above:

UNITS TRUCK # TYPE

|  |             |  |
|--|-------------|--|
|  | <u>5015</u> |  |
|--|-------------|--|

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Mazurkiewicz  
Generator Authorized Agent Name (Print)

James P. Mazurkiewicz  
Signature

11/25/2017  
Shipment Date

Transporter Name SWAN  
Address 1823 Lakeville Rd  
City/State/Zip Albany NY 12211  
Phone No. (518) 226-2210

Truck No. 15  
Driver Name Harold DeLass  
Vehicle License No./State 96915 ME NY

Transporter's  
US EPA No. Permit # 8A-1011

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

[Signature]  
Driver Signature

11/26/17  
Shipment Date

[Signature]  
Driver Signature

11/26/17  
Delivery Date

Facility Name High Acres Landfill  
Address 1125 Hamilton Rd  
City/State/Zip Port Jervis NY 14850

I hereby certify that the above named material has been received at this facility and properly disposed of.

1189609

SCALE TICKET NUMBER

Signature

Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189621

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/28/2017 Vehicle# EK4 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PD 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 12:49 | A_Scale_1 | JB #603958 |         | Tare  | 78160 lb |
| Out | 11/28/2017 12:49 |           | JB #603958 |         | Net   | 29160 lb |
|     |                  |           |            |         | Tons  | 49000 lb |
|     |                  |           |            |         |       | 24.50    |

Comments

|   | Product            | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 24.50 | 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 \_\_\_\_\_





## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Carvision  
Site Address 711 North Rd  
City/State/Zip Scottsville NY 14546  
Phone No. 585 756 9100

### MAILING INFORMATION

Company Name LG Evans  
Mailing Address 1823 Lehighville Rd  
City/State/Zip Avon NY 14414  
Phone No. \_\_\_\_\_

Landfill Profile No. 118245 NY

Description of Waste:

Construction + Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK #     | TYPE |
|-------|-------------|------|
|       | <u>EH-4</u> |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Mazzurco  
Generator Authorized Agent Name (Print)

James P. Mazzurco  
Signature

11/25/2017  
Shipment Date

Transporter Name Kimbell Trucking  
Address 1807 Tabor Rd  
City/State/Zip Webster NY 14580  
Phone No. 585 265 2539

Truck No. PK-4  
Driver Name De J. Ornel  
Vehicle License No./State 93290 MH

Transporter's  
US EPA No. 8A 552

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

[Signature] 11-28-17  
Driver Signature Shipment Date

[Signature] 11-28-17  
Driver Signature Delivery Date

Facility Name High Acres Landfill  
Address 425 Princeton Pkwy City/State/Zip Fairport NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

11/28/2017

[Signature]

SCALE TICKET NUMBER

Signature

Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189722

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/28/2017 Vehicle# 15 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest na Grid CELL 11  
Destination  
PD 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 15:05 | A_Scale_1 | JF #600676 |         | Tare  | 77420 lb |
| Out | 11/28/2017 15:15 | B_Scale_2 | JB #603958 |         | Net   | 26840 lb |
|     |                  |           |            |         | Tons  | 50580 lb |
|     |                  |           |            |         |       | 25.29    |

Comments

| Product              | LD% | Qty   | UDM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 25.29 | 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 \_\_\_\_\_







15

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Corporation  
Site Address 211 1st Street  
City/State/Zip Atlanta GA 30303  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name Lee P. Construction  
Mailing Address 1823 Lakeview Rd  
City/State/Zip Atlanta GA 30317  
Phone No. (515) 226-2210

Landfill Profile No. 11-215 N1

Description of Waste:

Construction and Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK #     | TYPE |
|-------|-------------|------|
|       | <u>SW15</u> |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Hazzard  
Generator Authorized Agent Name (Print)

James P. Hazzard  
Signature

11/28/17  
Shipment Date

Transporter Name Swan  
Address 1823 Lakeview Rd  
City/State/Zip Atlanta GA 30317  
Phone No. (515) 226-2210

Truck No. 15  
Driver Name David H. Lewis  
Vehicle License No./State 96915 MC N

Transporter's  
US EPA No. Permit GA-1011

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

[Signature]  
Driver Signature

11/28/17  
Shipment Date

[Signature]  
Driver Signature

11/28/17  
Delivery Date

Facility Name Highway 280 Landfill II

Address 125, Harrison Pl

City/State/Zip Farmington CT 06030

I hereby certify that the above named material has been received at this facility and properly disposed of

118972  
SCALE TICKET NUMBER

[Signature]  
Signature

11/28/17  
Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189721

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/28/2017 Vehicle# 17 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 15:04 | A_Scale_1 | JF #600676 |         | Tare  | 67200 lb |
| Out | 11/28/2017 15:20 | B_Scale_2 | JB #603958 |         | Net   | 26480 lb |
|     |                  |           |            |         | Tons  | 40720 lb |
|     |                  |           |            |         |       | 20.36    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 20.36 | 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 \_\_\_\_\_





17

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Cooper Vision  
Site Address 711 Wall St  
City/State/Zip Scottdale NY 14541  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name L.G. Evans  
Mailing Address 1822 Lakewood Rd  
City/State/Zip Avon NY 14414  
Phone No. 585-226-2240

Landfill Profile No. 118245 NY

### Description of Waste:

Construction + Demolition debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK #     | TYPE |
|-------|-------------|------|
|       | <u>SW17</u> |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Mitrushki  
Generator Authorized Agent Name (Print)

James P. Mitrushki  
Signature

11/28/2017  
Shipment Date

Transporter Name SWAN E+T  
Address 1822 Lakewood Rd  
City/State/Zip Avon NY 14414  
Phone No. \_\_\_\_\_

Truck No. SW17

Driver Name Ricky Tamm

Vehicle License No./State 40617-M16

Transporter's

US EPA No. 8A-1014

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

[Signature] 11-28-17  
Driver Signature Shipment Date

[Signature] 11-28-17  
Driver Signature Delivery Date

Facility Name High River Landfill

Address 421 Pioneer PKWY City/State/Zip Scottdale NY 14541

I hereby certify that the above named material has been received at this facility and properly disposed of.

1189721

[Signature]

11/28/17

SCALE TICKET NUMBER

Signature

Receipt Date





High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189723

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/28/2017 Vehicle# 23 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest na Grid CELL 11  
Destination  
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 15:06 | A_Scale_1 | JF #600676 |         | Tare  | 75540 lb |
| Out | 11/28/2017 15:26 | B_Scale_2 | JB #603958 |         | Net   | 25820 lb |
|     |                  |           |            |         | Tons  | 49720 lb |
|     |                  |           |            |         |       | 24.86    |

Comments

| Product                  | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|--------------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons 100 |     | 24.86 | 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 \_\_\_\_\_



## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Cooper Vision  
Site Address 711 North Rd  
City/State/Zip Scottsville NY 14154  
Phone No. 0

### MAILING INFORMATION

Company Name LG Environmental Construction  
Mailing Address 1823 Lakewood Rd  
City/State/Zip Aurora NY 14414  
Phone No. 585 226 0224

Landfill Profile No. 118245 NY

Description of Waste:

Construction & Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK # | TYPE |
|-------|---------|------|
|       |         |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Mazzocchi

Generator Authorized Agent Name (Print)

James P. Mazzocchi

Signature

11/15/17

Shipment Date

Transporter Name Swan Trucking  
Address 1823 Lakewood Rd  
City/State/Zip Aurora NY 14414  
Phone No. 585 226 0224

Truck No. 28  
Driver Name Robert S. Swanson  
Vehicle License No./State 58087 NJ-NJ

Transporter's  
US EPA No. Permit # 8A-1014

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Robert S. Swanson

Driver Signature

Shipment Date

Robert S. Swanson

Driver Signature

Delivery Date

Facility Name High Acres Landfill

Address 425 Rindon Hwy City/State/Zip Fairport NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

1189723

SCALE TICKET NUMBER

James P. Mazzocchi

Signature

11/28/17

Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189509

|                  |                                                                         |            |                |        |
|------------------|-------------------------------------------------------------------------|------------|----------------|--------|
| Customer Name    | LGEVANSINC-118245NY LG EVANS                                            | Carrier    | SWAN EQUIPMENT |        |
| Ticket Date      | 11/28/2017                                                              | Vehicle#   | 17             | Volume |
| Payment Type     | Credit Account                                                          | Container  |                |        |
| Manual Ticket#   |                                                                         | Driver     |                |        |
| Hauling Ticket#  |                                                                         | Check#     |                |        |
| Route            |                                                                         | Billing #  | 0007263        |        |
| State Waste Code |                                                                         | Gen EPA ID | NOT REQUIRED   |        |
| Manifest         | NA                                                                      | Grid       | CELL 11        |        |
| Destination      |                                                                         |            |                |        |
| PO               | 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007 |            |                |        |
| Profile          | 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)                             |            |                |        |
| Generator        | 190-COOPERVISION COOPERVISION                                           |            |                |        |

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 10:26 | A_Scale_1 | JB #603958 |         | Tare  | 70840 lb |
| Out | 11/28/2017 10:26 |           | JB #603958 |         | Net   | 26160 lb |
|     |                  |           |            |         | Tons  | 44680 lb |
|     |                  |           |            |         |       | 22.34    |

Comments

|   | Product            | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 22.34 | 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\_\_\_\_\_





17

## NON-HAZARDOUS WASTE MANIFEST

## SITE INFORMATION

Generator Name Cooper Vision  
Site Address 711 North Rd  
City/State/Zip Scottsville, NY 14546  
Phone No. \_\_\_\_\_

## MAILING INFORMATION

Company Name L G Evans Construction  
Mailing Address 1823 Lakeville Rd  
City/State/Zip Arton NY 14414  
Phone No. 585-226-2240

Landfill Profile No. 118245 NY

## Description of Waste:

Construction & Demolition Debris

Additional Handling Instructions for Material Listed Above:

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name (Print)

Signature

Shipment Date

UNITS

TRUCK #

TYPE

|  |      |  |
|--|------|--|
|  | SW17 |  |
|--|------|--|

Transporter Name Swan E+T  
Address 1823 Lakeville Rd  
City/State/Zip Arton NY 14414  
Phone No. 585-226-2240

Truck No. SW17Driver Name Ricky TorresVehicle License No./State 41067-ME NY

Transporter's

US EPA No. 8A-1014

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

Facility Name High Acres LandfillAddress 425 Princeton PkwyCity/State/Zip Cooper, NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

SCALE TICKET NUMBER

Signature

Receipt Date





High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189536

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/28/2017 Vehicle# EK4 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 10:44 | A_Scale_1 | JB #603958 |         | Tare  | 73160 lb |
| Out | 11/28/2017 10:44 |           | JB #603958 |         | Net   | 29160 lb |
|     |                  |           |            |         | Tons  | 44000 lb |
|     |                  |           |            |         |       | 22.00    |

Comments

|   | Product            | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 22.00 | 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\_\_\_\_\_





EK4

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Superior  
Site Address 711 North Rd  
City/State/Zip Scottsville NY 14546  
Phone No. 585 756 9100

### MAILING INFORMATION

Company Name LG Euns  
Mailing Address 1823 Lcheville Rd  
City/State/Zip Avon NY 14414  
Phone No. 585 226 2506

Landfill Profile No. 118245 NY

### Description of Waste:

Construction & Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK #     | TYPE |
|-------|-------------|------|
|       | <u>EK-4</u> |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Mazzocchi  
Generator Authorized Agent Name (Print)

[Signature]  
Signature

11/20/2017  
Shipment Date

Transporter Name Kimball Trucking  
Address 1807 Tebur Rd  
City/State/Zip Webster NY 14580  
Phone No. 585 265 2539

Truck No. Flr 4  
Driver Name David Ornel  
Vehicle License No./State 93290 MH

Transporter's  
US EPA No. 8A552

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

[Signature]  
Driver Signature

11-20-17  
Shipment Date

[Signature]  
Driver Signature

11-20-17  
Delivery Date

Facility Name High Acres Landfill  
Address 425 Perington Pkwy City/State/Zip Fairport NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

1189536  
SCALE TICKET NUMBER

[Signature]  
Signature

11/20/2017  
Receipt Date



High Acres: LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189522

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/28/2017 Vehicle# 15 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PD 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 10:39 | A_Scale_1 | JB #603958 |         | Tare  | 76260 lb |
| Out | 11/28/2017 10:39 |           | JB #603958 |         | Net   | 27060 lb |
|     |                  |           |            |         | Tons  | 49200 lb |
|     |                  |           |            |         |       | 24.60    |

Comments

|   | Product            | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 24.60 | 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 \_\_\_\_\_







## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Construction  
Site Address 711 North rd  
City/State/Zip Scottsville NY 11546  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name LG Evans Construction  
Mailing Address 1823 Luskville rd  
City/State/Zip Avon NY 11711  
Phone No. (255) 226-2210

Landfill Profile No. 118215 NY

Description of Waste:

Construction and Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK #      | TYPE |
|-------|--------------|------|
|       | <u>SW 15</u> |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Janis P. Mazzurini  
Generator Authorized Agent Name (Print)

John P. Mazzurini  
Signature

11/23/2012  
Shipment Date

Transporter Name SWAN  
Address 1823 Luskville rd  
City/State/Zip Avon NY 11711  
Phone No. (255) 226-2210

Truck No. 15  
Driver Name Harold Kloss  
Vehicle License No./State 16-15 ME NY

Transporter's  
US EPA No. Permit # 8A-1011

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Harold Kloss  
Driver Signature

11/29/12  
Shipment Date

Harold Kloss  
Driver Signature

11/29/12  
Delivery Date

Facility Name Harold Kloss

Address 1823 Luskville rd

City/State/Zip Avon NY 11711

I hereby certify that the above named material has been received at this facility and properly disposed of.

118,215 NY  
9522  
SCALE TICKET NUMBER

John P. Mazzurini  
Signature

Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189508

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/28/2017 Vehicle# 23 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 10:21 | A_Scale_1 | JB #603958 |         | Tare  | 75160 lb |
| Out | 11/28/2017 10:21 |           | JB #603958 |         | Net   | 26780 lb |
|     |                  |           |            |         | Tons  | 48380 lb |
|     |                  |           |            |         |       | 24.19    |

Comments

|   | Product            | LD% | Qty   | UOM  | Rate | Fee | Amount | Drigin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 24.19 | 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 \_\_\_\_\_





23

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Conder Vision  
Site Address 711 North Rd  
City/State/Zip Scottdale NY 14546  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name LCD Evans  
Mailing Address 1523 Lakeville Rd  
City/State/Zip Avon NY 14414  
Phone No. 585 226 2241

Landfill Profile No. 118345 NY

### Description of Waste:

Construction and Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK # | TYPE |
|-------|---------|------|
|       |         |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John P. Mizurachi  
Generator Authorized Agent Name (Print)

John P. Mizurachi  
Signature

11/25/17  
Shipment Date

Transporter Name Swan Trucking  
Address 1523 Lakeville Rd  
City/State/Zip Avon NY 14414  
Phone No. 585 226 2241

Truck No. 23  
Driver Name Robert Strassner  
Vehicle License No./State 58087 NJ

Transporter's  
US EPA No. RCMT # 8A-1014

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Carol H. H. A.  
Driver Signature

Shipment Date

Carol H. H. A.  
Driver Signature

Delivery Date

Facility Name Hol Acres Landfill  
Address 4125 Rainton Pkwy City/State/Zip Fairport NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

SCALE TICKET NUMBER

Signature

Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189469

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/28/2017 Vehicle# 23 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 08:25 | A_Scale_1 | JB #603958 |         | Tare  | 71100 lb |
| Out | 11/28/2017 08:48 | B_Scale_2 | JB #603958 |         | Net   | 26780 lb |
|     |                  |           |            |         | Tons  | 44320 lb |
|     |                  |           |            |         |       | 22.16    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 22.16 | 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\_\_\_\_\_







23

## NON-HAZARDOUS WASTE MANIFEST

## SITE INFORMATION

Generator Name Cooper Vision  
Site Address 711 North Rd  
City/State/Zip Scottdale NY 14526  
Phone No. \_\_\_\_\_

## MAILING INFORMATION

Company Name LG Evans Construction  
Mailing Address 1823 Lakeville Rd  
City/State/Zip Aurora NY 14011  
Phone No. 585 226 2240

Landfill Profile No. 118245 NY

Description of Waste:

Construction and Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK # | TYPE |
|-------|---------|------|
|       |         |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Hanzowski

Generator Authorized Agent Name (Print)

Signature

James P. Hanzowski

Shipment Date

11/28/17

Transporter Name Swan Trucking  
Address 1823 Lakeville Rd  
City/State/Zip Aurora NY  
Phone No. 585 226 2240

Truck No. 23

Driver Name Robert Stassen

Vehicle License No./State 58087-NY

Transporter's US EPA No. Permit # SA-1014

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Robert Stassen

Driver Signature

Shipment Date

11/28/17

Robert Stassen

Driver Signature

Delivery Date

11/28/17

Facility Name High Acres Land Fill

Address 435 Scrimshaw Hwy

City/State/Zip Fairport NY 14622

I hereby certify that the above named material has been received at this facility and properly disposed of.

11894107

SCALE TICKET NUMBER

Signature

Receipt Date

James P. Hanzowski

11/28/17



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189473

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/28/2017 Vehicle# EK4 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 08:31 | A_Scale_1 | JB #603958 |         | Tare  | 71580 lb |
| Out | 11/28/2017 08:52 | B_Scale_2 | JB #603958 |         | Net   | 29160 lb |
|     |                  |           |            |         | Tons  | 42420 lb |
|     |                  |           |            |         |       | 21.21    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 21.21 | 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 \_\_\_\_\_







EK4

## NON-HAZARDOUS WASTE MANIFEST

## SITE INFORMATION

Generator Name Cooper Vision  
Site Address 711 North Rd  
City/State/Zip Scottsville NY 14546  
Phone No. 585 756 9100

## MAILING INFORMATION

Company Name LG Evans  
Mailing Address 1823 Lecheville Rd  
City/State/Zip Avon NY 14414  
Phone No. 585 226 2506

Landfill Profile No. 118245 NY

Description of Waste:

Construction + Demolition Debris

Additional Handling Instructions for Material Listed Above:

UNITS TRUCK # TYPE

|  |             |  |
|--|-------------|--|
|  | <u>EK-4</u> |  |
|--|-------------|--|

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Mazzurco  
Generator Authorized Agent Name (Print)

James P. Mazzurco  
Signature

11/25/2017  
Shipment Date

Transporter Name Kimball Trucking  
Address 1807 Tebor Rd  
City/State/Zip Webster NY 14580  
Phone No. 585 265 2539

Truck No. EK-4  
Driver Name David Dondi  
Vehicle License No./State 93290 MH

Transporter's  
US EPA No. 8A 552

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

[Signature] 11-28-17  
Driver Signature Shipment Date

[Signature] 11-23-17  
Driver Signature Delivery Date

Facility Name High Acres Landfill  
Address 425 Perington Pkwy City/State/Zip Fairport NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

1189473  
SCALE TICKET NUMBER

[Signature]  
Signature

11/28/17  
Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189471

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/28/2017 Vehicle# 15 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 08:27 | A_Scale_1 | JB #603958 |         | Tare  | 73120 lb |
| Out | 11/28/2017 08:49 | B_Scale_2 | JB #603958 |         | Net   | 27060 lb |
|     |                  |           |            |         | Tons  | 46060 lb |
|     |                  |           |            |         |       | 23.03    |

Comments

| Product              | LDX | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 23.03 | 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 \_\_\_\_\_





15

## NON-HAZARDOUS WASTE MANIFEST

## SITE INFORMATION

Generator Name Construction  
Site Address 711 North 2nd  
City/State/Zip Aspen NY 11516  
Phone No. \_\_\_\_\_

## MAILING INFORMATION

Company Name LG Evans Construction  
Mailing Address 23 Lakeville Rd  
City/State/Zip Aspen NY 11511  
Phone No. (545) 226-2210

Landfill Profile No. 118215 NY

Description of Waste:

Construction and Demolition Debris

Additional Handling Instructions for Material Listed Above:

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Matzurauskis

Generator Authorized Agent Name (Print)

James P. Matzurauskis

Signature

11/2/2017

Shipment Date

Transporter Name SWAN  
Address 123 Lakeville Rd  
City/State/Zip Aspen NY 11511  
Phone No. (545) 226-2210

Truck No. 15Driver Name Harold AdamsVehicle License No./State 96915ME NY

Transporter's

US EPA No. Permit # SA-1011

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

Facility Name High Acres LandfillAddress 425 Lexington PkwyCity/State/Zip Fairport NY 11502

I hereby certify that the above named material has been received at this facility and properly disposed of.

1180471James P. Matzurauskis11/28/17

SCALE TICKET NUMBER

Signature

Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189468

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/28/2017 Vehicle# SW17 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/28/2017 08:23 | A_Scale_1 | JB #603958 |         | Tare  | 66540 lb |
| Out | 11/28/2017 08:46 | B_Scale_2 | JB #603958 |         | Net   | 26240 lb |
|     |                  |           |            |         | Tons  | 40300 lb |
|     |                  |           |            |         |       | 20.15    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 20.15 | 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 \_\_\_\_\_







SW17

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Craper Vision  
Site Address 711 North Rd.  
City/State/Zip Scottsville NY 14541  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name L. G. Evans Const.  
Mailing Address 1223 Lakeville Rd.  
City/State/Zip Alton NY 14414  
Phone No. 585-226-2240

Landfill Profile No. 118245 NY

#### Description of Waste:

Construction + Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK # | TYPE |
|-------|---------|------|
|       | SW17    |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James R. Mazzurco  
Generator Authorized Agent Name (Print)

James R. Mazzurco  
Signature

11/28/2017  
Shipment Date

Transporter Name Swan Equipment + Trucking  
Address 1223 Lakeville Rd.  
City/State/Zip Alton NY 14414  
Phone No. 585-226-2240

Truck No. SW17

Driver Name Ricky Teller

Vehicle License No./State 41067MG NY

Transporter's  
US EPA No. 8A-1014

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

Facility Name High Acres Landfill

Address 425 Perinton PKWY City/State/Zip Fairport NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

1181418

James R. Mazzurco

11/28/17

SCALE TICKET NUMBER

Signature

Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189386

Customer Name LGEVANSINC-118245NY LG EVANS Carrier KIMBALL KIMBALL TRUCKING  
Ticket Date 11/27/2017 Vehicle# EK4 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest na Grid CELL 11  
Destination  
PD 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/27/2017 14:26 | A_Scale_1 | MM #260133 |         | Tare  | 77220 lb |
| Out | 11/27/2017 14:26 |           | MM #260133 |         | Net   | 29140 lb |
|     |                  |           |            |         | Tons  | 48080 lb |
|     |                  |           |            |         |       | 24.04    |

Comments Kimball/Swan

|   | Product            | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 24.04 | 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 \_\_\_\_\_







EK 4

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Cooper Vision  
Site Address 711 North Rd  
City/State/Zip Scottsville NY 14546  
Phone No. 585 756 9100

### MAILING INFORMATION

Company Name L G Evans  
Mailing Address 1823 Lehigh Rd  
City/State/Zip Avon NY 14414  
Phone No. 585 226 2506

Landfill Profile No. 118245 NY

Description of Waste:

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK # | TYPE |
|-------|---------|------|
|       | EK-4    |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Morawski  
Generator Authorized Agent Name (Print)

[Signature]  
Signature

11/27/2017  
Shipment Date

Transporter Name Kimball Trucking  
Address 1707 Tabor Rd  
City/State/Zip Watertown NY 14580  
Phone No. 585 265 2539

Truck No. EK-4  
Driver Name David Pruch  
Vehicle License No./State 93290 MH

Transporter's  
US EPA No. 8A552

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

[Signature]  
Driver Signature

Shipment Date

[Signature]  
Driver Signature

Delivery Date

Facility Name High Acres Landfill  
Address 425 Perinton Pkwy City/State/Zip Farmers NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

[Signature]  
SCALE TICKET NUMBER

[Signature]  
Signature

11-27-17  
Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189957

|                  |                                                                         |            |                |        |
|------------------|-------------------------------------------------------------------------|------------|----------------|--------|
| Customer Name    | LGEVANSINC-118245NY LG EVANS                                            | Carrier    | SWAN EQUIPMENT |        |
| Ticket Date      | 11/29/2017                                                              | Vehicle#   | CC30           | Volume |
| Payment Type     | Credit Account                                                          | Container  |                |        |
| Manual Ticket#   |                                                                         | Driver     |                |        |
| Hauling Ticket#  |                                                                         | Check#     |                |        |
| Route            |                                                                         | Billing #  | 0007263        |        |
| State Waste Code |                                                                         | Gen EPA ID | NOT REQUIRED   |        |
| Manifest         | NA                                                                      | Grid       | CELL 11        |        |
| Destination      |                                                                         |            |                |        |
| PO               | 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007 |            |                |        |
| Profile          | 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)                             |            |                |        |
| Generator        | 190-COOPERVISION COOPERVISION                                           |            |                |        |

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/29/2017 13:51 | A_Scale_1 | JF #600676 |         | Tare  | 77920 lb |
| Out | 11/29/2017 14:08 | A_Scale_2 | JF #600676 |         | Net   | 27880 lb |
|     |                  |           |            |         | Tons  | 50040 lb |
|     |                  |           |            |         |       | 25.02    |

Comments

|   | Product            | LDX | Qty   | UDM  | Rate | Fee | Amount | Origin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 25.02 | 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\_\_\_\_\_





CC30

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Casper Vision  
Site Address 711 Nort RD  
City/State/Zip Scottville N.Y. 14541  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name L.G. Evans Construction  
Mailing Address 1523 Lakeville Rd  
City/State/Zip Avon N.Y. 14414  
Phone No. 585-226-2240

Landfill Profile No. 118.245 N.Y.

Description of Waste:

Construction - Demolition - Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK # | TYPE |
|-------|---------|------|
|       |         |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Mazurinski  
Generator Authorized Agent Name (Print)

James P. Mazurinski  
Signature

11/29/2017  
Shipment Date

Transporter Name C.C. Trucking, LLC  
Address 3823 Monroe - Orleans Township Rd  
City/State/Zip Brookport N.Y. 14420  
Phone No. 585-636-0001

Truck No. CC30  
Driver Name DAVID STRATION  
Vehicle License No./State 93301 MK

Transporter's  
US EPA No. SA-992

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

David Stration  
Driver Signature  
11-29-17  
Shipment Date

David Stration  
Driver Signature  
11-29-17  
Delivery Date

Facility Name High Acres Landfill  
Address 425 Perinton Pkwy  
City/State/Zip Fairport N.Y. 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

1189957  
SCALE TICKET NUMBER  
J. P. H. (H)  
Signature  
11-29-17  
Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189916

|                  |                                                                         |            |                |        |
|------------------|-------------------------------------------------------------------------|------------|----------------|--------|
| Customer Name    | LGEVANSINC-118245NY LG EVANS                                            | Carrier    | SWAN EQUIPMENT |        |
| Ticket Date      | 11/29/2017                                                              | Vehicle#   | 23             | Volume |
| Payment Type     | Credit Account                                                          | Container  |                |        |
| Manual Ticket#   |                                                                         | Driver     |                |        |
| Hauling Ticket#  |                                                                         | Check#     |                |        |
| Route            |                                                                         | Billing #  | 0007263        |        |
| State Waste Code |                                                                         | Gen EPA ID | NOT REQUIRED   |        |
| Manifest         | NA                                                                      | Grid       | CELL 11        |        |
| Destination      |                                                                         |            |                |        |
| PO               | 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007 |            |                |        |
| Profile          | 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)                             |            |                |        |
| Generator        | 190-COOPERVISION COOPERVISION                                           |            |                |        |

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/29/2017 12:15 | A_Scale_1 | JF #600676 |         | Tare  | 71800 lb |
| Out | 11/29/2017 12:15 |           | JF #600676 |         | Net   | 26780 lb |
|     |                  |           |            |         | Tons  | 45020 lb |
|     |                  |           |            |         |       | 22.51    |

Comments

|   | Product                | LD% | Qty   | UDM  | Rate | Fee | Amount | Origin |
|---|------------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons 100 |     | 22.51 | Tons |      |     |        | MON    |
| 2 | EVF-P-Standard Env 100 |     |       | %    |      |     |        |        |
| 3 | RCR-P-Regulatory C 100 |     |       | %    |      |     |        |        |
| 4 | LFS4-LANDFILL FIXE 100 |     |       | %    |      |     |        |        |

Total Fees  
Total Ticket

Driver's Signature \_\_\_\_\_







23

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Cooper Vision.  
Site Address 711 North Rd  
City/State/Zip Scottsville NY 14546  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name LC Evans Construction  
Mailing Address 1823 Lakeville Rd  
City/State/Zip Avon NY 14414  
Phone No. 585 226 2240

Landfill Profile No. 118245 NY

Description of Waste:

Construction & Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK # | TYPE |
|-------|---------|------|
|       |         |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Mizurushi  
Generator Authorized Agent Name (Print)

James P. Mizurushi  
Signature

11/29/2017  
Shipment Date

Transporter Name Swan Trucking  
Address 1823 Lakeville Rd  
City/State/Zip Avon NY 14414  
Phone No. 585 226 2240

Truck No. 23  
Driver Name Robert Strassen  
Vehicle License No./State 58057 NJ - NY

Transporter's  
US EPA No. Permit # SH 1014

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Robert Strassen  
Driver Signature

Shipment Date

Robert Strassen  
Driver Signature

Delivery Date

Facility Name High Acres Landfill  
Address 425 Princeton Pk.

City/State/Zip Fairport NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

11899110

SCALE TICKET NUMBER

1-911-1010  
Signature

11/21/17  
Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189901

|                  |                                                                         |            |                |        |
|------------------|-------------------------------------------------------------------------|------------|----------------|--------|
| Customer Name    | LGEVANSINC-118245NY LG EVANS                                            | Carrier    | SWAN EQUIPMENT | Volume |
| Ticket Date      | 11/29/2017                                                              | Vehicle#   | cc30           |        |
| Payment Type     | Credit Account                                                          | Container  |                |        |
| Manual Ticket#   |                                                                         | Driver     |                |        |
| Hauling Ticket#  |                                                                         | Check#     |                |        |
| Route            |                                                                         | Billing #  | 0007263        |        |
| State Waste Code |                                                                         | Gen EPA ID | NOT REQUIRED   |        |
| Manifest         | na                                                                      | Grid       | CELL 11        |        |
| Destination      |                                                                         |            |                |        |
| PO               | 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007 |            |                |        |
| Profile          | 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)                             |            |                |        |
| Generator        | 190-COOPERVISION COOPERVISION                                           |            |                |        |

|     | Time                       | Scale      | Operator | Inbound | Gross |          |
|-----|----------------------------|------------|----------|---------|-------|----------|
| In  | 11/29/2017 11:34 A_Scale_1 | NM #603985 |          |         | Tare  | 72280 lb |
| Out | 11/29/2017 11:53 A_Scale_2 | NM #603985 |          |         | Net   | 27980 lb |
|     |                            |            |          |         | Tons  | 44300 lb |
|     |                            |            |          |         |       | 22.15    |

Comments

|   | Product            | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 22.15 | 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 \_\_\_\_\_







CC3

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Caper Construction  
Site Address 711 North Rd  
City/State/Zip Sartsville N.Y. 14546  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name LGEVANS Construction  
Mailing Address 1923 Lakeville Pl  
City/State/Zip Avon N.Y. 14414  
Phone No. 585-726-2240

Landfill Profile No. 119.245 N.Y.

#### Description of Waste:

Construction + Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK # | TYPE |
|-------|---------|------|
|       |         |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Mazurkiewicz  
Generator Authorized Agent Name (Print)

James P. Mazurkiewicz  
Signature

11/29/2017  
Shipment Date

Transporter Name CC Trucking LLC  
Address 3423 Monroe Orleans  
City/State/Zip Brooklyn N.Y. 14420  
Phone No. 585-638-6001

Truck No. \_\_\_\_\_

Driver Name \_\_\_\_\_

Vehicle License No./State 73301 MK

Transporter's

US EPA No. SA-990

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Dal Stuten  
Driver Signature

11-29-17  
Shipment Date

Driver Signature \_\_\_\_\_ Delivery Date \_\_\_\_\_

Facility Name High Acres Landfill

Address 425 Perinton Pkwy City/State/Zip Fairport N.Y. 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

1159870

Dal Stuten  
Signature

11-29-17  
Receipt Date

SCALE TICKET NUMBER 1189901

Signature \_\_\_\_\_

Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189870

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/29/2017 Vehicle# 23 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time                       | Scale      | Operator | Inbound | Gross |          |
|-----|----------------------------|------------|----------|---------|-------|----------|
| In  | 11/29/2017 10:22 A_Scale_1 | JF #600676 |          |         | Tare  | 71080 lb |
| Out | 11/29/2017 10:22           | JF #600676 |          |         | Net   | 26780 lb |
|     |                            |            |          |         | Tons  | 44300 lb |
|     |                            |            |          |         |       | 22.15    |

Comments

| Product                  | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|--------------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons 100 |     | 22.15 | Tons |      |     |        | MON    |
| 2 EVF-P-Standard Env 100 |     |       | %    |      |     |        |        |
| 3 RCR-P-Regulatory C 100 |     |       | %    |      |     |        |        |
| 4 LFS4-LANDFILL FIXE 100 |     |       | %    |      |     |        |        |

Total Fees  
Total Ticket

Driver's Signature \_\_\_\_\_





## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Cooper Vision  
Site Address 711 North Rd.  
City/State/Zip Scottsville N.Y. 14546  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name LG Evans Construction  
Mailing Address 1803 Lakeville Rd  
City/State/Zip Avon N.Y. 14414  
Phone No. 585 226 2240

Landfill Profile No. 118245 NY

Description of Waste:

Construction & Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK # | TYPE |
|-------|---------|------|
|       |         |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Mazurkewski  
Generator Authorized Agent Name (Print)

James P. Mazurkewski  
Signature

11/29/2017  
Shipment Date

Transporter Name Swan Trucking  
Address 1803 Lakeville Rd  
City/State/Zip Avon N.Y. 14414  
Phone No. 585 226 2240

Truck No. 23  
Driver Name Robert Stassner  
Vehicle License No./State 80457 MJ - NY

Transporter's  
US EPA No. Permit # 8A 1014

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Robert W. H. [Signature]  
Driver Signature

11/29/17  
Shipment Date

Robert W. H. [Signature]  
Driver Signature

11/29/17  
Delivery Date

Facility Name High Acres Land Fill  
Address 125 Borinton Pkwy

City/State/Zip Fairport N.Y. 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

1180870  
SCALE TICKET NUMBER

[Signature]  
Signature

11/29/17  
Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189968

Customer Name LGEVANSINC-118245NY LG EVANS Carrier SWAN EQUIPMENT  
Ticket Date 11/29/2017 Vehicle# 23 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0007263  
State Waste Code Gen EPA ID NOT REQUIRED  
Manifest NA Grid CELL 11  
Destination  
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007  
Profile 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)  
Generator 190-COOPERVISION COOPERVISION

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/29/2017 14:23 | A_Scale_1 | JF #600676 |         | Tare  | 82120 lb |
| Out | 11/29/2017 14:23 |           | JF #600676 |         | Net   | 26780 lb |
|     |                  |           |            |         | Tons  | 55340 lb |
|     |                  |           |            |         |       | 27.67    |

Comments

|   | Product            | LD% | Qty   | UDM  | Rate | Fee | Amount | Origin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 27.67 | 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 \_\_\_\_\_







23

## NON-HAZARDOUS WASTE MANIFEST

### SITE INFORMATION

Generator Name Cape Vision  
Site Address 711 North 4 Rd.  
City/State/Zip Scotsville ny 14546  
Phone No. \_\_\_\_\_

### MAILING INFORMATION

Company Name LCD Evans Construction  
Mailing Address 1823 Lakeville Rd  
City/State/Zip Axon ny 14414  
Phone No. 585 226 2240

Landfill Profile No. 18245 ny

Description of Waste:

Construction and Demolition Debris

Additional Handling Instructions for Material Listed Above:

| UNITS | TRUCK # | TYPE |
|-------|---------|------|
|       |         |      |

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Gene P. Muzurich  
Generator Authorized Agent Name (Print)

Gene P. Muzurich  
Signature

11/29/2017  
Shipment Date

Transporter Name Swan Trucking  
Address 1823 Lakeville Rd  
City/State/Zip Axon ny 14414  
Phone No. \_\_\_\_\_

Truck No. 23  
Driver Name Robert Strassman  
Vehicle License No./State 58087 NJ - NY  
Transporter's US EPA No. Permit # 8A-1014

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Robert M. [Signature]  
Driver Signature

11/29/17  
Shipment Date

Robert M. [Signature]  
Driver Signature

11/29/17  
Delivery Date

Facility Name High Acres Landfill  
Address 425 Perinton Pkwy

City/State/Zip Fairport ny 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

11299118

[Signature]

11/29/17

SCALE TICKET NUMBER

Signature

Receipt Date



High Acres LF  
425 Perinton Pkwy  
Fairport, NY, 14450  
Ph: (585) 223-6132

Original  
Ticket# 1189996

|                  |                                                                         |            |                |        |
|------------------|-------------------------------------------------------------------------|------------|----------------|--------|
| Customer Name    | LGEVANSINC-118245NY LG EVANS                                            | Carrier    | SWAN EQUIPMENT | Volume |
| Ticket Date      | 11/30/2017                                                              | Vehicle#   | 23             |        |
| Payment Type     | Credit Account                                                          | Container  |                |        |
| Manual Ticket#   |                                                                         | Driver     |                |        |
| Hauling Ticket#  |                                                                         | Check#     |                |        |
| Route            |                                                                         | Billing #  | 0007263        |        |
| State Waste Code |                                                                         | Gen EPA ID | NOT REQUIRED   |        |
| Manifest         | NA                                                                      | Grid       | CELL 11        |        |
| Destination      |                                                                         |            |                |        |
| PO               | 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007 |            |                |        |
| Profile          | 118245NY (CONSTRUCTION & DEMOLITION DEBRIS)                             |            |                |        |
| Generator        | 190-COOPERVISION COOPERVISION                                           |            |                |        |

|     | Time             | Scale     | Operator   | Inbound | Gross |          |
|-----|------------------|-----------|------------|---------|-------|----------|
| In  | 11/30/2017 07:07 | A_Scale_1 | JF #600676 |         | Tare  | 86600 lb |
| Out | 11/30/2017 07:07 |           | JF #600676 |         | Net   | 26780 lb |
|     |                  |           |            |         | Tons  | 59820 lb |
|     |                  |           |            |         |       | 29.91    |

Comments

|   | Product            | LD% | Qty   | UDM  | Rate | Fee | Amount | Origin |
|---|--------------------|-----|-------|------|------|-----|--------|--------|
| 1 | Cont Soil RCG-Tons | 100 | 29.91 | 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 \_\_\_\_\_







23

## NON-HAZARDOUS WASTE MANIFEST

## SITE INFORMATION

Generator Name Cosco V  
Site Address 711 North Oak  
City/State/Zip Scottsville NY 14546  
Phone No. \_\_\_\_\_

## MAILING INFORMATION

Company Name LCD Egan Construction  
Mailing Address 1823 Lakeville Rd  
City/State/Zip Aum NY 14614  
Phone No. 585 276 2340

Landfill Profile No. 118245 NY

Description of Waste:

Construction & Demolition Debris

Additional Handling Instructions for Material Listed Above:

UNITS TRUCK # TYPE

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name (Print)

Signature

Shipment Date

Transporter Name Sabin Trucking  
Address 1823 Lakeville Rd  
City/State/Zip Aum NY 14614  
Phone No. \_\_\_\_\_

Truck No. 23  
Driver Name Robert Strassman  
Vehicle License No./State 58087 NJ-NY

Transporter's  
US EPA No. Permit # 8A-1614

I hereby certify that the above named material was delivered with-out incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

Facility Name High Rise LandfillAddress 425 Bantam PlinyCity/State/Zip Fairfield NY 14450

I hereby certify that the above named material has been received at this facility and properly disposed of.

SCALE TICKET NUMBER

Signature

Receipt Date



## ANALYTICAL REPORT

|                 |                                                                                 |
|-----------------|---------------------------------------------------------------------------------|
| Lab Number:     | L1746863                                                                        |
| Client:         | Haley & Aldrich<br>200 Town Centre Drive<br>Suite 2<br>Rochester, NY 14623-4264 |
| ATTN:           | Mark Ramsdell                                                                   |
| Phone:          | (585) 359-9000                                                                  |
| Project Name:   | SOIL BORINGS                                                                    |
| Project Number: | 129375-002 SID 5.1                                                              |
| Report Date:    | 12/26/17                                                                        |

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), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L1746863-01                | B175-121917-1015 | SOIL          | COOPER VISION              | 12/19/17 10:15                  | 12/19/17            |
| L1746863-02                | B176-121917-1145 | SOIL          | COOPER VISION              | 12/19/17 11:45                  | 12/19/17            |
| L1746863-03                | B174-121917-0930 | SOIL          | COOPER VISION              | 12/19/17 09:30                  | 12/19/17            |
| L1746863-04                | B177-121917-1340 | SOIL          | COOPER VISION              | 12/19/17 13:40                  | 12/19/17            |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

### 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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### 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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

---

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**Case Narrative (continued)**

Report Submission

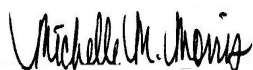
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

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:



Michelle M. Morris

Title: Technical Director/Representative

Date: 12/26/17

# ORGANICS



# **VOLATILES**

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-01  
**Client ID:** B175-121917-1015  
**Sample Location:** COOPER VISION

**Date Collected:** 12/19/17 10:15  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 12/22/17 12:52  
**Analyst:** NL  
**Percent Solids:** 93%  
**TCLP/SPLP Ext. Date:** 12/21/17 14:46

| 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 | 90         |           | 70-130              |
| Toluene-d8            | 97         |           | 70-130              |
| 4-Bromofluorobenzene  | 91         |           | 70-130              |
| dibromofluoromethane  | 102        |           | 70-130              |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-01  
**Client ID:** B175-121917-1015  
**Sample Location:** COOPER VISION

**Date Collected:** 12/19/17 10:15  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 12/22/17 15:28  
**Analyst:** BD  
**Percent Solids:** 93%

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 11  | 1.8  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.6 | 0.29 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.6 | 0.40 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.1 | 0.37 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 3.8 | 0.24 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.6 | 0.34 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 1.1 | 0.32 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 1.1 | 0.38 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 5.4 | 0.45 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.1 | 0.26 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 1.1 | 0.38 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 1.1 | 0.33 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.1 | 0.22 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 1.1 | 0.25 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.3 | 0.26 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.1 | 0.32 | 1               |
| Benzene                                      | ND     |           | ug/kg | 1.1 | 0.21 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.6 | 0.21 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.1 | 0.18 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 5.4 | 0.47 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.2 | 0.36 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 2.2 | 0.34 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.2 | 0.34 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.1 | 0.40 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.6 | 0.26 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 1.1 | 0.32 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 5.4 | 0.20 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 5.4 | 0.24 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 5.4 | 0.20 | 1               |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-01  
**Client ID:** B175-121917-1015  
**Sample Location:** COOPER VISION

**Date Collected:** 12/19/17 10:15  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.2 | 0.16 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.2 | 0.38 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 2.2 | 0.36 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.1 | 0.37 | 1               |
| Styrene                                      | ND     |           | ug/kg | 2.2 | 0.43 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 11  | 0.54 | 1               |
| Acetone                                      | ND     |           | ug/kg | 11  | 2.5  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 11  | 1.2  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 11  | 0.74 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 11  | 0.26 | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 11  | 0.72 | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 5.4 | 0.38 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 4.3 | 0.21 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 5.4 | 0.43 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.1 | 0.21 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 5.4 | 0.27 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 5.4 | 0.23 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 22  | 0.50 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 22  | 0.47 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 43  | 16.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 22  | 0.55 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.3 | 0.26 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 114        |           | 70-130              |
| Toluene-d8            | 107        |           | 70-130              |
| 4-Bromofluorobenzene  | 113        |           | 70-130              |
| Dibromofluoromethane  | 97         |           | 70-130              |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-02  
**Client ID:** B176-121917-1145  
**Sample Location:** COOPER VISION

**Date Collected:** 12/19/17 11:45  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 12/22/17 13:25  
**Analyst:** NL  
**Percent Solids:** 87%  
**TCLP/SPLP Ext. Date:** 12/21/17 14:46

| 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 | 91         |           | 70-130              |
| Toluene-d8            | 97         |           | 70-130              |
| 4-Bromofluorobenzene  | 85         |           | 70-130              |
| dibromofluoromethane  | 102        |           | 70-130              |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-02  
**Client ID:** B176-121917-1145  
**Sample Location:** COOPER VISION

**Date Collected:** 12/19/17 11:45  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 12/22/17 15:56  
**Analyst:** BD  
**Percent Solids:** 87%

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 10  | 1.6  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.5 | 0.27 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.5 | 0.37 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.0 | 0.34 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 3.5 | 0.23 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.0 | 0.18 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.5 | 0.31 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 1.0 | 0.30 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 1.0 | 0.35 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 5.0 | 0.42 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.0 | 0.24 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 1.0 | 0.35 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 1.0 | 0.31 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.0 | 0.21 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 1.0 | 0.23 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.0 | 0.24 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.0 | 0.30 | 1               |
| Benzene                                      | ND     |           | ug/kg | 1.0 | 0.19 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.5 | 0.19 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.0 | 0.17 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 5.0 | 0.43 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.0 | 0.34 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 2.0 | 0.31 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.0 | 0.31 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.0 | 0.37 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.5 | 0.24 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 1.0 | 0.30 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 5.0 | 0.18 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 5.0 | 0.22 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 5.0 | 0.18 | 1               |



**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-02  
**Client ID:** B176-121917-1145  
**Sample Location:** COOPER VISION

**Date Collected:** 12/19/17 11:45  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.0 | 0.15 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.0 | 0.35 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 2.0 | 0.34 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.0 | 0.34 | 1               |
| Styrene                                      | ND     |           | ug/kg | 2.0 | 0.40 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 10  | 0.50 | 1               |
| Acetone                                      | 3.5    | J         | ug/kg | 10  | 2.3  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 10  | 1.1  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 10  | 0.69 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 10  | 0.24 | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 10  | 0.66 | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 5.0 | 0.36 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 4.0 | 0.20 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 5.0 | 0.39 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.0 | 0.19 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 5.0 | 0.25 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 5.0 | 0.21 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 20  | 0.46 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 20  | 0.43 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 40  | 14.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 20  | 0.51 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.0 | 0.24 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 113        |           | 70-130              |
| Toluene-d8            | 107        |           | 70-130              |
| 4-Bromofluorobenzene  | 111        |           | 70-130              |
| Dibromofluoromethane  | 100        |           | 70-130              |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-03  
**Client ID:** B174-121917-0930  
**Sample Location:** COOPER VISION

**Date Collected:** 12/19/17 09:30  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 12/22/17 13:58  
**Analyst:** NL  
**Percent Solids:** 94%  
**TCLP/SPLP Ext. Date:** 12/21/17 14:46

| 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 | 93         |           | 70-130              |
| Toluene-d8            | 94         |           | 70-130              |
| 4-Bromofluorobenzene  | 94         |           | 70-130              |
| dibromofluoromethane  | 101        |           | 70-130              |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-03  
**Client ID:** B174-121917-0930  
**Sample Location:** COOPER VISION

**Date Collected:** 12/19/17 09:30  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 12/22/17 16:24  
**Analyst:** BD  
**Percent Solids:** 94%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 8.8  | 1.4  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.3  | 0.24 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.3  | 0.33 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 0.88 | 0.30 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 3.1  | 0.20 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 0.88 | 0.16 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.3  | 0.28 | 1               |
| Tetrachloroethene                            | 0.44   | J         | ug/kg | 0.88 | 0.27 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.88 | 0.31 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.4  | 0.37 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 0.88 | 0.22 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.88 | 0.31 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.88 | 0.27 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 0.88 | 0.18 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.88 | 0.20 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 3.5  | 0.21 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.88 | 0.26 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.88 | 0.17 | 1               |
| Toluene                                      | 0.25   | J         | ug/kg | 1.3  | 0.17 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 0.88 | 0.15 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.4  | 0.38 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 1.8  | 0.30 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 1.8  | 0.28 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 1.8  | 0.28 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 0.88 | 0.33 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.3  | 0.21 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.88 | 0.27 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 4.4  | 0.16 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 4.4  | 0.19 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 4.4  | 0.16 | 1               |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-03  
**Client ID:** B174-121917-0930  
**Sample Location:** COOPER VISION

**Date Collected:** 12/19/17 09:30  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 1.8  | 0.14 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 1.8  | 0.31 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.8  | 0.30 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 0.88 | 0.30 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.8  | 0.35 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 8.8  | 0.44 | 1               |
| Acetone                                      | 6.2    | J         | ug/kg | 8.8  | 2.0  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 8.8  | 0.97 | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 8.8  | 0.61 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 8.8  | 0.22 | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 8.8  | 0.59 | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 4.4  | 0.32 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 3.5  | 0.18 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 4.4  | 0.35 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 0.88 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 4.4  | 0.22 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 4.4  | 0.19 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 18   | 0.41 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 18   | 0.38 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 35   | 13.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 18   | 0.45 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 3.5  | 0.21 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 116        |           | 70-130              |
| Toluene-d8            | 104        |           | 70-130              |
| 4-Bromofluorobenzene  | 116        |           | 70-130              |
| Dibromofluoromethane  | 103        |           | 70-130              |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-04  
**Client ID:** B177-121917-1340  
**Sample Location:** COOPER VISION

**Date Collected:** 12/19/17 13:40  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 12/22/17 14:32  
**Analyst:** NL  
**Percent Solids:** 91%  
**TCLP/SPLP Ext. Date:** 12/21/17 14:46

| 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                              | 8.6    |           | 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 | 90         |           | 70-130              |
| Toluene-d8            | 95         |           | 70-130              |
| 4-Bromofluorobenzene  | 89         |           | 70-130              |
| dibromofluoromethane  | 103        |           | 70-130              |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-04  
**Client ID:** B177-121917-1340  
**Sample Location:** COOPER VISION

**Date Collected:** 12/19/17 13:40  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 12/22/17 16:53  
**Analyst:** BD  
**Percent Solids:** 91%

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 11  | 1.8  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.6 | 0.30 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.6 | 0.40 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.1 | 0.38 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 3.8 | 0.25 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.6 | 0.34 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 1.1 | 0.33 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 1.1 | 0.38 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 5.5 | 0.46 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.1 | 0.27 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 1.1 | 0.38 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 1.1 | 0.34 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.1 | 0.23 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 1.1 | 0.25 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.4 | 0.26 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 1.1 | 0.33 | 1               |
| Benzene                                      | ND     |           | ug/kg | 1.1 | 0.21 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.6 | 0.21 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 5.5 | 0.48 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.2 | 0.37 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 2.2 | 0.34 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.2 | 0.35 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.1 | 0.41 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.6 | 0.26 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 1.1 | 0.33 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 5.5 | 0.20 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 5.5 | 0.24 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 5.5 | 0.20 | 1               |



**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-04  
**Client ID:** B177-121917-1340  
**Sample Location:** COOPER VISION

**Date Collected:** 12/19/17 13:40  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.2 | 0.17 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.2 | 0.38 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 2.2 | 0.37 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.1 | 0.38 | 1               |
| Styrene                                      | ND     |           | ug/kg | 2.2 | 0.44 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 11  | 0.55 | 1               |
| Acetone                                      | ND     |           | ug/kg | 11  | 2.5  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 11  | 1.2  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 11  | 0.76 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 11  | 0.27 | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 11  | 0.73 | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 5.5 | 0.39 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 4.4 | 0.22 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 5.5 | 0.43 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.1 | 0.21 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 5.5 | 0.28 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 5.5 | 0.24 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 22  | 0.51 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 22  | 0.47 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 44  | 16.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 22  | 0.56 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.4 | 0.26 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 116        |           | 70-130              |
| Toluene-d8            | 106        |           | 70-130              |
| 4-Bromofluorobenzene  | 110        |           | 70-130              |
| Dibromofluoromethane  | 101        |           | 70-130              |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8260C  
**Analytical Date:** 12/22/17 08:32  
**Analyst:** MV

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG1075821-5 |        |           |       |     |      |
| Methylene chloride                                                                       | ND     |           | ug/kg | 10  | 1.6  |
| 1,1-Dichloroethane                                                                       | ND     |           | ug/kg | 1.5 | 0.27 |
| Chloroform                                                                               | ND     |           | ug/kg | 1.5 | 0.37 |
| Carbon tetrachloride                                                                     | ND     |           | ug/kg | 1.0 | 0.34 |
| 1,2-Dichloropropane                                                                      | ND     |           | ug/kg | 3.5 | 0.23 |
| Dibromochloromethane                                                                     | ND     |           | ug/kg | 1.0 | 0.18 |
| 1,1,2-Trichloroethane                                                                    | ND     |           | ug/kg | 1.5 | 0.31 |
| Tetrachloroethene                                                                        | ND     |           | ug/kg | 1.0 | 0.30 |
| Chlorobenzene                                                                            | ND     |           | ug/kg | 1.0 | 0.35 |
| Trichlorofluoromethane                                                                   | ND     |           | ug/kg | 5.0 | 0.42 |
| 1,2-Dichloroethane                                                                       | ND     |           | ug/kg | 1.0 | 0.25 |
| 1,1,1-Trichloroethane                                                                    | ND     |           | ug/kg | 1.0 | 0.35 |
| Bromodichloromethane                                                                     | ND     |           | ug/kg | 1.0 | 0.31 |
| trans-1,3-Dichloropropene                                                                | ND     |           | ug/kg | 1.0 | 0.21 |
| cis-1,3-Dichloropropene                                                                  | ND     |           | ug/kg | 1.0 | 0.23 |
| Bromoform                                                                                | ND     |           | ug/kg | 4.0 | 0.24 |
| 1,1,2,2-Tetrachloroethane                                                                | ND     |           | ug/kg | 1.0 | 0.30 |
| Benzene                                                                                  | ND     |           | ug/kg | 1.0 | 0.19 |
| Toluene                                                                                  | ND     |           | ug/kg | 1.5 | 0.20 |
| Ethylbenzene                                                                             | ND     |           | ug/kg | 1.0 | 0.17 |
| Chloromethane                                                                            | ND     |           | ug/kg | 5.0 | 0.44 |
| Bromomethane                                                                             | ND     |           | ug/kg | 2.0 | 0.34 |
| Vinyl chloride                                                                           | ND     |           | ug/kg | 2.0 | 0.32 |
| Chloroethane                                                                             | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,1-Dichloroethene                                                                       | ND     |           | ug/kg | 1.0 | 0.37 |
| trans-1,2-Dichloroethene                                                                 | ND     |           | ug/kg | 1.5 | 0.24 |
| Trichloroethene                                                                          | ND     |           | ug/kg | 1.0 | 0.30 |
| 1,2-Dichlorobenzene                                                                      | ND     |           | ug/kg | 5.0 | 0.18 |
| 1,3-Dichlorobenzene                                                                      | ND     |           | ug/kg | 5.0 | 0.22 |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8260C  
**Analytical Date:** 12/22/17 08:32  
**Analyst:** MV

| Parameter                                                                                | Result | Qualifier | Units | RL  | MDL  |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG1075821-5 |        |           |       |     |      |
| 1,4-Dichlorobenzene                                                                      | ND     |           | ug/kg | 5.0 | 0.18 |
| Methyl tert butyl ether                                                                  | ND     |           | ug/kg | 2.0 | 0.15 |
| p/m-Xylene                                                                               | ND     |           | ug/kg | 2.0 | 0.35 |
| o-Xylene                                                                                 | ND     |           | ug/kg | 2.0 | 0.34 |
| cis-1,2-Dichloroethene                                                                   | ND     |           | ug/kg | 1.0 | 0.34 |
| Styrene                                                                                  | ND     |           | ug/kg | 2.0 | 0.40 |
| Dichlorodifluoromethane                                                                  | ND     |           | ug/kg | 10  | 0.50 |
| Acetone                                                                                  | ND     |           | ug/kg | 10  | 2.3  |
| Carbon disulfide                                                                         | ND     |           | ug/kg | 10  | 1.1  |
| 2-Butanone                                                                               | ND     |           | ug/kg | 10  | 0.69 |
| 4-Methyl-2-pentanone                                                                     | ND     |           | ug/kg | 10  | 0.24 |
| 2-Hexanone                                                                               | ND     |           | ug/kg | 10  | 0.67 |
| Bromochloromethane                                                                       | ND     |           | ug/kg | 5.0 | 0.36 |
| 1,2-Dibromoethane                                                                        | ND     |           | ug/kg | 4.0 | 0.20 |
| 1,2-Dibromo-3-chloropropane                                                              | ND     |           | ug/kg | 5.0 | 0.40 |
| Isopropylbenzene                                                                         | ND     |           | ug/kg | 1.0 | 0.19 |
| 1,2,3-Trichlorobenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.25 |
| 1,2,4-Trichlorobenzene                                                                   | ND     |           | ug/kg | 5.0 | 0.22 |
| Methyl Acetate                                                                           | ND     |           | ug/kg | 20  | 0.46 |
| Cyclohexane                                                                              | ND     |           | ug/kg | 20  | 0.43 |
| 1,4-Dioxane                                                                              | ND     |           | ug/kg | 40  | 14.  |
| Freon-113                                                                                | ND     |           | ug/kg | 20  | 0.51 |
| Methyl cyclohexane                                                                       | ND     |           | ug/kg | 4.0 | 0.24 |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 12/22/17 08:32  
 Analyst: MV

| Parameter                                                                                | Result | Qualifier | Units | RL | MDL |
|------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG1075821-5 |        |           |       |    |     |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 110       |           | 70-130                 |
| Toluene-d8            | 106       |           | 70-130                 |
| 4-Bromofluorobenzene  | 110       |           | 70-130                 |
| Dibromofluoromethane  | 101       |           | 70-130                 |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8260C  
**Analytical Date:** 12/22/17 11:45  
**Analyst:** NL  
**TCLP/SPLP Extraction Date:** 12/21/17 14:46

**Extraction Date:** 12/21/17 14:46

| Parameter                                                                            | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-04 Batch: WG1075908-5 |        |           |       |     |      |
| 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 | 88        |           | 70-130              |
| Toluene-d8            | 98        |           | 70-130              |
| 4-Bromofluorobenzene  | 90        |           | 70-130              |
| dibromofluoromethane  | 105       |           | 70-130              |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG1075821-3 WG1075821-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                          | 96               |      | 94                |      | 70-130              | 2   |      | 30            |
| 1,1-Dichloroethane                                                                                          | 106              |      | 102               |      | 70-130              | 4   |      | 30            |
| Chloroform                                                                                                  | 96               |      | 93                |      | 70-130              | 3   |      | 30            |
| Carbon tetrachloride                                                                                        | 96               |      | 93                |      | 70-130              | 3   |      | 30            |
| 1,2-Dichloropropane                                                                                         | 107              |      | 105               |      | 70-130              | 2   |      | 30            |
| Dibromochloromethane                                                                                        | 86               |      | 87                |      | 70-130              | 1   |      | 30            |
| 1,1,2-Trichloroethane                                                                                       | 100              |      | 100               |      | 70-130              | 0   |      | 30            |
| Tetrachloroethene                                                                                           | 88               |      | 85                |      | 70-130              | 3   |      | 30            |
| Chlorobenzene                                                                                               | 93               |      | 92                |      | 70-130              | 1   |      | 30            |
| Trichlorofluoromethane                                                                                      | 98               |      | 92                |      | 70-139              | 6   |      | 30            |
| 1,2-Dichloroethane                                                                                          | 98               |      | 97                |      | 70-130              | 1   |      | 30            |
| 1,1,1-Trichloroethane                                                                                       | 98               |      | 95                |      | 70-130              | 3   |      | 30            |
| Bromodichloromethane                                                                                        | 100              |      | 99                |      | 70-130              | 1   |      | 30            |
| trans-1,3-Dichloropropene                                                                                   | 97               |      | 97                |      | 70-130              | 0   |      | 30            |
| cis-1,3-Dichloropropene                                                                                     | 100              |      | 100               |      | 70-130              | 0   |      | 30            |
| Bromoform                                                                                                   | 86               |      | 88                |      | 70-130              | 2   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                                   | 102              |      | 103               |      | 70-130              | 1   |      | 30            |
| Benzene                                                                                                     | 100              |      | 97                |      | 70-130              | 3   |      | 30            |
| Toluene                                                                                                     | 98               |      | 96                |      | 70-130              | 2   |      | 30            |
| Ethylbenzene                                                                                                | 99               |      | 96                |      | 70-130              | 3   |      | 30            |
| Chloromethane                                                                                               | 113              |      | 108               |      | 52-130              | 5   |      | 30            |
| Bromomethane                                                                                                | 93               |      | 88                |      | 57-147              | 6   |      | 30            |
| Vinyl chloride                                                                                              | 116              |      | 109               |      | 67-130              | 6   |      | 30            |



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG1075821-3 WG1075821-4 |                  |      |                   |      |                     |     |      |               |
| Chloroethane                                                                                                | 108              |      | 95                |      | 50-151              | 13  |      | 30            |
| 1,1-Dichloroethene                                                                                          | 98               |      | 92                |      | 65-135              | 6   |      | 30            |
| trans-1,2-Dichloroethene                                                                                    | 94               |      | 92                |      | 70-130              | 2   |      | 30            |
| Trichloroethene                                                                                             | 95               |      | 92                |      | 70-130              | 3   |      | 30            |
| 1,2-Dichlorobenzene                                                                                         | 88               |      | 88                |      | 70-130              | 0   |      | 30            |
| 1,3-Dichlorobenzene                                                                                         | 89               |      | 86                |      | 70-130              | 3   |      | 30            |
| 1,4-Dichlorobenzene                                                                                         | 88               |      | 88                |      | 70-130              | 0   |      | 30            |
| Methyl tert butyl ether                                                                                     | 94               |      | 94                |      | 66-130              | 0   |      | 30            |
| p/m-Xylene                                                                                                  | 93               |      | 89                |      | 70-130              | 4   |      | 30            |
| o-Xylene                                                                                                    | 90               |      | 88                |      | 70-130              | 2   |      | 30            |
| cis-1,2-Dichloroethene                                                                                      | 93               |      | 91                |      | 70-130              | 2   |      | 30            |
| Styrene                                                                                                     | 89               |      | 88                |      | 70-130              | 1   |      | 30            |
| Dichlorodifluoromethane                                                                                     | 85               |      | 80                |      | 30-146              | 6   |      | 30            |
| Acetone                                                                                                     | 106              |      | 107               |      | 54-140              | 1   |      | 30            |
| Carbon disulfide                                                                                            | 100              |      | 95                |      | 59-130              | 5   |      | 30            |
| 2-Butanone                                                                                                  | 102              |      | 105               |      | 70-130              | 3   |      | 30            |
| 4-Methyl-2-pentanone                                                                                        | 101              |      | 104               |      | 70-130              | 3   |      | 30            |
| 2-Hexanone                                                                                                  | 90               |      | 98                |      | 70-130              | 9   |      | 30            |
| Bromochloromethane                                                                                          | 85               |      | 84                |      | 70-130              | 1   |      | 30            |
| 1,2-Dibromoethane                                                                                           | 91               |      | 92                |      | 70-130              | 1   |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                                 | 83               |      | 88                |      | 68-130              | 6   |      | 30            |
| Isopropylbenzene                                                                                            | 97               |      | 94                |      | 70-130              | 3   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                      | 80               |      | 80                |      | 70-130              | 0   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

| Parameter                                                                                                   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG1075821-3 WG1075821-4 |                  |      |                   |      |                     |     |      |               |
| 1,2,4-Trichlorobenzene                                                                                      | 82               |      | 81                |      | 70-130              | 1   |      | 30            |
| Methyl Acetate                                                                                              | 111              |      | 114               |      | 51-146              | 3   |      | 30            |
| Cyclohexane                                                                                                 | 118              |      | 113               |      | 59-142              | 4   |      | 30            |
| 1,4-Dioxane                                                                                                 | 95               |      | 97                |      | 65-136              | 2   |      | 30            |
| Freon-113                                                                                                   | 98               |      | 95                |      | 50-139              | 3   |      | 30            |
| Methyl cyclohexane                                                                                          | 103              |      | 101               |      | 70-130              | 2   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 108              |      | 108               |      | 70-130                 |
| Toluene-d8            | 106              |      | 106               |      | 70-130                 |
| 4-Bromofluorobenzene  | 108              |      | 108               |      | 70-130                 |
| Dibromofluoromethane  | 100              |      | 99                |      | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-04 Batch: WG1075908-3 WG1075908-4 |                  |      |                   |      |                     |     |      |               |
| Chloroform                                                                                              | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Carbon tetrachloride                                                                                    | 93               |      | 91                |      | 63-132              | 2   |      | 20            |
| Tetrachloroethene                                                                                       | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Chlorobenzene                                                                                           | 110              |      | 110               |      | 75-130              | 0   |      | 25            |
| 1,2-Dichloroethane                                                                                      | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Benzene                                                                                                 | 110              |      | 100               |      | 70-130              | 10  |      | 25            |
| Vinyl chloride                                                                                          | 90               |      | 86                |      | 55-140              | 5   |      | 20            |
| 1,1-Dichloroethene                                                                                      | 94               |      | 92                |      | 61-145              | 2   |      | 25            |
| Trichloroethene                                                                                         | 120              |      | 110               |      | 70-130              | 9   |      | 25            |
| 1,4-Dichlorobenzene                                                                                     | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 2-Butanone                                                                                              | 71               |      | 66                |      | 63-138              | 7   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 101              |      | 100               |      | 70-130                 |
| Toluene-d8            | 96               |      | 96                |      | 70-130                 |
| 4-Bromofluorobenzene  | 85               |      | 84                |      | 70-130                 |
| dibromofluoromethane  | 102              |      | 102               |      | 70-130                 |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-01  
**Client ID:** B175-121917-1015  
**Sample Location:** COOPER VISION  
**Matrix:** Soil

**Date Collected:** 12/19/17 10:15  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 92.7   |           | %     | 0.100 | NA  | 1                  | -                | 12/20/17 17:53   | 121,2540G            | RI      |



**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

**SAMPLE RESULTS**

**Lab ID:** L1746863-02  
**Client ID:** B176-121917-1145  
**Sample Location:** COOPER VISION  
**Matrix:** Soil

**Date Collected:** 12/19/17 11:45  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 86.6   |           | %     | 0.100 | NA  | 1                  | -                | 12/20/17 17:53   | 121,2540G            | RI      |





**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

### SAMPLE RESULTS

**Lab ID:** L1746863-03  
**Client ID:** B174-121917-0930  
**Sample Location:** COOPER VISION  
**Matrix:** Soil

**Date Collected:** 12/19/17 09:30  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 94.2   |           | %     | 0.100 | NA  | 1                  | -                | 12/20/17 17:53   | 121,2540G            | RI      |



**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

### SAMPLE RESULTS

**Lab ID:** L1746863-04  
**Client ID:** B177-121917-1340  
**Sample Location:** COOPER VISION  
**Matrix:** Soil

**Date Collected:** 12/19/17 13:40  
**Date Received:** 12/19/17  
**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 91.2   |           | %     | 0.100 | NA  | 1                  | -                | 12/20/17 17:53   | 121,2540G            | RI      |



**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Duplicate Analysis**  
Batch Quality Control

**Lab Number:** L1746863  
**Report Date:** 12/26/17

| Parameter                                                                                                                             | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1075006-1 QC Sample: L1744208-21 Client ID: DUP Sample |               |                  |       |     |      |            |
| Solids, Total                                                                                                                         | 90.0          | 86.8             | %     | 4   |      | 20         |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863**Report Date:** 12/26/17**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
A                                  Absent

**Container Information**

| Container ID | Container Type                     | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)          |
|--------------|------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------|
| L1746863-01A | Vial Large Septa unpreserved (4oz) | A      | NA         |          | 4.0        | Y    | Absent |                  | TS(7),NYTCL-8260(14) |
| L1746863-01B | Vial Large Septa unpreserved (4oz) | A      | NA         |          | 4.0        | Y    | Absent |                  | TCLP-EXT-ZHE(14)     |
| L1746863-01S | Vial unpreserved Extracts          | A      | NA         |          | 4.0        | Y    | Absent |                  | TCLP-VOA(14)         |
| L1746863-01T | Vial unpreserved Extracts          | A      | NA         |          | 4.0        | Y    | Absent |                  | TCLP-VOA(14)         |
| L1746863-01X | Vial MeOH preserved split          | A      | NA         |          | 4.0        | Y    | Absent |                  | NYTCL-8260(14)       |
| L1746863-01Y | Vial Water preserved split         | A      | NA         |          | 4.0        | Y    | Absent | 21-DEC-17 12:39  | NYTCL-8260(14)       |
| L1746863-01Z | Vial Water preserved split         | A      | NA         |          | 4.0        | Y    | Absent | 21-DEC-17 12:38  | NYTCL-8260(14)       |
| L1746863-02A | Vial Large Septa unpreserved (4oz) | A      | NA         |          | 4.0        | Y    | Absent |                  | TS(7),NYTCL-8260(14) |
| L1746863-02B | Vial Large Septa unpreserved (4oz) | A      | NA         |          | 4.0        | Y    | Absent |                  | TCLP-EXT-ZHE(14)     |
| L1746863-02S | Vial unpreserved Extracts          | A      | NA         |          | 4.0        | Y    | Absent |                  | TCLP-VOA(14)         |
| L1746863-02T | Vial unpreserved Extracts          | A      | NA         |          | 4.0        | Y    | Absent |                  | TCLP-VOA(14)         |
| L1746863-02X | Vial MeOH preserved split          | A      | NA         |          | 4.0        | Y    | Absent |                  | NYTCL-8260(14)       |
| L1746863-02Y | Vial Water preserved split         | A      | NA         |          | 4.0        | Y    | Absent | 21-DEC-17 12:38  | NYTCL-8260(14)       |
| L1746863-02Z | Vial Water preserved split         | A      | NA         |          | 4.0        | Y    | Absent | 21-DEC-17 12:38  | NYTCL-8260(14)       |
| L1746863-03A | Vial Large Septa unpreserved (4oz) | A      | NA         |          | 4.0        | Y    | Absent |                  | TS(7),NYTCL-8260(14) |
| L1746863-03B | Vial Large Septa unpreserved (4oz) | A      | NA         |          | 4.0        | Y    | Absent |                  | TCLP-EXT-ZHE(14)     |
| L1746863-03S | Vial unpreserved Extracts          | A      | NA         |          | 4.0        | Y    | Absent |                  | TCLP-VOA(14)         |
| L1746863-03T | Vial unpreserved Extracts          | A      | NA         |          | 4.0        | Y    | Absent |                  | TCLP-VOA(14)         |
| L1746863-03X | Vial MeOH preserved split          | A      | NA         |          | 4.0        | Y    | Absent |                  | NYTCL-8260(14)       |
| L1746863-03Y | Vial Water preserved split         | A      | NA         |          | 4.0        | Y    | Absent | 21-DEC-17 12:38  | NYTCL-8260(14)       |
| L1746863-03Z | Vial Water preserved split         | A      | NA         |          | 4.0        | Y    | Absent | 21-DEC-17 12:38  | NYTCL-8260(14)       |
| L1746863-04A | Vial Large Septa unpreserved (4oz) | A      | NA         |          | 4.0        | Y    | Absent |                  | TS(7),NYTCL-8260(14) |
| L1746863-04B | Vial Large Septa unpreserved (4oz) | A      | NA         |          | 4.0        | Y    | Absent |                  | TCLP-EXT-ZHE(14)     |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

Serial\_No:12261714:50  
**Lab Number:** L1746863  
**Report Date:** 12/26/17

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>      | <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b> |
|---------------------|----------------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|--------------------|
| L1746863-04S        | Vial unpreserved Extracts  | A             | NA                    |                     | 4.0                   | Y           | Absent      |                             | TCLP-VOA(14)       |
| L1746863-04T        | Vial unpreserved Extracts  | A             | NA                    |                     | 4.0                   | Y           | Absent      |                             | TCLP-VOA(14)       |
| L1746863-04X        | Vial MeOH preserved split  | A             | NA                    |                     | 4.0                   | Y           | Absent      |                             | NYTCL-8260(14)     |
| L1746863-04Y        | Vial Water preserved split | A             | NA                    |                     | 4.0                   | Y           | Absent      | 21-DEC-17 12:38             | NYTCL-8260(14)     |
| L1746863-04Z        | Vial Water preserved split | A             | NA                    |                     | 4.0                   | Y           | Absent      | 21-DEC-17 12:38             | NYTCL-8260(14)     |

**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

## GLOSSARY

### Acronyms

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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).                        |
| 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.                                                                                                                                                                                                                                                        |
| 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.                                                                                                                                                                                                                                                  |
| 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.                                                                                                                                                                                                                                                                                                                                                                                               |
| 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

- 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.

**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.

**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 Condensation Product".
- 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

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

#### Data Qualifiers

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.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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 exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- 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).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers





**Project Name:** SOIL BORINGS  
**Project Number:** 129375-002 SID 5.1

**Lab Number:** L1746863  
**Report Date:** 12/26/17

## 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 it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



**Alpha Analytical, Inc.**

ID No.:17873

Facility: **Company-wide**

Revision 10

Department: **Quality Assurance**

Published Date: 1/16/2017 11:00:05 AM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

**Certification Information**

The following analytes are not included in our Primary NELAP Scope of Accreditation:

**Westborough Facility****EPA 624:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.**EPA 300:** DW: Bromide**EPA 6860:** NPW and SCM: Perchlorate**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation**EPA 9012B:** NPW: Total Cyanide**EPA 9050A:** NPW: Specific Conductance**SM3500:** NPW: Ferrous Iron**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**SM5310C:** DW: Dissolved Organic Carbon**Mansfield Facility****SM 2540D:** TSS**EPA 3005A** NPW**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

**Westborough Facility:****Drinking Water****EPA 300.0:** 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****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, 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 624:** Volatile Halocarbons & Aromatics,**EPA 608:** 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:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.****Mansfield Facility:****Drinking Water****EPA 200.7:** Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.**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, Pb, Mn, Ni, Se, Ag, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

### Service Centers

Page /  
of 4

12/20/17

61746863

**Mansfield, MA 02048**  
**320 Forbes Blvd**  
**TEL: 508-822-9300**  
**FAX: 508-822-3288**

## Email:

|                             |                                     |            |
|-----------------------------|-------------------------------------|------------|
| Standard                    | <input checked="" type="checkbox"/> | Due Date:  |
| Rush (only if pre approved) | <input type="checkbox"/>            | # of Days: |

PO #

☐ NYC Sewer Discharge

☐ NJ ☒ NY

Please specify Metals or TAL.

## Sample ID

Collection

Date \_\_\_\_\_

Time

Sample Matrix

Sampler's  
Initials

## ANALYSIS

### Sample Filtration

☐ Lab to do

*(Please Specify below)*

#### Sample Specific Comments

Q = Other

D = BOD Bottle

Mansfield: Certification No: MA015

|   |   |
|---|---|
| G | G |
|---|---|

|   |   |
|---|---|
| A | A |
|---|---|

~~Relinquished By:~~

Date/Time

Received By:

Date/Time

Form No: 01-25 HC (rev. 30-Sept-2013)

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

## **APPENDIX E**

### **NYSDEC Correspondence**

## McKenna, Santa

---

**From:** Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>  
**Sent:** Thursday, August 24, 2017 2:38 PM  
**To:** Ramsdell, Mark  
**Cc:** Dick, Vince; jmazurowski@coopervision.com; 'cmarraro@bakerlaw.com'; McKenna, Santa; Kenney, Julia M (HEALTH); Schilling, Bernette (DEC)  
**Subject:** RE: Coopervision #V00175 - 2017 Utility Building Addition

Mark;

Your request for relief from CAMP monitoring for the project discussed below is approved. The Department understands that the excavation work will otherwise be conducted in full conformance with the approved Site Management Plan.

Please contact me now if you have any questions.

**Frank Sowers, P.E.**

Professional Engineer 1, Division of Environmental Remediation

**New York State Department of Environmental Conservation**

6274 East Avon-Lima Rd, Avon, NY 14414

P: (585) 226-5357 | F: (585) 226-8139 | frank.sowers@dec.ny.gov

[www.dec.ny.gov](http://www.dec.ny.gov) |  | 

**From:** Ramsdell, Mark [mailto:MRamsdell@haleyaldrich.com]  
**Sent:** Friday, August 18, 2017 2:36 PM  
**To:** Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>  
**Cc:** Dick, Vince <VDick@haleyaldrich.com>; jmazurowski@coopervision.com; 'cmarraro@bakerlaw.com' <cmarraro@bakerlaw.com>; McKenna, Santa <SMcKenna@haleyaldrich.com>  
**Subject:** Coopervision #V00175 - 2017 Utility Building Addition

**ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.**

Frank – on behalf of CooperVision, please consider this 30-day notification for CooperVision to construct an approximately 2773 square foot building addition on the west side of the main building, just south of where the 2013 addition was constructed. See attached preliminary drawings. From discussions with CooperVision and their designer, the following is known:

- Slab on grade addition as shown on the drawings, with foundation to be typical < 5 ft. deep.
- The existing chiller, installed in 2013, needs to be relocated, since it is in the new addition footprint.
- All spoil materials, topsoil and fill will be staged onsite for later sampling and disposal, no reuse is planned.
- All import material will be crushed stone; we will review sieve analysis and permit before import.
- Chiller is scheduled to be moved on 21 September and the building addition will start on 18 October.
- Haley & Aldrich personnel will perform soil screening with a PID during chiller relocation and the initial new foundation excavation to confirm no impacts.

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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

September 1, 2017

James Mazurowski  
CooperVision  
711 North Road  
Rochester, NY 14546

Dear Mr. Mazurowski:

**Subject: 711 North Road (CooperVision), Site #V00175  
Change of Use Notification; August 28, 2017  
Village of Scottsville, Monroe County**

The New York State Department of Environmental Conservation (the Department) has completed its review of the 60-Day Advance Notice of Change of Use (the Change of Use) submitted on August 28, 2017 for the 711 North Road (CooperVision) site. The Change of Use was submitted as required by the approved Site Management Plan.

The Change of Use is for the construction of a 2,141 square foot, unoccupied building addition on the west side of the main CooperVision building. CooperVision represents that:

*"This location is outside of the area of original site contamination that was the basis for the Voluntary Cleanup Agreement, and will have no effect on or impacts from site contamination, nor will there be any effect on site engineering controls."*

Based on this information, the building addition project presented in the Change of Use can proceed.

Please contact me at 585-226-5357 if you have questions or concerns on this matter.

Sincerely,



Frank Sowers, P.E.  
Professional Engineer 1

ec:

Bernette Schilling  
Chris Marraro

Mark Ramsdell  
Santa McKenna

Vince Dick



Department of  
Environmental  
Conservation

- All documentation will be collected and submitted in the next PRR.

Based on the previous project and test pit activities which indicated no contamination in the area of the site, we would like to request relief on the *CAMP monitoring* and *soil vapor evaluation*, as was done on the prior 2013 addition. Of course, if we observe different conditions than what was found during the last project, we will modify our approach.

Please review and comment on our approach. If a more formal notification is required let us know and we can submit a letter.

Please advise.

Thanks,

Mark

**Mark N. Ramsdell, P.E.**

Senior Construction Project Manager

Professional Engineer (NY)

**Haley & Aldrich of New York**

200 Town Centre Drive | Suite 2

Rochester, NY 14623-4264

T: 585.321.4262

C: 585.370.6597

[www.haleyaldrich.com](http://www.haleyaldrich.com)



# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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

October 3, 2017

James Mazurowski  
CooperVision  
711 North Road  
Rochester, NY 14546

Dear Mr. Mazurowski:

**Subject: 711 North Road (CooperVision), Site #V00175  
Change of Use Notification; September 11, 2017  
Village of Scottsville, Monroe County**

The New York State Department of Environmental Conservation (the Department) has completed its review of the 60-Day Advance Notice of Change of Use submitted on September 11, 2017 (the Notice) for the 711 North Road (CooperVision) site (the site).

The Notice is for demolition of an existing storage structure on the south side of the facility, and subsequent construction of an approximate 2,800-sf addition that will occupy the footprint of the previous storage structure as well as a current outdoor area immediately west of the storage structure. This proposed addition will also be located over the area of the site with the highest contamination and will affect the site engineering controls, including the monitoring well network, the sub-slab depressurization system (SSDS) and the existing cover system.

Before discussing the Department's concerns with the proposed new addition, the Department must first address the following inaccurate claims included in the Notice:

1. a formal Notification of Change of Use is not required under 6 NYCRR Part 375 (Part 375); and
2. the only notifications required under the facility's Site Management Plan (SMP) is a 30-day notification in advance of site excavation.

The Notification of Change of Use provisions of Part 375 are incorporated into Section 2.6.2 of the SMP (attached) which requires *"60-day advance notice of any proposed changes in site use that are required under the terms of the VCA, 6 NYCRR Part 375, and/or Environmental Conservation Law."*

Since the change of use provisions in Part 375 apply to the site, the next step is to determine if the proposed actions identified in the Notice constitute a change of use as defined in Part 375. Per Part 375, activities that constitute a change of use include, but are not limited to, the following:

1. the erection of any structure on a site; or
2. any activity that is likely to disrupt or expose contamination or to increase direct human exposure; or



Department of  
Environmental  
Conservation

3. any other conduct that will or may tend to significantly interfere with an ongoing or completed remedial program at such site and the continued ability to implement the engineering and institutional controls associated with such site.

Based on the information provided in the Notice, the Department has determined that the proposed building addition meets all three of the above categories. Therefore, a formal Notification of Change of Use is required.

The second inaccurate claim is that the only notifications required under the facility's Site Management Plan (SMP) is a 30-day notification in advance of site excavation. Please again refer to Section 2.6.2 of the SMP which identifies multiple situations which require notifications to the Department. Additional notifications are also required under other sections of the SMP. For example, Section 3.6 of the SMP states that *"The NYSDEC will be notified prior to any repair or decommissioning of monitoring wells..."* and that *"Monitoring wells will not be decommissioned without written approval from NYSDEC."* The Section 3.6 notification requirements are also applicable to the project described in the Notice which includes decommissioning some existing wells and installing new wells.

Now that the inaccurate claims in the Notice have been addressed, the remainder of this letter will discuss the Department's concerns with the proposed building addition:

1. The Notice states that the SSDS will be expanded to include the footprint of the new addition. Prior to the start of construction, the Department must approve a complete engineering design plan for the SSDS. The design plan must be stamped and certified (in accordance with DER-10) by a professional engineer licensed to practice in the State of New York and include the plans, specifications, and post-construction testing and reporting activities for the SSDS.
2. The Notice proposes to selectively replace existing wells in the construction area at a location outside and adjacent to the building addition. Please provide additional information about which wells will be decommissioned, exactly where the new wells will be installed, and how they will be constructed. The Department is concerned that moving the wells will significantly interfere with the ongoing remedial program by affecting the validity of future trend analysis evaluations. To address this concern, the Department requests that the wells be replaced at the same location.
3. The SMP includes provisions to evaluate and implement additional remedial measures at the site, including in the area of the proposed building addition, based on the groundwater trend analysis evaluations. The Department is concerned that the location of the proposed addition will significantly interfere with the ongoing remedial program by making it infeasible to implement additional remedial measures below the new building addition. To address this concern, the Department requests that the project include installation of a permanent injection system under the addition, or another alternative acceptable to the Department, to allow for future remedial action under the addition.

The building addition project presented in the Notice cannot proceed until these issues have been addressed to the Department's satisfaction.

Please contact me at 585-226-5357 if you have questions or concerns on this matter.

Sincerely,



Frank Sowers, P.E.  
Professional Engineer 1

**Attach: Section 2.6.2 of the SMP**

**ec: w/attach**

**Bernette Schilling**

**Mark Ramsdell**

**Vince Dick**

**Chris Marraro**

**Santa McKenna**

**Julia Kenney**

**Mike Cruden**

**Justin Deming**

**Wade Silkworth**

**Bob Ooyama**

**Tricia Goodenough**

If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs, an inspection of the site will be conducted within 5 days of the event to verify the effectiveness of the EC/ICs implemented at the site by a qualified environmental professional as determined by NYSDEC.

## 2.6.2 General Notifications

Notifications will be submitted by the site owner to the NYSDEC as needed for the following reasons:

- 60-day advance notice of any proposed changes in site use that are required under the terms of the VCA, 6NYCRR Part 375, and/or Environmental Conservation Law.
- 30-day advance notice of any proposed excavation projects that deviate from the procedures described in the Excavation Plan.
- Notice within 48-hours of any damage or defect to the foundations structures that reduces or has the potential to reduce the effectiveness of other Engineering Controls and likewise any action to be taken to mitigate the damage or defect.
- Notice within 48-hours of any emergency, such as a fire, flood, or earthquake that reduces or has the potential to reduce the effectiveness of Engineering Controls in place at the site, including a summary of actions taken, or to be taken, and the potential impact to the environment and the public.
- Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action shall be submitted to the NYSDEC within 45 days and shall describe and document actions taken to restore the effectiveness of the ECs.
- Notifications will be made to Mr. Frank Sowers (NYSDEC Project Manager) at (585) 226-5357. In the event that NYSDEC develops a centralized notification system, that system will be used instead.

## 2.6.3 Evaluation

The results of the inspection and site monitoring data will be evaluated as part of the EC/IC certification to confirm that the:

- EC/ICs are in place, are performing properly, and remain effective;
- The Monitoring Plan is being implemented;
- Operation and maintenance activities are being conducted properly; and, based on the above items,
- The site remedy continues to be protective of public health and the environment and is performing as designed in the *Remediation Work Plan*.

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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

January 12, 2018

James Mazurowski  
CooperVision  
711 North Road  
Rochester, NY 14546

Dear Mr. Mazurowski:

**Subject: 711 North Road (CooperVision), Site #V00175  
Building Addition Construction Plans, November 3, 2017  
Village of Scottsville, Monroe County**

The New York State Departments of Environmental Conservation and Health (the Departments) have reviewed the Building Addition Construction Plans dated November 3, 2017 for the 711 North Road (CooperVision) site (the site) and the December 26, 2017 email correspondence from Mark Ramsdell of Haley & Aldrich of New York. These documents were provided in support of CooperVision's Notice of Change of Use submitted on September 11, 2017 for demolition of an existing storage structure and subsequent construction of an approximately 2,800-sf building addition.

The Departments' offer the following comments based on the information provided in the above-referenced documents.

1. CooperVision proposes to permanently close and abandon well MW-205. The stated justifications for closure are:
  - reinstalling MW-205 at its present location may cause a direct route for soil vapor intrusion;
  - future monitoring activities will require access inside the occupied employee workspace which will increase the risk for employee exposure to the contaminants during the sampling process;
  - other monitoring wells downgradient that will remain or be replaced during construction will provide equivalent data if MW-205 is closed; and
  - per the Site Management Plan (SMP), an increasing trend would never be expected in the source area thus, no valuable data are being collected at this time.

As summarized below, the Departments do not agree that the reasons stated above provide sufficient justification to permanently abandon MW-205 and the request to permanently close and abandon well MW-205 is not approved at this time.



Department of  
Environmental  
Conservation

- Groundwater monitoring wells are routinely installed in building interiors with no measurable increase in soil vapor intrusion impacts.
  - Groundwater monitoring wells are routinely sampled in building interiors. Concerns associated with potential exposures during the sampling process are addressed by implementing a Community Air Monitoring Plan and, if necessary, conducting the work when employee use of the area is limited.
  - The groundwater concentrations for 1,1,1-trichloroethane (1,1,1-TCA) and 1,1-dichloroethane at MW-205 are orders of magnitude higher than the other wells at the site. MW-205 is also the only well where metabolic acids from the original injection are still detected. As such, MW-205 does provide valuable data and the other wells will not provide equivalent data if MW-205 is closed.
  - The SMP was designed so that site management decisions could be made based on actual data and not pre-conceived expectations. From 2009 to 2013, 1,1,1-TCA concentrations at MW-205 were numerically increasing. While concentrations have since returned to 2009 levels, this period indicates the potential for increasing concentrations in the source area.
  - In addition to the statistical evaluation of concentration trends, monitoring well data are also visually evaluated to determine if groundwater concentrations become asymptotic. Groundwater monitoring data from well MW-205 provides valuable information for both the statistical evaluation and the evaluation of asymptotic conditions.
2. CooperVision proposes an infiltration gallery underneath the planned new building addition to enable the introduction of additional biostimulation fluids in this area. The infiltration gallery piping is proposed to be constructed of perforated pipe placed within horizontal trenches installed at a depth of 5 feet below ground surface. Mr. Ramsdell's email of December 26, 2017 indicates that the injection gallery is designed to treat site contaminants at the soil/groundwater interface.

The Departments' primary concern with the proposed design is summarized below.

- In 2001, biostimulation fluids were injected in this area from 5 feet to 38 feet below ground surface. Groundwater contaminants remain at highly elevated levels at depth based on the sample results from MW-205 which is screened from 21 to 28 feet below ground surface. By focusing treatment on the soil/groundwater interface (about 5 feet below ground surface), the proposed injection gallery does not appear to be designed to effectively or efficiently treat the remaining contamination throughout the entire thickness of the impacted zone.
3. CooperVision proposes to expand the sub-slab depressurization system to mitigate the potential for soil vapor intrusion within the entire addition space. A detailed engineering design of the sub-slab depressurization system will be included in the comprehensive work plan discussed in Comment 4 below. Please follow EPA's design document entitled "Radon Prevention in the Design and Construction of Schools and Other Large Buildings" which states that a minimum

sub-slab pressure of -0.002 inches of water column is required for an effective sub-slab depressurization system. In addition, the system must be able to sufficiently depressurize the sub-slab at all times of the year including when the HVAC system is operating. Please ensure that the work plan includes confirmation sampling to document that the entire slab in the newly built addition is sufficiently depressurized. The results of the sampling will be provided to the Departments for review both upon collection and in Periodic Review Reports. If necessary, additional activities will be completed to the extent practicable if the performance objectives are not achieved with the two proposed locations, T-5 and T-6.

4. A comprehensive engineering design work plan, containing the details and specifications needed to implement all of the changes to the remedy associated with the Change of Use, will be submitted to the Departments for review and approval. The work plan will be submitted once the issues above have been conceptually resolved to the satisfaction of all parties, will be completed in substantial conformance with the Remedial Action Work Plan guidance in DER-10, and will be stamped and properly certified by a Professional Engineer licensed to practice in New York State. The work plan will also include a schedule for updating the SMP and specify that the Periodic Review Reports will document work plan activities and include a certification that all activities were conducted in accordance with the work plan approved by the Departments.

Please contact me at 585-226-5357 if you have questions or concerns on this matter.

Sincerely,



Frank Sowers, P.E.  
Professional Engineer 1

ec:

Bernette Schilling  
Dusty Tinsley  
Mark Ramsdell  
Vince Dick  
Chris Marraro  
Santa McKenna  
Julia Kenney  
Mike Cruden  
Justin Deming  
Wade Silkworth  
Bob Ooyama  
Tricia Wittreich



# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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

March 30, 2018

James Mazurowski  
CooperVision  
711 North Road  
Rochester, NY 14546

Dear Mr. Mazurowski:

**Subject: 711 North Road (CooperVision), Site #V00175  
New Employee Entrance Work Plan, February 28, 2018  
Village of Scottsville, Monroe County**

The New York State Departments of Environmental Conservation and Health (the Departments) have reviewed the New Employee Entrance Work Plan dated February 28, 2018 (the Work Plan) for the 711 North Road (CooperVision) site (the site). The documents were provided in support of CooperVision's Notice of Change of Use submitted on September 11, 2017 for demolition of an existing storage structure and subsequent construction of an approximately 2,800-sf building addition.

The Departments have determined that the Work Plan, with modifications, substantially addresses the requirements of the Voluntary Cleanup Agreement. The modifications are outlined as follows:

1. **Section 2.3.2:** The Community Air Monitoring Plan data will be sent to the Departments on a weekly basis.
2. **Section 3.1:** Well MW-401 will be decommissioned by pulling the riser while tremie grouting from the bottom.
3. **Section 3.2:** The Departments remain concerned that gravity feed to the infiltration gallery may not effectively deliver bioremediation amendments throughout the impacted zone, especially in the deeper intervals. While the certifying design engineer has indicated that gravity distribution may be an advantage as this is similar to the way the contamination was introduced, there are significant differences in the properties of the primary site contaminant (1,1,1-trichloroethane; TCA) and typical bioremediation amendments and these differences may result in different subsurface distribution patterns. Differences in properties include, but are not limited to:
  - **Specific gravity:** TCA has a specific gravity of 1.34 while bioremediation amendments typically have specific gravities close to 1. This means that TCA is denser than both water and typical bioremediation amendments which allows TCA to more effectively migrate to deeper intervals.
  - **Solubility:** TCA is less soluble in water than typical bioremediation amendments. This also enhances the vertical migration of TCA in groundwater.



Department of  
Environmental  
Conservation

- **Persistence:** Bioremediation amendments are less persistent than TCA in the environment. This means that the amendment may be depleted before it is effectively distributed.

It is the responsibility of the certifying design engineer to design an injection system, select an appropriate bioremediation amendment, and implement post-injection quality assurance/quality control protocols to verify that the bioremediation amendment is effectively distributed in all depth intervals throughout the impacted area and that the remediation objectives are achieved. Corrective measures will be evaluated and implemented, as needed, if these objectives are not achieved.

4. **Section 3.3:** Start-up of the sub-slab depressurization system will not begin until the Departments approve a supplemental Work Plan (certified, signed, and stamped by a Professional Engineer licensed by New York state) that includes an engineering evaluation of the air emissions associated the sub-slab depressurization system along with plans for emission controls, if needed.
5. **Section 3.3:** The pressure field extension (PFE) confirmation results will be submitted to the Departments upon collection and will also be included in the Periodic Review Report. Depending on the results of the PFE testing, any modifications/changes will be discussed with the Departments prior to implementation. The new building addition will not be placed into service until the Departments are provided with acceptable documentation that the sub-slab depressurization system design criteria have been achieved.

With the understanding that the above noted modifications are agreed to, the Work Plan is hereby approved.

Please contact me at 585-226-5357 if you have questions or concerns on this matter.

Sincerely,



Frank Sowers, P.E.  
Professional Engineer 1

cc:

Bernette Schilling  
Dusty Tinsley  
Mark Ramsdell  
Vince Dick  
Chris Marraro  
Santa McKenna  
Julia Kenney  
Mike Cruden  
Justin Deming  
Wade Silkworth  
Bob Ooyama  
Tricia Wittreich

**From:** Sowers, Frank (DEC)  
**To:** [Ramsdell, Mark](#)  
**Cc:** [McKenna, Santa](#); [Dick, Vince](#); ["jmazurowski@coopervision.com"](#); ["Bob Ooyama \(BOoyama@coopervision.com\)"](#); ["cmarraro@bakerlaw.com"](#); [Schilling, Bernette \(DEC\)](#); [Kenney, Julia M \(HEALTH\)](#); ["Tricia Goodenough"](#); [Tinsley, Dusty R \(DEC\)](#); [Deming, Justin H \(HEALTH\)](#)  
**Subject:** RE: CooperVision Facility – VCA Site#V00175 New Employee Entrance Work Plan Approval with Modifications  
**Date:** Wednesday, April 11, 2018 8:53:33 AM  
**Attachments:** [CooperVision\\_WP Mod Sketch.pdf](#)

---

The attached design modification to the New Employee Entrance Work Plan dated February 28, 2018 is approved. The modification was prepared by Haley & Aldrich of New York. Please contact me if you have any questions.

**Frank Sowers, P.E.**

Professional Engineer 1, Division of Environmental Remediation

**New York State Department of Environmental Conservation**

6274 East Avon-Lima Rd, Avon, NY 14414

P: (585) 226-5357 | F: (585) 226-8139 | [frank.sowers@dec.ny.gov](mailto:frank.sowers@dec.ny.gov)

[www.dec.ny.gov](http://www.dec.ny.gov) |  | 

**From:** Ramsdell, Mark [<mailto:MRamsdell@haleyaldrich.com>]  
**Sent:** Wednesday, April 04, 2018 11:09 AM  
**To:** Sowers, Frank (DEC) <[frank.sowers@dec.ny.gov](mailto:frank.sowers@dec.ny.gov)>  
**Cc:** McKenna, Santa <[SMcKenna@haleyaldrich.com](mailto:SMcKenna@haleyaldrich.com)>; Dick, Vince <[VDick@haleyaldrich.com](mailto:VDick@haleyaldrich.com)>; 'jmazurowski@coopervision.com' <[jmazurowski@coopervision.com](mailto:jmazurowski@coopervision.com)>; 'Bob Ooyama (BOoyama@coopervision.com)' <[BOoyama@coopervision.com](mailto:BOoyama@coopervision.com)>; 'cmarraro@bakerlaw.com' <[cmarraro@bakerlaw.com](mailto:cmarraro@bakerlaw.com)>; Schilling, Bernette (DEC) <[bernette.schilling@dec.ny.gov](mailto:bernette.schilling@dec.ny.gov)>; Kenney, Julia M (HEALTH) <[julia.kenney@health.ny.gov](mailto:julia.kenney@health.ny.gov)>; 'Tricia Goodenough' <[tgoodenough@coopervision.com](mailto:tgoodenough@coopervision.com)>; Tinsley, Dusty R (DEC) <[Dusty.Tinsley@dec.ny.gov](mailto:Dusty.Tinsley@dec.ny.gov)>; Deming, Justin H (HEALTH) <[justin.deming@health.ny.gov](mailto:justin.deming@health.ny.gov)>  
**Subject:** RE: CooperVision Facility – VCA Site#V00175 New Employee Entrance Work Plan Approval with Modifications

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Screen interval 23-25 ft.b.g. and they will be installed in the gravel filled vertical boreholes.

**From:** Sowers, Frank (DEC) <[frank.sowers@dec.ny.gov](mailto:frank.sowers@dec.ny.gov)>  
**Sent:** Wednesday, April 04, 2018 11:07 AM  
**To:** Ramsdell, Mark <[MRamsdell@haleyaldrich.com](mailto:MRamsdell@haleyaldrich.com)>  
**Cc:** McKenna, Santa <[SMcKenna@haleyaldrich.com](mailto:SMcKenna@haleyaldrich.com)>; Dick, Vince <[VDick@haleyaldrich.com](mailto:VDick@haleyaldrich.com)>; 'jmazurowski@coopervision.com' <[jmazurowski@coopervision.com](mailto:jmazurowski@coopervision.com)>; 'Bob Ooyama (BOoyama@coopervision.com)' <[BOoyama@coopervision.com](mailto:BOoyama@coopervision.com)>; 'cmarraro@bakerlaw.com' <[cmarraro@bakerlaw.com](mailto:cmarraro@bakerlaw.com)>; Schilling, Bernette (DEC) <[bernette.schilling@dec.ny.gov](mailto:bernette.schilling@dec.ny.gov)>; Kenney,

Julia M (HEALTH) <[julia.kenney@health.ny.gov](mailto:julia.kenney@health.ny.gov)>; 'Tricia Goodenough' <[tgoodenough@coopervision.com](mailto:tgoodenough@coopervision.com)>; Tinsley, Dusty R (DEC) <[Dusty.Tinsley@dec.ny.gov](mailto:Dusty.Tinsley@dec.ny.gov)>; Deming, Justin H (HEALTH) <[justin.deming@health.ny.gov](mailto:justin.deming@health.ny.gov)>  
**Subject:** RE: CooperVision Facility – VCA Site#V00175 New Employee Entrance Work Plan Approval with Modifications

Mark,

What will be the depth of the screened interval. Also, are these microwells in addition to the gravel filled vertical boreholes?

Thanks  
Frank

**From:** Ramsdell, Mark [<mailto:MRamsdell@halevaldrich.com>]  
**Sent:** Wednesday, April 04, 2018 10:58 AM  
**To:** Sowers, Frank (DEC) <[frank.sowers@dec.ny.gov](mailto:frank.sowers@dec.ny.gov)>  
**Cc:** McKenna, Santa <[SMcKenna@halevaldrich.com](mailto:SMcKenna@halevaldrich.com)>; Dick, Vince <[VDick@halevaldrich.com](mailto:VDick@halevaldrich.com)>; 'jmazurowski@coopervision.com' <[jmazurowski@coopervision.com](mailto:jmazurowski@coopervision.com)>; 'Bob Ooyama' ([BOoyama@coopervision.com](mailto:BOoyama@coopervision.com)) <[BOoyama@coopervision.com](mailto:BOoyama@coopervision.com)>; 'cmarraro@bakerlaw.com' <[cmarraro@bakerlaw.com](mailto:cmarraro@bakerlaw.com)>; Schilling, Bernette (DEC) <[bernette.schilling@dec.ny.gov](mailto:bernette.schilling@dec.ny.gov)>; Kenney, Julia M (HEALTH) <[julia.kenney@health.ny.gov](mailto:julia.kenney@health.ny.gov)>; 'Tricia Goodenough' <[tgoodenough@coopervision.com](mailto:tgoodenough@coopervision.com)>; Cruden, Michael (DEC) <[michael.cruden@dec.ny.gov](mailto:michael.cruden@dec.ny.gov)>; Tinsley, Dusty R (DEC) <[Dusty.Tinsley@dec.ny.gov](mailto:Dusty.Tinsley@dec.ny.gov)>; Deming, Justin H (HEALTH) <[justin.deming@health.ny.gov](mailto:justin.deming@health.ny.gov)>  
**Subject:** RE: CooperVision Facility – VCA Site#V00175 New Employee Entrance Work Plan Approval with Modifications

**ATTENTION:** This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Frank – thank you for the approval and comments. As per our discussion yesterday, to address your comment regarding Section 3.2 from the work plan and the delivery of future amendment at depth, we are modifying the plan to include 1-inch microwell with 2 feet of screen and riser in each of the boreholes with a piping manifold to delivery the amendment under pressure if needed. The piping manifold will extend from each borehole to a road box outside of the building addition footprint. We will document this modification in the as-built record drawings after construction.

In regards to the sub-slab depressurization system startup and PFE confirmation we will provide the data as soon as collected in regards to air emissions and vacuum coverage. We will collect air emission rates using a PID and calculate a conservative estimate from those readings. We will need to do this after the installation and will provide the data to you for discussion/approval and confirm no treatment is required.

Any questions or comments, let us know.

Thanks,  
Mark

**Mark N. Ramsdell, P.E.**

Senior Construction Project Manager  
Professional Engineer (NY)

**Haley & Aldrich of New York**

200 Town Centre Drive | Suite 2  
Rochester, NY 14623-4264

T: 585.321.4262

C: 585.370.6597

[www.haleyaldrich.com](http://www.haleyaldrich.com)

**From:** Sowers, Frank (DEC) <[frank.sowers@dec.ny.gov](mailto:frank.sowers@dec.ny.gov)>

**Sent:** Friday, March 30, 2018 12:06 PM

**To:** Ramsdell, Mark <[MRamsdell@haleyaldrich.com](mailto:MRamsdell@haleyaldrich.com)>

**Cc:** McKenna, Santa <[SMcKenna@haleyaldrich.com](mailto:SMcKenna@haleyaldrich.com)>; Dick, Vince <[VDick@haleyaldrich.com](mailto:VDick@haleyaldrich.com)>; 'jmazurowski@coopervision.com' <[jmazurowski@coopervision.com](mailto:jmazurowski@coopervision.com)>; 'Bob Ooyama' <[BOoyama@coopervision.com](mailto:BOoyama@coopervision.com)>; 'cmarraro@bakerlaw.com' <[cmarraro@bakerlaw.com](mailto:cmarraro@bakerlaw.com)>; Schilling, Bernette (DEC) <[bernette.schilling@dec.ny.gov](mailto:bernette.schilling@dec.ny.gov)>; Kenney, Julia M (HEALTH) <[julia.kenney@health.ny.gov](mailto:julia.kenney@health.ny.gov)>; 'Tricia Goodenough' <[tgoodenough@coopervision.com](mailto:tgoodenough@coopervision.com)>; Cruden, Michael (DEC) <[michael.cruden@dec.ny.gov](mailto:michael.cruden@dec.ny.gov)>; Tinsley, Dusty R (DEC) <[Dusty.Tinsley@dec.ny.gov](mailto:Dusty.Tinsley@dec.ny.gov)>; Deming, Justin H (HEALTH) <[justin.deming@health.ny.gov](mailto:justin.deming@health.ny.gov)>

**Subject:** CooperVision Facility – VCA Site#V00175 New Employee Entrance Work Plan Approval with Modifications

This e-mail copies you on correspondence from the New York State Department of Environmental Conservation, Division of Environmental Remediation. Electronic attachments may be attached. A hard copy version will not follow in the mail. Please contact Frank Sowers at (585) 226-5357 if you experience problems with this transmission.

**Frank Sowers, P.E.**

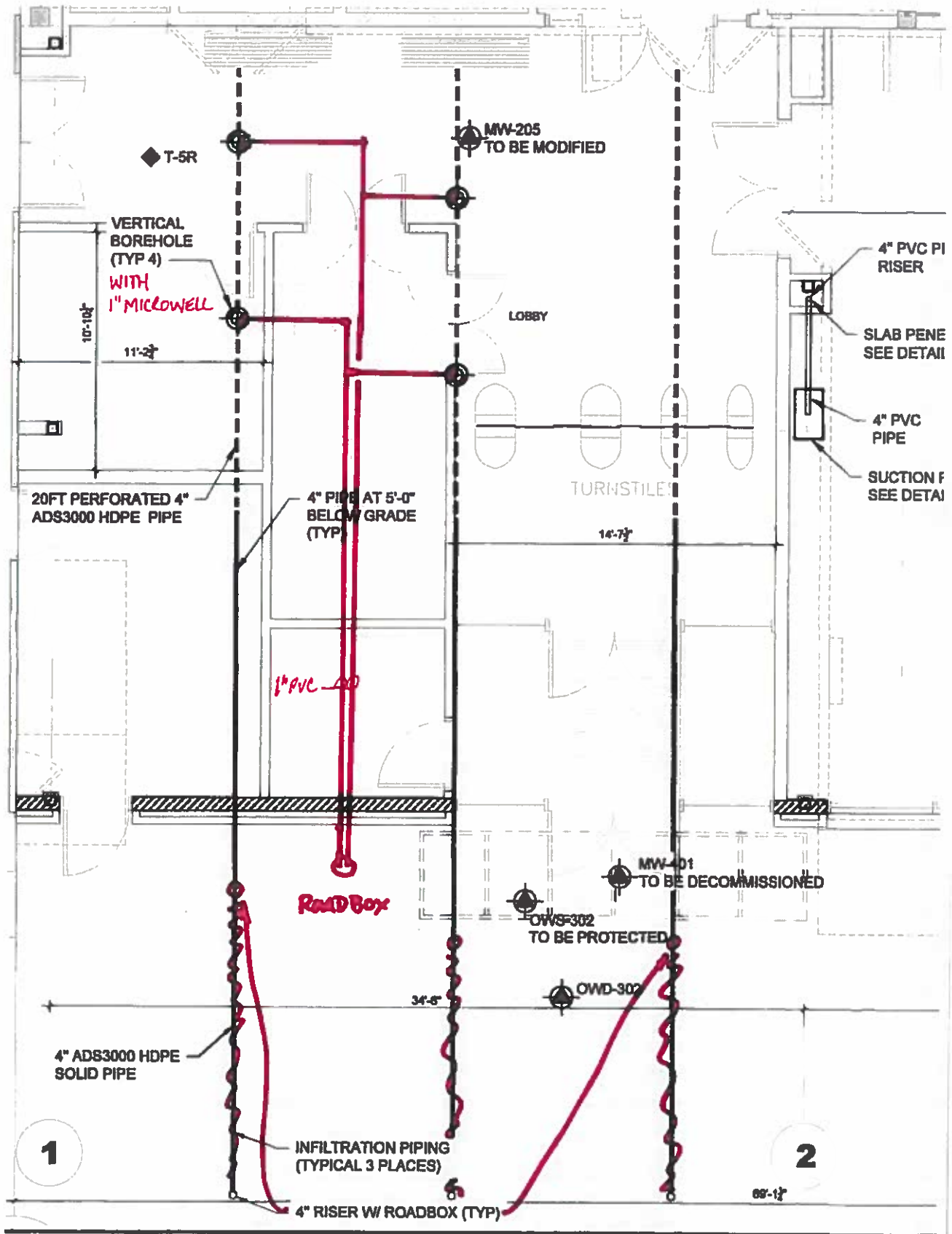
Professional Engineer 1, Division of Environmental Remediation

**New York State Department of Environmental Conservation**

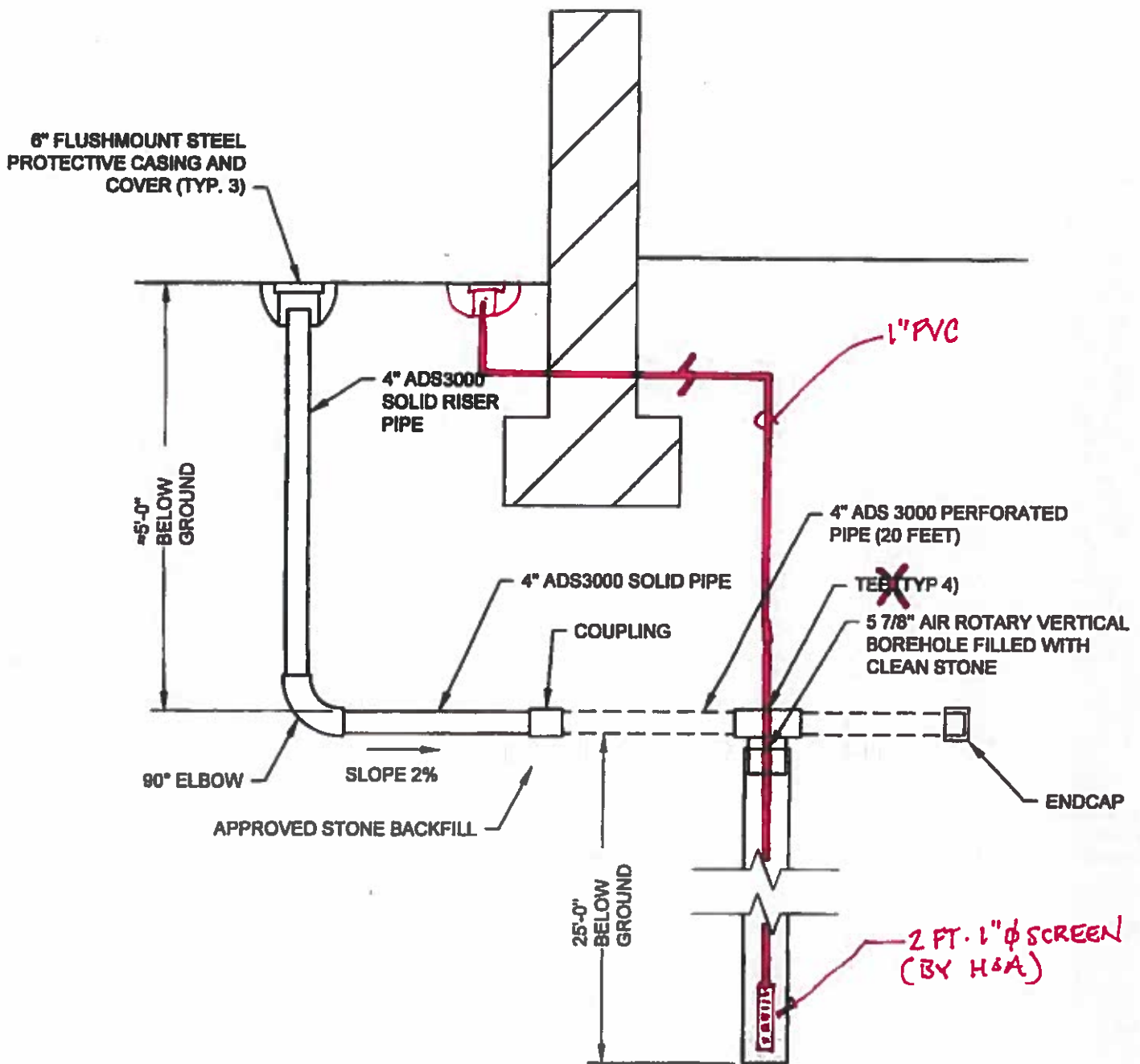
6274 East Avon-Lima Rd, Avon, NY 14414

P: (585) 226-5357 | F: (585) 226-8139 | [frank.sowers@dec.ny.gov](mailto:frank.sowers@dec.ny.gov)

[www.dec.ny.gov](http://www.dec.ny.gov) |  | 







3

## INFILTRATION GALLERY

SCALE: NTS



## **APPENDIX F**

### **Import Material Documentation**



**Hanson Aggregates  
North America**

6895 Ellicott Street  
Pavilion, NY 14525  
Tel 585 584 3132  
Fax 585 584 8743  
www.hanson.biz

**Date:** September 18, 2017

**Company:** L.G. Evans Construction, Inc.  
1823 Lakeville Road  
Avon, New York 14414  
**Attn:** Jeff

**Project:** Cooper Vision

**Hanson Stone Facility:** Honeoye Falls Lima Plant  
2049 Honeoye Falls # 6 Rd./PO Box 151  
Honeoye Falls, NY 14472

**NYSDOT Source #:** 4-10R / 4-10RS  
**NYSDOT Test #:** 14AR15 / 15AR84S

This is to certify that the material to be used on the above referenced project will be produced in accordance with the most current New York State Department of Transportation specifications. Specific values are listed below.

| TYPICAL GRADATIONS (All values are % Passing) |       |                |       |                |       |           |       |               |       |          |        |          |        |
|-----------------------------------------------|-------|----------------|-------|----------------|-------|-----------|-------|---------------|-------|----------|--------|----------|--------|
| SIEVE SIZE                                    |       | Crusher Run #2 |       | Crusher Run #1 |       | #3A Stone |       | #1 & #2 Blend |       | #1 Stone |        | #2 Stone |        |
| in.                                           | mm    | % Pass         | Spec. | % Pass         | Spec. | % Pass    | Spec. | % Pass        | Spec. | % Pass   | Spec.  | % Pass   | Spec.  |
| 3"                                            | 75    |                |       |                |       |           |       |               |       |          |        |          |        |
| 2"                                            | 50.0  | 100.0          | 100   |                |       |           |       |               |       |          |        |          |        |
| 1 ½"                                          | 37.5  | 99.7           |       |                |       |           |       | 100.0         |       |          |        | 100.0    | 100    |
| 1"                                            | 25.0  | 90.1           |       |                |       |           |       | 95.9          |       | 100.0    | 100    | 91.8     | 90-100 |
| ¾"                                            | 19.0  | 76.9           |       |                |       |           |       | 75.8          |       | 100.0    |        | 51.5     |        |
| ½"                                            | 12.5  | 58.2           |       |                |       |           |       | 50.2          |       | 94.3     | 90-100 | 7.7      | 0-15   |
| ¼"                                            | 6.3   | 36.3           | 25-60 |                |       |           |       | 3.2           |       | 8.4      | 0-15   |          |        |
| ⅛"                                            | 3.2   | 23.7           |       |                |       |           |       |               |       |          |        |          |        |
| #40                                           | 0.425 | 7.8            | 5-40  |                |       |           |       |               |       |          |        |          |        |
| #200                                          | 0.075 | 4.4            | 0-10  |                |       |           |       |               |       |          |        |          |        |
| ITEM NUMBERS                                  |       | 304.12         |       |                |       |           |       | 703.0201      |       | 703.0201 |        | 703.0201 |        |

I trust that this information meets with your approval. If we can be of any further assistance, please give us a call.

Very Truly Yours,  
Hanson Aggregates

Keith T. Nugent  
QC HMA Supervisor

cc: file  
encl.

Hanson Aggregates East  
P.O.Box 7  
Skaneateles, NY 13152  
315-685-3321  
315-685-6991 Fax

## AGGREGATE GRADATION REPORT

**NYSDOT SOURCE 3-9R1 Limestone Skaneateles Quarry**

### Specific Gravities

| Bulk (SSD) | Bulk  | Apparent | ABS | HFA | BAL |
|------------|-------|----------|-----|-----|-----|
| 2.72       | 2.692 | 2.759    | 0.9 | NO  |     |

| MATERIAL          |
|-------------------|
| 1A Stone          |
| Average Gradation |

| Sieve Size | % Passing |
|------------|-----------|
| 3/8"       | 100       |
| 1/4"       | 92.2      |
| #4         | 46.7      |
| 1/8"       | 6.2       |
| #8         | 1.7       |

5/3/18

**THE DOLOMITE GROUP**

DOLOMITE PRODUCTS COMPANY, INC  
 MANITOU CONSTRUCTION COMPANY, INC  
 ROCHESTER ASPHALT MATERIALS  
 IROQUOIS ROCK PRODUCTS  
 NORTHRUP MATERIALS

**MATERIAL SUBMITTAL**

1150 Penfield Road  
 Rochester, N.Y. 14625  
 Phone: (585) 381-7010  
 Fax : (585) 381-0208

**DATE:** 9-19-17  
**PAGE:** 1 of 1

**TO:** Jeff Swan  
**OF:** LG Evans Inc.

**PROJECT:** Cooper Vision

**CRUSHED STONE:**

Brockport Plant

**NYSDOT Source #:** 4-5R  
**Current NYSDOT Test #:** 13 AR 58

This is to certify that the Crushed Stone to be used on the above referenced project will be produced in accordance with the most current New York State Department of Transportation's, "Standard Specifications" and Addenda. All stone properties conform to sections 703.0201, 203, 304, 605 and 620 of the Specification. Specific values are listed below.

| PROPERTY                               | VALUE | SPEC.   |
|----------------------------------------|-------|---------|
| Mag. Sulfate Loss                      | 16    | 18 max. |
| LA Abrasion Loss                       | 19    | 35 max. |
| Flat and Elongated Pieces - 3:1<br>5:1 | 10    | 30 max. |
|                                        | 0     | 10 max. |
| Crushed Particles                      | 100   | n.a.    |
| Deleterious Materials                  | 0     | 2 max.  |

| TYPICAL GRADATIONS (All Values are % Passing) |                      |                |          |          |                   |                  |
|-----------------------------------------------|----------------------|----------------|----------|----------|-------------------|------------------|
| SIEVE SIZE                                    | CRUSHER RUN #2       | CRUSHER RUN #1 | #1 STONE | #2 STONE | #1 and #2 MIXTURE | CRUSHER RUN 5/8" |
| 4" (100 mm)                                   |                      |                |          |          |                   |                  |
| 2" (50)                                       | 100                  |                |          |          |                   |                  |
| 1 1/2" (37.5)                                 | 98                   |                |          | 100      | 100               |                  |
| 1" (25)                                       | 82                   | 100            | 100      | 94       | 97                |                  |
| 1/2" (12.5)                                   | 54                   |                | 93       | 11       | 52                | 100              |
| 1/4" (6.3)                                    | 36                   | 57             | 12       | 1        | 7                 | 70               |
| #40 (0.425)                                   | 11                   | 18             |          |          |                   | 25               |
| #200 (0.075)                                  | 6                    | 7              | 0.6      | 0.2      | 0.4               | 11               |
| Typical Item Numbers                          | 203.____<br>304.____ |                | 605.0901 |          | CA 2<br>ASTM 57   |                  |

| LIGHT STONE FILL      |       |          |
|-----------------------|-------|----------|
| SIZE                  | VALUE | SPEC     |
| Lighter Than 100 Lbs. | 100   | 90 - 100 |
| Larger Than 6"        | 55    | 50 - 100 |
| Smaller Than 1/2"     | 8     | 0 - 10   |

**Notes:**

- 1) Proctor Density typically runs 138 +/- 2 pcf at 6-8% Moisture.(For Crusher Run products only)
- 2) Medium and Heavy Stone Fill Items are selected at time of purchase to satisfy project requirements.

Signed By: Christopher McClurg

Christopher McClurg - Sales Representative



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220,

9/14/2017 12:06

In : 11:59:09

Customer: 8523746 L G EVANS CONSTRUCTION INC

Order :

CPU / COOPER VISION 2017

P.O. :

Tkt. No. 1504110434

Product 074314

1 &amp; 2

S.O. Info:

Ship Ref:



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds    | Kilo   |
|-------|-----------|--------|
| Gross | 69,040    | 31,316 |
| Tare  | 31,060    | 14,089 |
| Net   | 37,980    | 17,227 |
|       | 18.99 Ton | 17.23  |

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 18.99 | Loads: |
| Tons To Date:   | 0.00  | 1      |
| Today Tonnes    | 17.23 |        |
| Tonnes To Date: | 0.00  |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFJD10

JOHN OKEEFE

License:

MaxGVW: 70,000

Received: \_\_\_\_\_

Cust: \_\_\_\_\_

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Customer Do Not Accept [3] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220,

9/14/2017 13:04

In :

Customer: 8523746 L G EVANS CONSTRUCTION INC

Order :

CPU / COOPER VISION 2017

P.O. :

Tkt. No. 1504110468

Product 074314

1 &amp; 2

S.O. Info:

Ship Ref:



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 69,160   | 31,370 |
| Tare  | 31,060 * | 14,089 |
| Net   | 38,100   | 17,282 |

19.05 Ton 17.28

\* Predetermined Tare

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 38.04 | Loads: |
| Tons To Date:   | 0.00  | 2      |
| Today Tonnes    | 34.51 |        |
| Tonnes To Date: | 0.00  |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFJD10

JOHN OKEEFE

License:

MaxGVW: 70,000

Received: \_\_\_\_\_

Cust: \_\_\_\_\_

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Customer Do Not Accept [2] Scale: 1



MAIN OFFICE 1150 PENFIELD RD.  
ROCHESTER, NY 14625 585-381-7010

|            |              |          |              |           |              |
|------------|--------------|----------|--------------|-----------|--------------|
| GATES      | 585-235-9292 | WALWORTH | 315-524-2771 | BROCKPORT | 585-637-6834 |
| MANCHESTER | 315-462-2752 | PALMYRA  | 315-331-2360 | HOWARD    | 607-566-3422 |
| MENDON     | 585-624-2430 | LEROY    | 585-768-7295 | BATH      | 607-776-4460 |
| PENFIELD   | 585-586-2567 | OGDEN    | 585-352-0460 |           |              |

Ticket No.:  
COPY 3

182810

9/14/2017 10:59:55AM **Stone -IRP Brockport/Colby St.**  
Customer : 920064 LG EVANS CONSTRUCTION, INC.  
Order : 0  
P.O. :

Product : 00083 #1-2 BLEND 19.28 TON

Deliver To cooper vision Tax Status TX 2605 Haul Code IX Zone Units  
Vehicle Loads Daily Total  
Vehicle : 10JD okeefe/87 freg 4 76.26

Received *DAIGN*

|       | Pounds | Tons  |
|-------|--------|-------|
| Gross | 68,920 | 34.46 |
| Tare  | 30,360 | 15.18 |
| Net   | 38,560 | 19.28 |

|              |                |
|--------------|----------------|
| Ordered      | 0.00           |
| Received     | 0.00           |
| Remaining    | 0.00           |
| Total:       | 0.00           |
| Grand Total: | 0.00           |
| Today:       | 19.28 Loads: 1 |
| Todate:      | 552.20         |

Weighmaster: Brittany603759



IT IS THE RESPONSIBILITY OF EACH CUSTOMER, AND EACH DRIVER, HAULING PRODUCT FROM OUR FACILITY TO COMPLY WITH HIGHWAY LOAD LIMIT LAWS. TAX EXEMPTIONS, TAX JURISDICTIONS, AND SPECIAL TAX HANDLING NOT INCORPORATED INTO A SPECIFIC QUOTE OR REPORTED AT TIME OF TICKETING WILL BE THE CUSTOMER'S RESPONSIBILITY TO RESOLVE WITH THE TAXING JURISDICTIONS. PRICING ISSUES MUST BE REPORTED WITHIN 15 DAYS OF INVOICE DATE. CORRECTED INVOICES REMAIN DUE ON ORIGINAL DUE DATE. INCORPORATION OF THIS MATERIAL INTO A PROJECT SHALL BE CONSIDERED ACCEPTANCE BY THE CUSTOMER

THURSDAY 11/30

---





Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-634-1220

11/30/2017 09:53

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU COOPER VISION-2017

P O :

Tkt. No. 1504121381

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref CPU/COOPER VISION-2017



|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 66,640   | 30,227 |
| Tare  | 26,020 * | 11,802 |
| Net   | 40,620   | 18,425 |

20.31 Ton 18.42

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 79.21  | Loads: |
| Tons To Date:   | 259.77 | 4      |
| Today Tonnes    | 71.86  |        |
| Tonnes To Date: | 235.66 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received: \_\_\_\_\_

Cust: \_\_\_\_\_

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Customer Copy

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/30/2017 10:55

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P O :

Tkt. No.

1504121420

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 67,060   | 30,418 |
| Tare  | 26,020 * | 11,802 |
| Net   | 41,040   | 18,615 |

20.52 Ton 18.62

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 99.73  | Loads: |
| Tons To Date:   | 280.29 | 5      |
| Today Tonnes    | 90.47  |        |
| Tonnes To Date: | 254.27 |        |

Carrier :

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68.000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Cust: \_\_\_\_\_

Customer Do Not Accept [1] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/30/2017 08:53

In: 8:33:19

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU-COOPER VISION-2017

P.O.:

Tkt. No. 1504121345

Product 074340

No 2 Crusher Run

S O Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds    | Kilo   |
|-------|-----------|--------|
| Gross | 67,900    | 30,799 |
| Tare  | 26,020    | 11,802 |
| Net   | 41,880    | 18,996 |
|       | 20.94 Ton | 19.00  |

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 58.90  | Loads: |
| Tons To Date:   | 239.46 | 3      |
| Today Tonnes    | 53.43  |        |
| Tonnes To Date: | 217.23 |        |

Carrier:

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

*By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same*  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Cust:

Customer Do Not Accept [1] Scale: 1

**Hanson**

Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/30/2017 10:55

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P O :

Tkt. No.

1504121420

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 67,060   | 30,418 |
| Tare  | 26,020 * | 11,802 |
| Net   | 41,040   | 18,615 |

20.52 Ton 18.62

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 99.73  | Loads: |
| Tons To Date:   | 280.29 | 5      |
| Today Tonnes    | 90.47  |        |
| Tonnes To Date: | 254.27 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

Carrier :

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust:

Customer Do Not Accept [3] Scale: 1

**Hanson**

Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/30/2017 08:53

In : 8:33:19

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017

Tkt. No. 1504121345



|       | <u>Pounds</u> | <u>Kilo</u> |
|-------|---------------|-------------|
| Gross | 67,900        | 30,799      |
| Tare  | 26,020        | 11,802      |
| Net   | 41,880        | 18,996      |
|       | 20.94 Ton     | 19.00       |

|                       | <u>UNIT</u> | <u>TOTALS</u> |
|-----------------------|-------------|---------------|
| Material:             |             |               |
| Freight:              |             |               |
| Tax:                  |             |               |
| Fee / Fuel:           |             |               |
| Other Chrg: <u>No</u> |             |               |

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 58.90  | Loads: |
| Tons To Date:   | 239.46 | 3      |
| Today Tonnes    | 53.43  |        |
| Tonnes To Date: | 217.23 |        |

*By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same*  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received: \_\_\_\_\_

Cust: \_\_\_\_\_

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

|                            |
|----------------------------|
| Customer Do Not Accept (3) |
|----------------------------|

 Scale: 1

**Hanson**

Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220.

11/30/2017 09:53

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No.

1504121381

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 66,640   | 30.227 |
| Tare  | 26,020 * | 11.802 |
| Net   | 40,620   | 18.425 |

20.31 Ton 18.42

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 79.21  | Loads: |
| Tons To Date:   | 259.77 | 4      |
| Today Tonnes    | 71.86  |        |
| Tonnes To Date: | 235.66 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68.000

Received: \_\_\_\_\_

Cust: \_\_\_\_\_

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Customer Do Not Accept [2] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

11/30/2017 07:25

In: 7:03:45

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

Tkt. No.

1504121291

P.O.:

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

|       | Pounds    | Kilo   |
|-------|-----------|--------|
| Gross | 62,940    | 28,549 |
| Tare  | 27,020    | 12,256 |
| Net   | 35,920    | 16,293 |
|       | 17.96 Ton | 16.29  |

Carrier:

Vehicle: HFSWAN15

SWAN EQUIPMENT &amp;

License: 96945ME

MaxGVW: 66,000

Received:

Weighmaster: Graham, Sara #603663

Cust:

P/D Status: Pickup

Customer Copy

Scale: 1

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**



Plant: 36412

Honeoye Falls Plant 364

11/30/2017 07:25

In: 7:03:45

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

Tkt. No.

1504121291

P.O.:

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

|       | Pounds    | Kilo   |
|-------|-----------|--------|
| Gross | 62,940    | 28,549 |
| Tare  | 27,020    | 12,256 |
| Net   | 35,920    | 16,293 |
|       | 17.96 Ton | 16.29  |

Carrier:

Vehicle: HFSWAN15

SWAN EQUIPMENT &amp;

License: 96945ME

MaxGVW: 66,000

Received:

Weighmaster: Graham, Sara #603663

Cust:

P/D Status: Pickup

Customer Do Not Accept [2]

Scale: 1

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**





Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/30/2017 07:22

In: 7:03:07

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Tkt. No. 1504121288

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



CR2

|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

|           | Pounds | Kilo   |
|-----------|--------|--------|
| Gross     | 66,280 | 30,064 |
| Tare      | 26,280 | 11,920 |
| Net       | 40,000 | 18,144 |
| 20.00 Ton |        | 18.14  |

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 20.00  | Loads: |
| Tons To Date:   | 200.56 | 1      |
| Today Tonnes    | 18.14  |        |
| Tonnes To Date: | 181.94 |        |

Carrier:

Vehicle: HFSWAN17 SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.

Cust:

Customer Do Not Accept [1] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/30/2017 07:22

In: 7:03:07

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Tkt. No. 1504121288

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



CR2

|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

|           | Pounds | Kilo   |
|-----------|--------|--------|
| Gross     | 66,280 | 30,064 |
| Tare      | 26,280 | 11,920 |
| Net       | 40,000 | 18,144 |
| 20.00 Ton |        | 18.14  |

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 20.00  | Loads: |
| Tons To Date:   | 200.56 | 1      |
| Today Tonnes    | 18.14  |        |
| Tonnes To Date: | 181.94 |        |

Carrier:

Vehicle: HFSWAN17 SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.

Cust:

Customer Do Not Accept [3] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/27/2017 07:39

In: 7.28.02

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Tkt. No.

1504120691

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds | Kilo   |
|-------|--------|--------|
| Gross | 66,640 | 30,227 |
| Tare  | 26,180 | 11,875 |
| Net   | 40,460 | 18,352 |

20.23 Ton 18.35

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 20.23 | Loads: |
| Tons To Date:   | 20.23 | 1      |
| Today Tonnes    | 18.35 |        |
| Tonnes To Date: | 18.35 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier:

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received:

Cust:

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Customer Copy

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/27/2017 07:39

In: 7.28.02

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Tkt. No.

1504120691

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds | Kilo   |
|-------|--------|--------|
| Gross | 66,640 | 30,227 |
| Tare  | 26,180 | 11,875 |
| Net   | 40,460 | 18,352 |

20.23 Ton 18.35

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 20.23 | Loads: |
| Tons To Date:   | 20.23 | 1      |
| Today Tonnes    | 18.35 |        |
| Tonnes To Date: | 18.35 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier:

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received:

Cust:

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Customer Do Not Accept [2]

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/27/2017 08:12

In: 8:03:58

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Tkt. No.

1504120701

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds    | Kilo   |
|-------|-----------|--------|
| Gross | 70,780    | 32,105 |
| Tare  | 29,220    | 13,254 |
| Net   | 41,560    | 18,851 |
|       | 20.78 Ton | 18.85  |

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 59.21 | Loads: |
| Tons To Date:   | 59.21 | 3      |
| Today Tonnes    | 53.71 |        |
| Tonnes To Date: | 53.71 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier:

Vehicle: HFEK04

KIMBALL, ERNIE

License: 81828AC

MaxGVW: 71,250

Received:

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Cust:

Customer Do Not Accept [1] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/27/2017 08:12

In: 8:03:58

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Tkt. No.

1504120701

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds    | Kilo   |
|-------|-----------|--------|
| Gross | 70,780    | 32,105 |
| Tare  | 29,220    | 13,254 |
| Net   | 41,560    | 18,851 |
|       | 20.78 Ton | 18.85  |

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 59.21 | Loads: |
| Tons To Date:   | 59.21 | 3      |
| Today Tonnes    | 53.71 |        |
| Tonnes To Date: | 53.71 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier:

Vehicle: HFEK04

KIMBALL, ERNIE

License: 81828AC

MaxGVW: 71,250

Received:

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Cust:

Customer Do Not Accept [3] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/27/2017 13:28

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No.

1504120822

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 50,880   | 23,079 |
| Tare  | 26,180 * | 11,875 |
| Net   | 24,700   | 11,204 |

12.35 Ton 11.20

\* Predetermined Tare

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 71.56 | Loads: |
| Tons To Date:   | 71.56 | 4      |
| Today Tonnes    | 64.92 |        |
| Tonnes To Date: | 64.92 |        |

Carrier :

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received:

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Cust:

Customer Do Not Accept [1] Scale: 1

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/27/2017 13:28

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No.

1504120822

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 50,880   | 23,079 |
| Tare  | 26,180 * | 11,875 |
| Net   | 24,700   | 11,204 |

12.35 Ton 11.20

\* Predetermined Tare

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 71.56 | Loads: |
| Tons To Date:   | 71.56 | 4      |
| Today Tonnes    | 64.92 |        |
| Tonnes To Date: | 64.92 |        |

Carrier :

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received:

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Cust:

Customer Do Not Accept [3] Scale: 1

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

12/13/2017 12:15

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O.:

Tkt. No. 1504122792

Product 074340

No 2 Crusher Run

S O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 66,760   | 30,282 |
| Tare  | 26,440 * | 11,993 |
| Net   | 40,320   | 18,289 |

20.16 Ton 18.29

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 101.32 | Loads: |
| Tons To Date:   | 460.82 | 5      |
| Today Tonnes    | 91.92  |        |
| Tonnes To Date: | 418.05 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received: \_\_\_\_\_

Cust: \_\_\_\_\_

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Customer Do Not Accept [3] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

12/13/2017 13:35

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No. 1504122801

Product 074340

No 2 Crusher Run

S O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 67,820   | 30,763 |
| Tare  | 26,440 * | 11,993 |
| Net   | 41,380   | 18,770 |

20.69 Ton 18.77

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 122.01 | Loads: |
| Tons To Date:   | 481.51 | 6      |
| Today Tonnes    | 110.69 |        |
| Tonnes To Date: | 436.82 |        |

Carrier :

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received: \_\_\_\_\_

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

*By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same*  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Cust: \_\_\_\_\_

Customer Do Not Accept [3] Scale: 1

**Hanson**

Plant: 36412

Honeyoe Falls Plant 364

2049 HF's #6 RD

Honeyoe Falls, NY 14472

585-624-1220

12/13/2017 11:00

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No. 1504122782

Product 074340

No 2 Crusher Run

S O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                       | UNIT | TOTALS |
|-----------------------|------|--------|
| Material:             |      |        |
| Freight:              |      |        |
| Tax:                  |      |        |
| Fee / Fuel:           |      |        |
| Other Chrg: <u>No</u> |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 68,000 m | 30,844 |
| Tare  | 26,440 * | 11,993 |
| Net   | 41,560 m | 18,851 |

20.78 Ton 18.85  
m Manual Weight, \* P.T.

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 81.16  | Loads: |
| Tons To Date:   | 440.66 | 4      |
| Today Tonnes    | 73.63  |        |
| Tonnes To Date: | 399.76 |        |

*By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same*  
**CURB DELIVERY ONLY, NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFSWAN23 SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received: \_\_\_\_\_

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust: \_\_\_\_\_

Customer Do Not Accept [3]

 Scale: 1

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Customer Do Not Accept [3]

 Scale: 1



**Hanson**

Plant: 36412

Honeye Falls Plant 364

2049 HF's #6 RD

Honeye Falls, NY 14472

585-624-1220,

12/13/2017 09:53

In :

Customer: 8523746 L G EVANS CONSTRUCTION INC

Order : 968677 CPU/COOPER VISION-2017

P.O. :

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017

Tkt. No. 1504122771



|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 67,700   | 30,708 |
| Tare  | 26,440 * | 11,993 |
| Net   | 41,260   | 18,715 |

20.63 Ton 18.72

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 60.38  | Loads: |
| Tons To Date:   | 419.88 | 3      |
| Today Tonnes    | 54.78  |        |
| Tonnes To Date: | 380.91 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY, NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

| UNIT           | TOTALS |
|----------------|--------|
| Material:      |        |
| Freight:       |        |
| Tax:           |        |
| Fee / Fuel:    |        |
| Other Chrg: No |        |

Carrier :

Vehicle: HFSWAN23 SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received: \_\_\_\_\_

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust: \_\_\_\_\_

Customer Do Not Accept [3] Scale: 1

**Hanson**

Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

12/13/2017 07:21

In: 7:05.41

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017

Tkt. No.

1504122759



|       | Pounds    | Kilo   |
|-------|-----------|--------|
| Gross | 66,520    | 30,173 |
| Tare  | 26,440    | 11,993 |
| Net   | 40,080    | 18,180 |
|       | 20.04 Ton | 18.18  |

|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 20.04  | Loads: |
| Tons To Date:   | 379.54 | 1      |
| Today Tonnes    | 18.18  |        |
| Tonnes To Date: | 344.31 |        |

*By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same*  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier:

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68.000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust:

Customer Do Not Accept [3]

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/27/2017 07:39

In: 7.28.02

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Tkt. No.

1504120691

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds | Kilo   |
|-------|--------|--------|
| Gross | 66,640 | 30,227 |
| Tare  | 26,180 | 11,875 |
| Net   | 40,460 | 18,352 |

20.23 Ton 18.35

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 20.23 | Loads: |
| Tons To Date:   | 20.23 | 1      |
| Today Tonnes    | 18.35 |        |
| Tonnes To Date: | 18.35 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.

Carrier:

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received:

Cust:

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Customer Copy

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/27/2017 07:39

In: 7.28.02

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Tkt. No.

1504120691

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds | Kilo   |
|-------|--------|--------|
| Gross | 66,640 | 30,227 |
| Tare  | 26,180 | 11,875 |
| Net   | 40,460 | 18,352 |

20.23 Ton 18.35

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 20.23 | Loads: |
| Tons To Date:   | 20.23 | 1      |
| Today Tonnes    | 18.35 |        |
| Tonnes To Date: | 18.35 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.

Carrier:

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received:

Cust:

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Customer Do Not Accept [2]

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/27/2017 08:12

In: 8:03:58

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Tkt. No.

1504120701

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds    | Kilo   |
|-------|-----------|--------|
| Gross | 70,780    | 32,105 |
| Tare  | 29,220    | 13,254 |
| Net   | 41,560    | 18,851 |
|       | 20.78 Ton | 18.85  |

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 59.21 | Loads: |
| Tons To Date:   | 59.21 | 3      |
| Today Tonnes    | 53.71 |        |
| Tonnes To Date: | 53.71 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier:

Vehicle: HFEK04

KIMBALL, ERNIE

License: 81828AC

MaxGVW: 71,250

Received:

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Cust:

Customer Do Not Accept [1] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/27/2017 08:12

In: 8:03:58

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Tkt. No.

1504120701

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds    | Kilo   |
|-------|-----------|--------|
| Gross | 70,780    | 32,105 |
| Tare  | 29,220    | 13,254 |
| Net   | 41,560    | 18,851 |
|       | 20.78 Ton | 18.85  |

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 59.21 | Loads: |
| Tons To Date:   | 59.21 | 3      |
| Today Tonnes    | 53.71 |        |
| Tonnes To Date: | 53.71 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier:

Vehicle: HFEK04

KIMBALL, ERNIE

License: 81828AC

MaxGVW: 71,250

Received:

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Cust:

Customer Do Not Accept [3] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/27/2017 13:28

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No.

1504120822

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 50,880   | 23,079 |
| Tare  | 26,180 * | 11,875 |
| Net   | 24,700   | 11,204 |

12.35 Ton 11.20

\* Predetermined Tare

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 71.56 | Loads: |
| Tons To Date:   | 71.56 | 4      |
| Today Tonnes    | 64.92 |        |
| Tonnes To Date: | 64.92 |        |

Carrier :

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received:

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Cust:

Customer Do Not Accept [1] Scale: 1

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/27/2017 13:28

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No.

1504120822

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 50,880   | 23,079 |
| Tare  | 26,180 * | 11,875 |
| Net   | 24,700   | 11,204 |

12.35 Ton 11.20

\* Predetermined Tare

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 71.56 | Loads: |
| Tons To Date:   | 71.56 | 4      |
| Today Tonnes    | 64.92 |        |
| Tonnes To Date: | 64.92 |        |

Carrier :

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received:

Weighmaster: Clement, Holly #602879

P/D Status: Pickup

Cust:

Customer Do Not Accept [3] Scale: 1

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

12/13/2017 12:15

In :

Customer: 8523746 L G EVANS CONSTRUCTION INC

Order : 968677 CPU/COOPER VISION-2017

P.O.:

Tkt. No. 1504122792

Product 074340

No 2 Crusher Run

S O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 66,760   | 30,282 |
| Tare  | 26,440 * | 11,993 |
| Net   | 40,320   | 18,289 |

20.16 Ton 18.29

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 101.32 | Loads: |
| Tons To Date:   | 460.82 | 5      |
| Today Tonnes    | 91.92  |        |
| Tonnes To Date: | 418.05 |        |

Carrier :

Vehicle: HFSWAN23 SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received: \_\_\_\_\_

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust: \_\_\_\_\_

*By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same*  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Customer Do Not Accept [3] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

12/13/2017 13:35

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No. 1504122801

Product 074340

No 2 Crusher Run

S O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 67,820   | 30,763 |
| Tare  | 26,440 * | 11,993 |
| Net   | 41,380   | 18,770 |

20.69 Ton 18.77

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 122.01 | Loads: |
| Tons To Date:   | 481.51 | 6      |
| Today Tonnes    | 110.69 |        |
| Tonnes To Date: | 436.82 |        |

Carrier :

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received: \_\_\_\_\_

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Cust: \_\_\_\_\_

Customer Do Not Accept [3] Scale: 1



**Hanson**

Plant: 36412

Honeyoe Falls Plant 364

2049 HF's #6 RD

Honeyoe Falls, NY 14472

585-624-1220

12/13/2017 11:00

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No. 1504122782

Product 074340

No 2 Crusher Run

S O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                       | UNIT | TOTALS |
|-----------------------|------|--------|
| Material:             |      |        |
| Freight:              |      |        |
| Tax:                  |      |        |
| Fee / Fuel:           |      |        |
| Other Chrg: <u>No</u> |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 68,000 m | 30,844 |
| Tare  | 26,440 * | 11,993 |
| Net   | 41,560 m | 18,851 |

20.78 Ton 18.85

m Manual Weight, \* P.T.

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 81.16  | Loads: |
| Tons To Date:   | 440.66 | 4      |
| Today Tonnes    | 73.63  |        |
| Tonnes To Date: | 399.76 |        |

*By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same*  
**CURB DELIVERY ONLY, NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received: \_\_\_\_\_

Cust: \_\_\_\_\_

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Customer Do Not Accept [3]

 Scale: 1

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Customer Do Not Accept [3]

 Scale: 1

**Hanson**

Plant: 36412

Honeye Falls Plant 364

2049 HF's #6 RD

Honeye Falls, NY 14472

585-624-1220,

12/13/2017 09:53

In :

Customer: 8523746 L G EVANS CONSTRUCTION INC

Order : 968677 CPU/COOPER VISION-2017

P.O. :

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017

Tkt. No. 1504122771



|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 67,700   | 30,708 |
| Tare  | 26,440 * | 11,993 |
| Net   | 41,260   | 18,715 |

20.63 Ton 18.72

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 60.38  | Loads: |
| Tons To Date:   | 419.88 | 3      |
| Today Tonnes    | 54.78  |        |
| Tonnes To Date: | 380.91 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY, NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

Carrier :

Vehicle: HFSWAN23 SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received: \_\_\_\_\_

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust: \_\_\_\_\_

Customer Do Not Accept [3] Scale: 1

**Hanson**

Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

12/13/2017 07:21

In: 7:05.41

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017

Tkt. No.

1504122759



|       | Pounds    | Kilo   |
|-------|-----------|--------|
| Gross | 66,520    | 30,173 |
| Tare  | 26,440    | 11,993 |
| Net   | 40,080    | 18,180 |
|       | 20.04 Ton | 18.18  |

|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 20.04  | Loads: |
| Tons To Date:   | 379.54 | 1      |
| Today Tonnes    | 18.18  |        |
| Tonnes To Date: | 344.31 |        |

*By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same*  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier:

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68.000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust:

Customer Do Not Accept [3]

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

12/12/2017 10:24

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No.

1504122677

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 65,540   | 29,728 |
| Tare  | 26,160 * | 11,866 |
| Net   | 39,380   | 17,862 |

19.69 Ton 17.86

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 19.69  | Loads: |
| Tons To Date:   | 299.98 | 1      |
| Today Tonnes    | 17.86  |        |
| Tonnes To Date: | 272.14 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp; "

License:

MaxGVW: 67,000

Received:

Weighmaster: Graham, Sara #603663

Cust: \_\_\_\_\_

P/D Status: Pickup

Customer Copy

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

12/12/2017 10:24

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No.

1504122677

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 65,540   | 29,728 |
| Tare  | 26,160 * | 11,866 |
| Net   | 39,380   | 17,862 |

19.69 Ton 17.86

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 19.69  | Loads: |
| Tons To Date:   | 299.98 | 1      |
| Today Tonnes    | 17.86  |        |
| Tonnes To Date: | 272.14 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp; "

License:

MaxGVW: 67,000

Received:

Weighmaster: Graham, Sara #603663

Cust: \_\_\_\_\_

P/D Status: Pickup

Customer Do Not Accept [2]

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

12/12/2017 11:50

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No.

1504122701

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 66,060   | 29,964 |
| Tare  | 26,160 * | 11,866 |
| Net   | 39,900   | 18,098 |

19.95 Ton 18.10

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 39.64  | Loads: |
| Tons To Date:   | 319.93 | 2      |
| Today Tonnes    | 35.96  |        |
| Tonnes To Date: | 290.24 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.

Carrier :

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust:

Customer Copy

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

12/12/2017 11:50

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No.

1504122701

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 66,060   | 29,964 |
| Tare  | 26,160 * | 11,866 |
| Net   | 39,900   | 18,098 |

19.95 Ton 18.10

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 39.64  | Loads: |
| Tons To Date:   | 319.93 | 2      |
| Today Tonnes    | 35.96  |        |
| Tonnes To Date: | 290.24 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.

Carrier :

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust:

Customer Do Not Accept [2]

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

12/12/2017 12:59

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P O :

Tkt. No. 1504122729

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 65,220   | 29,583 |
| Tare  | 26,160 * | 11,866 |
| Net   | 39,060   | 17,717 |

19.53 Ton 17.72

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 59.17  | Loads: |
| Tons To Date:   | 339.46 | 3      |
| Today Tonnes    | 53.68  |        |
| Tonnes To Date: | 307.95 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.

Carrier :

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received: \_\_\_\_\_

Weighmaster: Graham. Sara #603663

Cust: \_\_\_\_\_

P/D Status: Pickup

Customer Copy

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

12/12/2017 12:59

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P O :

Tkt. No. 1504122729

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 65,220   | 29,583 |
| Tare  | 26,160 * | 11,866 |
| Net   | 39,060   | 17,717 |

19.53 Ton 17.72

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 59.17  | Loads: |
| Tons To Date:   | 339.46 | 3      |
| Today Tonnes    | 53.68  |        |
| Tonnes To Date: | 307.95 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.

Carrier :

Vehicle: HFSWAN17

SWAN EQUIPMENT &amp;

License:

MaxGVW: 67,000

Received: \_\_\_\_\_

Weighmaster: Graham. Sara #603663

Cust: \_\_\_\_\_

P/D Status: Pickup

Customer Do Not Accept [2]

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

12/12/2017 14:23

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Honeoye Falls, NY 14472

585-624-1220,

Tkt. No. 1504122751

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 66,240   | 30,046 |
| Tare  | 26,160 * | 11,866 |
| Net   | 40,080   | 18,180 |

20.04 Ton 18.18

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 79.21  | Loads: |
| Tons To Date:   | 359.50 | 4      |
| Today Tonnes    | 71.86  |        |
| Tonnes To Date: | 326.13 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.

Carrier :

Vehicle: HFSWAN17 SWAN EQUIPMENT &amp;

License:

MaxGVW: 67.000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust:

Customer Copy

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

12/12/2017 14:23

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Honeoye Falls, NY 14472

585-624-1220,

Tkt. No. 1504122751

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 66,240   | 30,046 |
| Tare  | 26,160 * | 11,866 |
| Net   | 40,080   | 18,180 |

20.04 Ton 18.18

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 79.21  | Loads: |
| Tons To Date:   | 359.50 | 4      |
| Today Tonnes    | 71.86  |        |
| Tonnes To Date: | 326.13 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.

Carrier :

Vehicle: HFSWAN17 SWAN EQUIPMENT &amp;

License:

MaxGVW: 67.000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust:

Customer Do Not Accept [2]

Scale: 1

**Hanson**

Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/29/2017 07:28

In: 7:04:44

Customer: 8523746 L G EVANS CONSTRUCTION INC

Order : 968677 CPU/COOPER VISION-2017

P.O. :

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|       | Pounds | Kilo   |
|-------|--------|--------|
| Gross | 66,900 | 30,345 |
| Tare  | 26,080 | 11,830 |
| Net   | 40,820 | 18,516 |

20.41 Ton 18.52

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 43.12  | Loads: |
| Tons To Date:   | 114.68 | 2      |
| Today Tonnes    | 39.12  |        |
| Tonnes To Date: | 104.04 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

Carrier :

Vehicle: HFSWAN23 SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received: \_\_\_\_\_

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust: \_\_\_\_\_

Customer Do Not Accept [3] Scale: 1



**Hanson**

Plant: 36412

**Honeoye Falls Plant 364**

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220,

11/29/2017 08:45

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No.

1504121085

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

Carrier :

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68.000

Received: \_\_\_\_\_

Weighmaster: Graham. Sara #603663

P/D Status: Pickup

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 67,800   | 30,754 |
| Tare  | 26,080 * | 11,830 |
| Net   | 41,720   | 18,924 |

20.86 Ton 18.92

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 63.98  | Loads: |
| Tons To Date:   | 135.54 | 3      |
| Today Tonnes    | 58.04  |        |
| Tonnes To Date: | 122.96 |        |

*By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same*  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Cust: \_\_\_\_\_

Customer Do Not Accept [2] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 IIF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/29/2017 15:00

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P O :

Tkt. No. 1504121282

Product 074340

No 2 Crusher Run

S O Info:

Ship Ref: CPU/COOPER VISION-2017

|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

Carrier :

Vehicle: HFCC30

Country Construction

License: 93301MK

MaxGVW: 73.750

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 72,780   | 33,012 |
| Tare  | 28,200 * | 12,791 |
| Net   | 44,580   | 20,221 |

22.29 Ton 20.22

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 109.00 | Loads: |
| Tons To Date:   | 180.56 | 5      |
| Today Tonnes    | 98.88  |        |
| Tonnes To Date: | 163.80 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Cust:

Customer Copy

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 IIF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/29/2017 15:00

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P O :

Tkt. No. 1504121282

Product 074340

No 2 Crusher Run

S O Info:

Ship Ref: CPU/COOPER VISION-2017

|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

Carrier :

Vehicle: HFCC30

Country Construction

License: 93301MK

MaxGVW: 73.750

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 72,780   | 33,012 |
| Tare  | 28,200 * | 12,791 |
| Net   | 44,580   | 20,221 |

22.29 Ton 20.22

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 109.00 | Loads: |
| Tons To Date:   | 180.56 | 5      |
| Today Tonnes    | 98.88  |        |
| Tonnes To Date: | 163.80 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Cust:

Customer Do Not Accept [2]

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

11/29/2017 08:47

In :

Honeoye Falls, NY 14472

Customer: 8523746

L G EVANS CONSTRUCTION INC

585-624-1220

Order : 968677

CPU/COOPER VISION-2017

Tkt. No. 1504121086

P O :

Product 074340

No 2 Crusher Run

S O Info:

Ship Ref: CPU/COOPER VISION-2017



|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 73,660   | 33,412 |
| Tare  | 28,200 * | 12,791 |
| Net   | 45,460   | 20,620 |

22.73 Ton 20.62

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 86.71  | Loads: |
| Tons To Date:   | 158.27 | 4      |
| Today Tonnes    | 78.66  |        |
| Tonnes To Date: | 143.58 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFCC30

Country Construction

License: 93301MK

MaxGVW: 73.750

Received:

Weighmaster: Graham, Sara #603663

Cust:

P/D Status: Pickup

Customer Copy

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

11/29/2017 08:47

In :

Honeoye Falls, NY 14472

Customer: 8523746

L G EVANS CONSTRUCTION INC

585-624-1220

Order : 968677

CPU/COOPER VISION-2017

Tkt. No. 1504121086

P O :

Product 074340

No 2 Crusher Run

S O Info:

Ship Ref: CPU/COOPER VISION-2017



|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 73,660   | 33,412 |
| Tare  | 28,200 * | 12,791 |
| Net   | 45,460   | 20,620 |

22.73 Ton 20.62

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 86.71  | Loads: |
| Tons To Date:   | 158.27 | 4      |
| Today Tonnes    | 78.66  |        |
| Tonnes To Date: | 143.58 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFCC30

Country Construction

License: 93301MK

MaxGVW: 73.750

Received:

Weighmaster: Graham, Sara #603663

Cust:

P/D Status: Pickup

Customer Do Not Accept [2]

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/29/2017 08:45

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No.

1504121085

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 67,800   | 30,754 |
| Tare  | 26,080 * | 11,830 |
| Net   | 41,720   | 18,924 |

20.86 Ton 18.92

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 63.98  | Loads: |
| Tons To Date:   | 135.54 | 3      |
| Today Tonnes    | 58.04  |        |
| Tonnes To Date: | 122.96 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust: \_\_\_\_\_

Customer Do Not Accept [1] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/29/2017 08:45

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

P.O. :

Tkt. No.

1504121085

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|                | UNIT | TOTALS |
|----------------|------|--------|
| Material:      |      |        |
| Freight:       |      |        |
| Tax:           |      |        |
| Fee / Fuel:    |      |        |
| Other Chrg: No |      |        |

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 67,800   | 30,754 |
| Tare  | 26,080 * | 11,830 |
| Net   | 41,720   | 18,924 |

20.86 Ton 18.92

\* Predetermined Tare

|                 |        |        |
|-----------------|--------|--------|
| Today Tons:     | 63.98  | Loads: |
| Tons To Date:   | 135.54 | 3      |
| Today Tonnes    | 58.04  |        |
| Tonnes To Date: | 122.96 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Carrier :

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust: \_\_\_\_\_

Customer Do Not Accept [3] Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220.

11/29/2017 07:28

In: 7:04:44

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Tkt. No. 1504121050

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

|       | Pounds    | Kilo   |
|-------|-----------|--------|
| Gross | 66,900    | 30,345 |
| Tare  | 26,080    | 11,830 |
| Net   | 40,820    | 18,516 |
|       | 20.41 Ton | 18.52  |

Carrier:

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust:

Customer Copy

Scale: 1

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220.

11/29/2017 07:28

In: 7:04:44

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order: 968677

CPU/COOPER VISION-2017

P.O.:

Tkt. No. 1504121050

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

|       | Pounds    | Kilo   |
|-------|-----------|--------|
| Gross | 66,900    | 30,345 |
| Tare  | 26,080    | 11,830 |
| Net   | 40,820    | 18,516 |
|       | 20.41 Ton | 18.52  |

Carrier:

Vehicle: HFSWAN23

SWAN EQUIPMENT &amp;

License:

MaxGVW: 68,000

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

Cust:

Customer Do Not Accept [2]

Scale: 1

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/29/2017 07:23

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

Tkt. No.

1504121044

P.O.:

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

Carrier :

Vehicle: HFCC30

Country Construction

License: 93301MK

MaxGVW: 73,750

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 73,620   | 33,393 |
| Tare  | 28,200 * | 12,791 |
| Net   | 45,420   | 20,602 |

22.71 Ton 20.60

\* Predetermined Tare

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 22.71 | Loads: |
| Tons To Date:   | 94.27 | 1      |
| Today Tonnes    | 20.60 |        |
| Tonnes To Date: | 85.52 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Cust:

Customer Copy

Scale: 1



Plant: 36412

Honeoye Falls Plant 364

2049 HF's #6 RD

Honeoye Falls, NY 14472

585-624-1220

11/29/2017 07:23

In :

Customer: 8523746

L G EVANS CONSTRUCTION INC

Order : 968677

CPU/COOPER VISION-2017

Tkt. No.

1504121044

P.O.:

Product 074340

No 2 Crusher Run

S.O. Info:

Ship Ref: CPU/COOPER VISION-2017



|             | UNIT | TOTALS |
|-------------|------|--------|
| Material:   |      |        |
| Freight:    |      |        |
| Tax:        |      |        |
| Fee / Fuel: |      |        |
| Other Chrg: | No   |        |

Carrier :

Vehicle: HFCC30

Country Construction

License: 93301MK

MaxGVW: 73,750

Received:

Weighmaster: Graham, Sara #603663

P/D Status: Pickup

|       | Pounds   | Kilo   |
|-------|----------|--------|
| Gross | 73,620   | 33,393 |
| Tare  | 28,200 * | 12,791 |
| Net   | 45,420   | 20,602 |

22.71 Ton 20.60

\* Predetermined Tare

|                 |       |        |
|-----------------|-------|--------|
| Today Tons:     | 22.71 | Loads: |
| Tons To Date:   | 94.27 | 1      |
| Today Tonnes    | 20.60 |        |
| Tonnes To Date: | 85.52 |        |

By acceptance of this ticket (with or without signature), driver accepts on behalf of themselves/their employer sole responsibility to ensure that the load received is within the weight limit authorized by law and shall hold seller harmless against any and all claims with respect to same  
**CURB DELIVERY ONLY. NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.**

Cust:

Customer Do Not Accept [2]

Scale: 1



May 02, 2018

Service Request No:R1803675

Mr. Mark Ramsdell  
Haley & Aldrich, Inc.  
200 Town Centre Drive  
Suite 2  
Rochester, NY 14623-4264

**Laboratory Results for: Coopervision**

Dear Mr.Ramsdell,

Enclosed are the results of the sample(s) submitted to our laboratory April 24, 2018  
For your reference, these analyses have been assigned our service request number **R1803675**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**

Brady Kalkman  
Project Manager

**ADDRESS**

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

**PHONE** +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.  
dba ALS Environmental



## Narrative Documents

**ALS Environmental—Rochester Laboratory**

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

[www.alsglobal.com](http://www.alsglobal.com)





**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Received:** 04/24/2018

### CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

#### Sample Receipt:

One soil sample was received for analysis at ALS Environmental on 04/24/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The sample was received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

#### Semivolatiles by GC/MS:

Method 8270D, 04/25/2018: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 04/25/2018: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

#### Semivolatile GC:

Method 8081B, 04/30/2018: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken. Sample was analyzed twice with similar results confirming sample matrix issues.

#### Metals:

No significant anomalies were noted with this analysis.

#### General Chemistry:

No significant anomalies were noted with this analysis.

#### Volatiles by GC/MS:

Method 8260C, 04/26/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 04/26/2018: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Approved by \_\_\_\_\_

Date 05/02/2018

# SAMPLE DETECTION SUMMARY

**CLIENT ID: 7006-042418-1240**
**Lab ID: R1803675-001**

| Analyte             | Results | Flag | MDL   | PQL   | Units   | Method      |
|---------------------|---------|------|-------|-------|---------|-------------|
| Chromium, Trivalent | 10.8    |      |       | 1.0   | mg/Kg   | Calculation |
| Total Solids        | 84.2    |      |       |       | Percent | ALS SOP     |
| Arsenic, Total      | 2.7     |      | 0.4   | 1.1   | mg/Kg   | 6010C       |
| Barium, Total       | 39.1    |      | 0.09  | 2.3   | mg/Kg   | 6010C       |
| Chromium, Total     | 10.8    |      | 0.2   | 1.1   | mg/Kg   | 6010C       |
| Copper, Total       | 10.9    |      | 0.6   | 2.3   | mg/Kg   | 6010C       |
| Lead, Total         | 11.0    |      | 0.3   | 5.7   | mg/Kg   | 6010C       |
| Manganese, Total    | 301     |      | 1.2   | 2.3   | mg/Kg   | 6010C       |
| Mercury, Total      | 0.043   |      | 0.007 | 0.037 | mg/Kg   | 7471B       |
| Nickel, Total       | 10.4    |      | 0.8   | 4.5   | mg/Kg   | 6010C       |
| Zinc, Total         | 40.4    |      | 0.4   | 2.3   | mg/Kg   | 6010C       |
| Acetone             | 33      |      | 3.4   | 5.9   | ug/Kg   | 8260C       |



## Sample Receipt Information

**ALS Environmental—Rochester Laboratory**

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

[www.alsglobal.com](http://www.alsglobal.com)

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002

**Service Request:**R1803675

**SAMPLE CROSS-REFERENCE**

| <u>SAMPLE #</u> | <u>CLIENT SAMPLE ID</u> | <u>DATE</u> | <u>TIME</u> |
|-----------------|-------------------------|-------------|-------------|
| R1803675-001    | 7006-042418-1240        | 4/24/2018   | 1240        |



**HALEY  
ALDRICH**

# ALS Environmental Laboratory:

1565 Jefferson Rd, Bldg 300, Ste 360, Rochester, NY 14623, USA | +1 585 288 5380

## Chain of Custody Form

Page 1 of 1

|                      |            |                   |              |
|----------------------|------------|-------------------|--------------|
| H&A Project Number:  | 129375-002 | H&A Client Name:  | CooperVision |
| ALS Project Manager: |            | ALS Work Order #: |              |

Blanket Service Agreement: 2015-18-ALS Group

| Customer Information |                                  | Project Information     |                  | Parameter/Method Request for Analysis |                   |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|----------------------------------|-------------------------|------------------|---------------------------------------|-------------------|--|--|--|--|--|--|--|--|--|--|--|
| Purchase Order       |                                  | Project Name            | CooperVision     | A                                     | VOCs (8260C)      |  |  |  |  |  |  |  |  |  |  |  |
| Work Order           |                                  | Project Number          | 129375-002       | B                                     |                   |  |  |  |  |  |  |  |  |  |  |  |
| Company Name         | Haley & Aldrich                  | Bill To Company         | Accounts Payable | C                                     | Total Metals, Hg  |  |  |  |  |  |  |  |  |  |  |  |
| Send Report To       | Mark Ramsdell                    | Invoice Attn.           |                  | D                                     | SVOCs (8270)      |  |  |  |  |  |  |  |  |  |  |  |
| Address              | 200 Town Centre Drive<br>Suite 2 | Address                 |                  | E                                     | Pesticides (8081) |  |  |  |  |  |  |  |  |  |  |  |
| City/State/Zip       | Rochester                        | City/State/Zip          |                  | F                                     | PCBs (8082)       |  |  |  |  |  |  |  |  |  |  |  |
| Phone                | 585-321-4241                     | Phone                   |                  | G                                     | Hex Cr            |  |  |  |  |  |  |  |  |  |  |  |
| Fax                  |                                  | State Samples Collected |                  | H                                     |                   |  |  |  |  |  |  |  |  |  |  |  |
| Email Address        | mramsdell@haleyaldrich.com       | Email Address           |                  | I                                     |                   |  |  |  |  |  |  |  |  |  |  |  |
|                      |                                  |                         |                  | J                                     |                   |  |  |  |  |  |  |  |  |  |  |  |

| No. | Sample Description | Date    | Time  | Matrix | Pres. Key Numbers | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|---------|-------|--------|-------------------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1   | 7006-042418-1240   | 4/24/18 | 12:40 | So:1   |                   | 1         | X |   |   |   |   |   |   |   |   |   |      |
| 2   | 7006-042418-1245   | 4/24/18 | 12:45 | So:1   |                   | 1         |   |   | X |   |   |   |   |   |   |   |      |
| 3   | 7006-042418-1255   | 4/24/18 | 12:55 | So:1   |                   | 1         |   |   |   |   |   |   |   | X |   |   |      |
| 4   | 7006-042418-1300   | 4/24/18 | 13:00 | So:1   |                   | 1         |   |   |   | X | X | X |   |   |   |   |      |
| 5   |                    |         |       |        |                   |           |   |   |   |   |   |   |   |   |   |   |      |
| 6   |                    |         |       |        |                   |           |   |   |   |   |   |   |   |   |   |   |      |
| 7   |                    |         |       |        |                   |           |   |   |   |   |   |   |   |   |   |   |      |
| 8   |                    |         |       |        |                   |           |   |   |   |   |   |   |   |   |   |   |      |
| 9   |                    |         |       |        |                   |           |   |   |   |   |   |   |   |   |   |   |      |
| 10  |                    |         |       |        |                   |           |   |   |   |   |   |   |   |   |   |   |      |

**R1803675**

Haley & Aldrich, Inc.  
CooperVision

**5**



|                                 |                                  |                                                                                                                                                                                                             |                   |
|---------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Sampler(s): Please Print & Sign | Shipment Method:<br>Hand Deliver | Turnaround Time in Business Days (BD):<br><input type="checkbox"/> 10 BD <input checked="" type="checkbox"/> 5 BD <input type="checkbox"/> 3 BD <input type="checkbox"/> 2 BD <input type="checkbox"/> 1 BD | Results Due Date: |
|---------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|

|                                                                                     |         |       |                           |                                                                                        |
|-------------------------------------------------------------------------------------|---------|-------|---------------------------|----------------------------------------------------------------------------------------|
| Relinquished by:                                                                    | Date:   | Time: | Received by:              | Notes:                                                                                 |
| <i>[Signature]</i>                                                                  | 4/24/18 | 1320  |                           |                                                                                        |
| Relinquished by:                                                                    | Date:   | Time: | Received by (Laboratory): | ALS Cooler ID                                                                          |
|                                                                                     | 4/24/18 | 1320  | <i>[Signature]</i>        |                                                                                        |
| Logged by (Laboratory):                                                             | Date:   | Time: | Checked by (Laboratory):  | Cooler Temp                                                                            |
|                                                                                     |         |       |                           |                                                                                        |
| Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-None/40C |         |       |                           | QC Package: (Check Box Below)                                                          |
|                                                                                     |         |       |                           | <input type="checkbox"/> Level II: Standard QC <input type="checkbox"/> TRRP Checklist |
|                                                                                     |         |       |                           | <input type="checkbox"/> Level III <input type="checkbox"/> TRRP Level IV              |
|                                                                                     |         |       |                           | <input type="checkbox"/> Level IV: Std QC/Raw Data                                     |
|                                                                                     |         |       |                           | <input type="checkbox"/> Other:                                                        |

1. ALS Group's services under this Chain of Custody shall be performed in accordance with terms and conditions within Blanket Service Agreement# 2015-18-ALS Group by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and ALS Group.

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2. Communicate with Laboratory Project Manager for any turnaround time less than 5 days.



## Cooler Receipt and Preservation Check Form

R1803675

5

Haley & Aldrich, Inc.  
CooperationProject/Client HHA Folder Number \_\_\_\_\_Cooler received on 4/24/18 by: SWCOURIER: ALS UPS FEDEX VELOCITY CLIENT

|   |                                                       |                                         |
|---|-------------------------------------------------------|-----------------------------------------|
| 1 | Were Custody seals on outside of cooler?              | Y <input checked="" type="checkbox"/> N |
| 2 | Custody papers properly completed (ink, signed)?      | <input checked="" type="checkbox"/> Y N |
| 3 | Did all bottles arrive in good condition (unbroken)?  | <input checked="" type="checkbox"/> Y N |
| 4 | Circle: <del>Wet Ice</del> Dry Ice Gel packs present? | <input checked="" type="checkbox"/> Y N |

|    |                                                   |                                                                |
|----|---------------------------------------------------|----------------------------------------------------------------|
| 5a | Perchlorate samples have required headspace?      | Y N <u>N/A</u>                                                 |
| 5b | Did VOA vials, Alk, or Sulfide have sig* bubbles? | Y N <u>N/A</u>                                                 |
| 6  | Where did the bottles originate?                  | <u>ALS/ROC</u> <u>CLIENT</u>                                   |
| 7  | Soil VOA received as:                             | <u>Bulk</u> Encore 5035set <u>N/A</u> <u>SW</u> <u>4/24/18</u> |

8. Temperature Readings Date: 4/24/18 Time: 1322 ID: R1803675 IR#9 From: Temp Blank Sample Bottle

|                               |                                         |     |     |     |     |     |     |
|-------------------------------|-----------------------------------------|-----|-----|-----|-----|-----|-----|
| Observed Temp (°C)            | <u>13.1</u>                             |     |     |     |     |     |     |
| Correction Factor (°C)        | <u>20.0</u>                             |     |     |     |     |     |     |
| Corrected Temp (°C)           | <u>13.1</u>                             |     |     |     |     |     |     |
| Temp from: Type of bottle     |                                         |     |     |     |     |     |     |
| Within 0-6°C?                 | Y <input checked="" type="checkbox"/> N | Y N | Y N | Y N | Y N | Y N | Y N |
| If <0°C, were samples frozen? | Y N                                     | Y N | Y N | Y N | Y N | Y N | Y N |

If out of Temperature, note packing/ice condition: \_\_\_\_\_ Ice melted Poorly Packed (described below) Same Day Rule  
 & Client Approval to Run Samples: \_\_\_\_\_ Standing Approval Client aware at drop-off Client notified by: \_\_\_\_\_

All samples held in storage location: R-007 by SW on 4/24/18 at 1322  
 5035 samples placed in storage location: \_\_\_\_\_ by \_\_\_\_\_ on \_\_\_\_\_ at \_\_\_\_\_

Cooler Breakdown/Preservation Check\*\*: Date: 4/24/18 Time: 1940 by: SW

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO  
 10. Did all bottle labels and tags agree with custody papers? YES NO  
 11. Were correct containers used for the tests indicated? YES NO  
 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO N/A  
 13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized N/A Tedlar® Bags Inflated N/A

| pH                    | Lot of test paper | Reagent                                       | Preserved? |    | Lot Received                                                                                             | Exp | Sample ID Adjusted | Vol. Added | Lot Added | Final pH |
|-----------------------|-------------------|-----------------------------------------------|------------|----|----------------------------------------------------------------------------------------------------------|-----|--------------------|------------|-----------|----------|
|                       |                   |                                               | Yes        | No |                                                                                                          |     |                    |            |           |          |
| ≥12                   |                   | NaOH                                          |            |    |                                                                                                          |     |                    |            |           |          |
| ≤2                    |                   | HNO <sub>3</sub>                              |            |    |                                                                                                          |     |                    |            |           |          |
| ≤2                    |                   | H <sub>2</sub> SO <sub>4</sub>                |            |    |                                                                                                          |     |                    |            |           |          |
| <4                    |                   | NaHSO <sub>4</sub>                            |            |    |                                                                                                          |     |                    |            |           |          |
| 5-9                   |                   | For 608pest                                   |            |    | No=Notify for 3day                                                                                       |     |                    |            |           |          |
| Residual Chlorine (-) |                   | For CN, Phenol, 625, 608pest, 522             |            |    | If +, contact PM to add Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (625, 608, CN), ascorbic (phenol). |     |                    |            |           |          |
|                       |                   | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> |            |    |                                                                                                          |     |                    |            |           |          |
|                       |                   | ZnAcetate                                     | -          | -  |                                                                                                          |     |                    |            |           |          |
|                       |                   | HCl                                           | **         | ** |                                                                                                          |     |                    |            |           |          |

\*\*VOAs and 1664 Not to be tested before analysis.  
 Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 02418-1SR, 082117-1TW  
 Explain all Discrepancies/ Other Comments: \_\_\_\_\_

|       |              |
|-------|--------------|
| CLRES | <u>BULK?</u> |
| DO    | FLDT         |
| HPROD | HGFB         |
| HTR   | LL3541       |
| PH    | SUB          |
| SO3   | MARRS        |
| ALS   | REV          |

Labels secondary reviewed by: SW  
 PC Secondary Review: \_\_\_\_\_

\*significant air bubbles: VOA &gt; 5-6 mm : WC &gt; 1 in. diameter



## Miscellaneous Forms

**ALS Environmental—Rochester Laboratory**

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

[www.alsglobal.com](http://www.alsglobal.com)

## REPORT QUALIFIERS AND DEFINITIONS

|   |                                                                                                                                                                                                                                                                                                        |     |                                                                                                                                                                                                                      |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U | Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.                                                                                                                       | +   | Correlation coefficient for MSA is <0.995.                                                                                                                                                                           |
| J | Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors). | N   | Inorganics- Matrix spike recovery was outside laboratory limits.                                                                                                                                                     |
| B | Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.                                                                                                                                                                            | N   | Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.                                                                                                                     |
| E | Inorganics- Concentration is estimated due to the serial dilution was outside control limits.                                                                                                                                                                                                          | S   | Concentration has been determined using Method of Standard Additions (MSA).                                                                                                                                          |
| E | Organics- Concentration has exceeded the calibration range for that specific analysis.                                                                                                                                                                                                                 | W   | Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.                                                                                                   |
| D | Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.                                                                                            | P   | Concentration >40% difference between the two GC columns.                                                                                                                                                            |
| * | Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.                                                                                                                  | C   | Confirmed by GC/MS                                                                                                                                                                                                   |
| H | Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.                                                                                                                                                                                                         | Q   | DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).                                                                                                                |
| # | Spike was diluted out.                                                                                                                                                                                                                                                                                 | X   | See Case Narrative for discussion.                                                                                                                                                                                   |
|   |                                                                                                                                                                                                                                                                                                        | MRL | Method Reporting Limit. Also known as:                                                                                                                                                                               |
|   |                                                                                                                                                                                                                                                                                                        | LOQ | Limit of Quantitation (LOQ)<br>The lowest concentration at which the method analyte may be reliably quantified under the method conditions.                                                                          |
|   |                                                                                                                                                                                                                                                                                                        | MDL | Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier). |
|   |                                                                                                                                                                                                                                                                                                        | LOD | Limit of Detection. A value at or above the MDL which has been verified to be detectable.                                                                                                                            |
|   |                                                                                                                                                                                                                                                                                                        | ND  | Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.                                                                                                                               |



### Rochester Lab ID # for State Certifications<sup>1</sup>

|                         |                       |                         |
|-------------------------|-----------------------|-------------------------|
| Connecticut ID # PH0556 | Maine ID #NY0032      | New Hampshire ID #      |
| Delaware Approved       | New Jersey ID # NY004 | 294100 A/B              |
| DoD ELAP #65817         | New York ID # 10145   | Pennsylvania ID# 68-786 |
| Florida ID # E87674     | North Carolina #676   | Rhode Island ID # 158   |
|                         |                       | Virginia #460167        |

<sup>1</sup> Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>



# ALS Laboratory Group

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## Acronyms

|            |                                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------------------------|
| ASTM       | American Society for Testing and Materials                                                                                               |
| A2LA       | American Association for Laboratory Accreditation                                                                                        |
| CARB       | California Air Resources Board                                                                                                           |
| CAS Number | Chemical Abstract Service registry Number                                                                                                |
| CFC        | Chlorofluorocarbon                                                                                                                       |
| CFU        | Colony-Forming Unit                                                                                                                      |
| DEC        | Department of Environmental Conservation                                                                                                 |
| DEQ        | Department of Environmental Quality                                                                                                      |
| DHS        | Department of Health Services                                                                                                            |
| DOE        | Department of Ecology                                                                                                                    |
| DOH        | Department of Health                                                                                                                     |
| EPA        | U. S. Environmental Protection Agency                                                                                                    |
| ELAP       | Environmental Laboratory Accreditation Program                                                                                           |
| GC         | Gas Chromatography                                                                                                                       |
| GC/MS      | Gas Chromatography/Mass Spectrometry                                                                                                     |
| LUFT       | Leaking Underground Fuel Tank                                                                                                            |
| M          | Modified                                                                                                                                 |
| MCL        | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL        | Method Detection Limit                                                                                                                   |
| MPN        | Most Probable Number                                                                                                                     |
| MRL        | Method Reporting Limit                                                                                                                   |
| NA         | Not Applicable                                                                                                                           |
| NC         | Not Calculated                                                                                                                           |
| NCASI      | National Council of the Paper Industry for Air and Stream Improvement                                                                    |
| ND         | Not Detected                                                                                                                             |
| NIOSH      | National Institute for Occupational Safety and Health                                                                                    |
| PQL        | Practical Quantitation Limit                                                                                                             |
| RCRA       | Resource Conservation and Recovery Act                                                                                                   |
| SIM        | Selected Ion Monitoring                                                                                                                  |
| TPH        | Total Petroleum Hydrocarbons                                                                                                             |
| tr         | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.                           |

**ALS Group USA, Corp.**  
dba ALS Environmental

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002

**Service Request:** R1803675

**Non-Certified Analytes**

**Certifying Agency:** New York Department of Health

| <b>Method</b> | <b>Matrix</b> | <b>Analyte</b>      |
|---------------|---------------|---------------------|
| ALS SOP       | Soil          | Total Solids        |
| Calculation   | Soil          | Chromium, Trivalent |

ALS Group USA, Corp.  
dba ALS Environmental

Analyst Summary report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002

**Service Request:** R1803675

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001  
**Sample Matrix:** Soil

**Date Collected:** 04/24/18  
**Date Received:** 04/24/18

| Analysis Method | Extracted/Digested By | Analyzed By  |
|-----------------|-----------------------|--------------|
| 6010C           | KMCLAEN               | NMANSEN      |
| 7199            | CWOODS                | CWOODS       |
| 7471B           | KMCLAEN               | KMCLAEN      |
| 8081B           | DMURPHY               | MPEDRO       |
| 8082A           | DMURPHY               | MPEDRO       |
| 8260C           |                       | FNAEGLER     |
| 8270D           | DMURPHY               | JMISIUREWICZ |
| ALS SOP         |                       | KMENGs       |
| Calculation     |                       | CWOODS       |



## INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

### Water/Liquid Matrix

| Analytical Method             | Preparation Method |
|-------------------------------|--------------------|
| 200.7                         | 200.2              |
| 200.8                         | 200.2              |
| 6010C                         | 3005A/3010A        |
| 6020A                         | ILM05.3            |
| 9014 Cyanide Reactivity       | SW846 Ch7, 7.3.4.2 |
| 9034 Sulfide Reactivity       | SW846 Ch7, 7.3.4.2 |
| 9034 Sulfide Acid Soluble     | 9030B              |
| 9056A Bomb (Halogens)         | 5050A              |
| 9066 Manual Distillation      | 9065               |
| SM 4500-CN-E Residual Cyanide | SM 4500-CN-G       |
| SM 4500-CN-E WAD Cyanide      | SM 4500-CN-I       |

### Solid/Soil/Non-Aqueous Matrix

| Analytical Method                                            | Preparation Method |
|--------------------------------------------------------------|--------------------|
| 6010C                                                        | 3050B              |
| 6020A                                                        | 3050B              |
| 6010C TCLP (1311) extract                                    | 3005A/3010A        |
| 6010 SPLP (1312) extract                                     | 3005A/3010A        |
| 7196A                                                        | 3060A              |
| 7199                                                         | 3060A              |
| 9056A Halogens/Halides                                       | 5050               |
| 300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions | DI extraction      |

For analytical methods not listed, the preparation method is the same as the analytical method reference.



## Sample Results

**ALS Environmental—Rochester Laboratory**

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## Volatile Organic Compounds by GC/MS

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**ALS Group USA, Corp.**  
dba ALS Environmental

Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** 04/24/18 12:40  
**Date Received:** 04/24/18 13:20

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001

**Units:** ug/Kg  
**Basis:** Dry

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5035A

| Analyte Name                 | Result | MRL | Dil. | Date Analyzed  | Q |
|------------------------------|--------|-----|------|----------------|---|
| 1,1,1-Trichloroethane (TCA)  | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| 1,1,2,2-Tetrachloroethane    | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| 1,1,2-Trichloroethane        | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| 1,1-Dichloroethane (1,1-DCA) | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| 1,1-Dichloroethene (1,1-DCE) | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| 1,2-Dichloroethane           | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| 1,2-Dichloropropane          | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| 2-Butanone (MEK)             | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| 2-Hexanone                   | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| 4-Methyl-2-pentanone         | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Acetone                      | 33     | 5.9 | 1    | 04/26/18 14:50 |   |
| Benzene                      | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Bromodichloromethane         | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Bromoform                    | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Bromomethane                 | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Carbon Disulfide             | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Carbon Tetrachloride         | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Chlorobenzene                | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Chloroethane                 | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Chloroform                   | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Chloromethane                | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Dibromochloromethane         | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Dichloromethane              | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Ethylbenzene                 | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Styrene                      | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Tetrachloroethene (PCE)      | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Toluene                      | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Trichloroethene (TCE)        | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| Vinyl Chloride               | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| cis-1,2-Dichloroethene       | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| cis-1,3-Dichloropropene      | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| m,p-Xylenes                  | ND U   | 12  | 1    | 04/26/18 14:50 |   |
| o-Xylene                     | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| trans-1,2-Dichloroethene     | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |
| trans-1,3-Dichloropropene    | ND U   | 5.9 | 1    | 04/26/18 14:50 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** 04/24/18 12:40  
**Date Received:** 04/24/18 13:20

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001

**Units:** ug/Kg  
**Basis:** Dry

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5035A

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 83    | 51 - 136       | 04/26/18 14:50 |   |
| Dibromofluoromethane | 89    | 63 - 138       | 04/26/18 14:50 |   |
| Toluene-d8           | 96    | 66 - 138       | 04/26/18 14:50 |   |





## Semivolatile Organic Compounds by GC/MS

**ALS Environmental—Rochester Laboratory**

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Phone (585) 288-5380 Fax (585) 288-8475

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**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** 04/24/18 12:40  
**Date Received:** 04/24/18 13:20

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001

**Units:** ug/Kg  
**Basis:** Dry

**Semivolatile Organic Compounds by GC/MS**

**Analysis Method:** 8270D  
**Prep Method:** EPA 3541

| Analyte Name                    | Result | MRL  | Dil. | Date Analyzed  | Date Extracted | Q |
|---------------------------------|--------|------|------|----------------|----------------|---|
| 1,2,4-Trichlorobenzene          | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 1,2-Dichlorobenzene             | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 1,3-Dichlorobenzene             | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 1,4-Dichlorobenzene             | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2,4,5-Trichlorophenol           | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2,4,6-Trichlorophenol           | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2,4-Dichlorophenol              | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2,4-Dimethylphenol              | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2,4-Dinitrophenol               | ND U   | 2000 | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2,4-Dinitrotoluene              | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2,6-Dinitrotoluene              | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2-Chloronaphthalene             | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2-Chlorophenol                  | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2-Methylnaphthalene             | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2-Methylphenol                  | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2-Nitroaniline                  | ND U   | 2000 | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2-Nitrophenol                   | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 3,3'-Dichlorobenzidine          | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 3- and 4-Methylphenol Coelution | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 3-Nitroaniline                  | ND U   | 2000 | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 4,6-Dinitro-2-methylphenol      | ND U   | 2000 | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 4-Bromophenyl Phenyl Ether      | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 4-Chloro-3-methylphenol         | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 4-Chloroaniline                 | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 4-Chlorophenyl Phenyl Ether     | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 4-Nitroaniline                  | ND U   | 2000 | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 4-Nitrophenol                   | ND U   | 2000 | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Acenaphthene                    | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Acenaphthylene                  | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Anthracene                      | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Benz(a)anthracene               | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Benzo(a)pyrene                  | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Benzo(b)fluoranthene            | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Benzo(g,h,i)perylene            | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Benzo(k)fluoranthene            | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Benzyl Alcohol                  | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| 2,2'-Oxybis(1-chloropropane)    | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Bis(2-chloroethoxy)methane      | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Bis(2-chloroethyl) Ether        | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Bis(2-ethylhexyl) Phthalate     | ND U   | 590  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Butyl Benzyl Phthalate          | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Carbazole                       | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Chrysene                        | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** 04/24/18 12:40  
**Date Received:** 04/24/18 13:20

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001

**Units:** ug/Kg  
**Basis:** Dry

**Semivolatile Organic Compounds by GC/MS**

**Analysis Method:** 8270D  
**Prep Method:** EPA 3541

| Analyte Name              | Result | MRL  | Dil. | Date Analyzed  | Date Extracted | Q |
|---------------------------|--------|------|------|----------------|----------------|---|
| Di-n-butyl Phthalate      | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Di-n-octyl Phthalate      | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Dibenz(a,h)anthracene     | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Dibenzofuran              | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Diethyl Phthalate         | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Dimethyl Phthalate        | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Fluoranthene              | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Fluorene                  | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Hexachlorobenzene         | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Hexachlorobutadiene       | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Hexachlorocyclopentadiene | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Hexachloroethane          | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Indeno(1,2,3-cd)pyrene    | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Isophorone                | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| N-Nitrosodi-n-propylamine | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| N-Nitrosodimethylamine    | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| N-Nitrosodiphenylamine    | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Naphthalene               | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Nitrobenzene              | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Pentachlorophenol (PCP)   | ND U   | 2000 | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Phenanthrene              | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Phenol                    | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |
| Pyrene                    | ND U   | 390  | 1    | 04/25/18 18:45 | 4/25/18        |   |

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 2,4,6-Tribromophenol | 50    | 13 - 128       | 04/25/18 18:45 |   |
| 2-Fluorobiphenyl     | 41    | 10 - 102       | 04/25/18 18:45 |   |
| 2-Fluorophenol       | 42    | 16 - 129       | 04/25/18 18:45 |   |
| Nitrobenzene-d5      | 44    | 10 - 95        | 04/25/18 18:45 |   |
| Phenol-d6            | 43    | 10 - 145       | 04/25/18 18:45 |   |
| p-Terphenyl-d14      | 68    | 16 - 126       | 04/25/18 18:45 |   |



## Semivolatile Organic Compounds by GC

**ALS Environmental—Rochester Laboratory**

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**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** 04/24/18 12:40  
**Date Received:** 04/24/18 13:20

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001

**Units:** ug/Kg  
**Basis:** Dry

**Organochlorine Pesticides by Gas Chromatography**

**Analysis Method:** 8081B  
**Prep Method:** EPA 3541

| Analyte Name        | Result | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|---------------------|--------|-----|------|----------------|----------------|---|
| 4,4'-DDD            | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| 4,4'-DDE            | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| 4,4'-DDT            | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| Aldrin              | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| Dieldrin            | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| Endosulfan I        | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| Endosulfan II       | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| Endosulfan Sulfate  | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| Endrin              | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| Endrin Aldehyde     | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| Endrin Ketone       | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| Heptachlor          | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| Heptachlor Epoxide  | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| Methoxychlor        | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| Toxaphene           | ND U   | 20  | 1    | 04/30/18 16:17 | 4/25/18        |   |
| alpha-BHC           | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| alpha-Chlordane     | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| beta-BHC            | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| delta-BHC           | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| gamma-BHC (Lindane) | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |
| gamma-Chlordane     | ND U   | 2.0 | 1    | 04/30/18 16:17 | 4/25/18        |   |

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| Decachlorobiphenyl   | 92    | 10 - 122       | 04/30/18 16:17 |   |
| Tetrachloro-m-xylene | 55    | 10 - 123       | 04/30/18 16:17 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** 04/24/18 12:40  
**Date Received:** 04/24/18 13:20

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001

**Units:** ug/Kg  
**Basis:** Dry

Polychlorinated Biphenyls (PCBs) by GC

**Analysis Method:** 8082A  
**Prep Method:** EPA 3541

| Analyte Name | Result | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|--------------|--------|-----|------|----------------|----------------|---|
| Aroclor 1016 | ND U   | 39  | 1    | 04/27/18 15:57 | 4/25/18        |   |
| Aroclor 1221 | ND U   | 80  | 1    | 04/27/18 15:57 | 4/25/18        |   |
| Aroclor 1232 | ND U   | 39  | 1    | 04/27/18 15:57 | 4/25/18        |   |
| Aroclor 1242 | ND U   | 39  | 1    | 04/27/18 15:57 | 4/25/18        |   |
| Aroclor 1248 | ND U   | 39  | 1    | 04/27/18 15:57 | 4/25/18        |   |
| Aroclor 1254 | ND U   | 39  | 1    | 04/27/18 15:57 | 4/25/18        |   |
| Aroclor 1260 | ND U   | 39  | 1    | 04/27/18 15:57 | 4/25/18        |   |

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| Decachlorobiphenyl   | 78    | 22 - 128       | 04/27/18 15:57 |   |
| Tetrachloro-m-xylene | 57    | 14 - 119       | 04/27/18 15:57 |   |



## Metals

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** 04/24/18 12:40  
**Date Received:** 04/24/18 13:20

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001

**Basis:** Dry

Inorganic Parameters

| Analyte Name     | Analysis Method | Result | Units | MRL   | Dil. | Date Analyzed  | Date Extracted | Q |
|------------------|-----------------|--------|-------|-------|------|----------------|----------------|---|
| Arsenic, Total   | 6010C           | 2.7    | mg/Kg | 1.1   | 1    | 04/27/18 13:29 | 04/25/18       |   |
| Barium, Total    | 6010C           | 39.1   | mg/Kg | 2.3   | 1    | 04/27/18 13:29 | 04/25/18       |   |
| Beryllium, Total | 6010C           | ND U   | mg/Kg | 0.34  | 1    | 04/27/18 13:29 | 04/25/18       |   |
| Cadmium, Total   | 6010C           | ND U   | mg/Kg | 0.57  | 1    | 04/27/18 13:29 | 04/25/18       |   |
| Chromium, Total  | 6010C           | 10.8   | mg/Kg | 1.1   | 1    | 04/27/18 13:29 | 04/25/18       |   |
| Copper, Total    | 6010C           | 10.9   | mg/Kg | 2.3   | 1    | 04/27/18 13:29 | 04/25/18       |   |
| Lead, Total      | 6010C           | 11.0   | mg/Kg | 5.7   | 1    | 04/27/18 13:29 | 04/25/18       |   |
| Manganese, Total | 6010C           | 301    | mg/Kg | 2.3   | 1    | 04/27/18 13:29 | 04/25/18       |   |
| Mercury, Total   | 7471B           | 0.043  | mg/Kg | 0.037 | 1    | 04/26/18 17:19 | 04/25/18       |   |
| Nickel, Total    | 6010C           | 10.4   | mg/Kg | 4.5   | 1    | 04/27/18 13:29 | 04/25/18       |   |
| Selenium, Total  | 6010C           | ND U   | mg/Kg | 1.1   | 1    | 04/27/18 13:29 | 04/25/18       |   |
| Silver, Total    | 6010C           | ND U   | mg/Kg | 1.1   | 1    | 04/27/18 13:29 | 04/25/18       |   |
| Zinc, Total      | 6010C           | 40.4   | mg/Kg | 2.3   | 1    | 04/27/18 13:29 | 04/25/18       |   |





## General Chemistry

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil  
  
**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001

**Service Request:** R1803675  
**Date Collected:** 04/24/18 12:40  
**Date Received:** 04/24/18 13:20  
  
**Basis:** Dry

Inorganic Parameters

| Analyte Name         | Analysis Method | Result      | Units | MRL  | Dil. | Date Analyzed  | Date Extracted | Q |
|----------------------|-----------------|-------------|-------|------|------|----------------|----------------|---|
| Chromium, Hexavalent | 7199            | ND U        | mg/Kg | 0.47 | 1    | 05/01/18 19:00 | 05/01/18       |   |
| Chromium, Hexavalent | 7199            | ND U        | mg/Kg | 0.47 | 1    | 05/01/18 18:53 | 05/01/18       |   |
| Chromium, Trivalent  | Calculation     | <b>10.8</b> | mg/Kg | 1.0  | 1    | NA             | NA             |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil  
**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001

**Service Request:** R1803675  
**Date Collected:** 04/24/18 12:40  
**Date Received:** 04/24/18 13:20  
**Basis:** As Received

Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units   | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|--------------|-----------------|--------|---------|-----|------|----------------|----------------|---|
| Total Solids | ALS SOP         | 84.2   | Percent | -   | 1    | 04/27/18 16:00 | NA             |   |



## QC Summary Forms

**ALS Environmental—Rochester Laboratory**

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## Volatile Organic Compounds by GC/MS

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675

**SURROGATE RECOVERY SUMMARY**  
**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Extraction Method:** EPA 5035A

| Sample Name        | Lab Code     | 4-Bromofluorobenzene | Dibromofluoromethane | Toluene-d8 |
|--------------------|--------------|----------------------|----------------------|------------|
|                    |              | 51 - 136             | 63 - 138             | 66 - 138   |
| 7006-042418-1240   | R1803675-001 | 83                   | 89                   | 96         |
| Lab Control Sample | RQ1804029-03 | 98                   | 100                  | 100        |
| Method Blank       | RQ1804029-04 | 98                   | 97                   | 100        |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1804029-04

**Units:** ug/Kg  
**Basis:** Dry

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5035A

| Analyte Name                 | Result | MRL | Dil. | Date Analyzed  | Q |
|------------------------------|--------|-----|------|----------------|---|
| 1,1,1-Trichloroethane (TCA)  | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| 1,1,2,2-Tetrachloroethane    | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| 1,1,2-Trichloroethane        | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| 1,1-Dichloroethane (1,1-DCA) | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| 1,1-Dichloroethene (1,1-DCE) | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| 1,2-Dichloroethane           | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| 1,2-Dichloropropane          | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| 2-Butanone (MEK)             | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| 2-Hexanone                   | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| 4-Methyl-2-pentanone         | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Acetone                      | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Benzene                      | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Bromodichloromethane         | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Bromoform                    | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Bromomethane                 | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Carbon Disulfide             | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Carbon Tetrachloride         | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Chlorobenzene                | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Chloroethane                 | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Chloroform                   | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Chloromethane                | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Dibromochloromethane         | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Dichloromethane              | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Ethylbenzene                 | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Styrene                      | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Tetrachloroethene (PCE)      | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Toluene                      | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Trichloroethene (TCE)        | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| Vinyl Chloride               | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| cis-1,2-Dichloroethene       | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| cis-1,3-Dichloropropene      | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| m,p-Xylenes                  | ND U   | 10  | 1    | 04/26/18 12:00 |   |
| o-Xylene                     | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| trans-1,2-Dichloroethene     | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |
| trans-1,3-Dichloropropene    | ND U   | 5.0 | 1    | 04/26/18 12:00 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1804029-04

**Units:** ug/Kg  
**Basis:** Dry

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5035A

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 98    | 51 - 136       | 04/26/18 12:00 |   |
| Dibromofluoromethane | 97    | 63 - 138       | 04/26/18 12:00 |   |
| Toluene-d8           | 100   | 66 - 138       | 04/26/18 12:00 |   |



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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Analyzed:** 04/26/18

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/Kg  
**Basis:**Dry

**Lab Control Sample**  
RQ1804029-03

| Analyte Name                 | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|------------------------------|-------------------|--------|--------------|-------|--------------|
| 1,1,1-Trichloroethane (TCA)  | 8260C             | 18.2   | 20.0         | 91    | 40-140       |
| 1,1,2,2-Tetrachloroethane    | 8260C             | 18.3   | 20.0         | 92    | 40-140       |
| 1,1,2-Trichloroethane        | 8260C             | 19.2   | 20.0         | 96    | 40-140       |
| 1,1-Dichloroethane (1,1-DCA) | 8260C             | 20.5   | 20.0         | 102   | 40-140       |
| 1,1-Dichloroethene (1,1-DCE) | 8260C             | 18.5   | 20.0         | 92    | 40-140       |
| 1,2-Dichloroethane           | 8260C             | 21.6   | 20.0         | 108   | 40-140       |
| 1,2-Dichloropropane          | 8260C             | 20.1   | 20.0         | 100   | 40-140       |
| 2-Butanone (MEK)             | 8260C             | 20.8   | 20.0         | 104   | 40-140       |
| 2-Hexanone                   | 8260C             | 18.2   | 20.0         | 91    | 40-140       |
| 4-Methyl-2-pentanone         | 8260C             | 17.2   | 20.0         | 86    | 40-140       |
| Acetone                      | 8260C             | 21.2   | 20.0         | 106   | 40-140       |
| Benzene                      | 8260C             | 19.7   | 20.0         | 98    | 40-140       |
| Bromodichloromethane         | 8260C             | 17.5   | 20.0         | 88    | 40-140       |
| Bromoform                    | 8260C             | 14.3   | 20.0         | 72    | 40-140       |
| Bromomethane                 | 8260C             | 16.2   | 20.0         | 81    | 40-140       |
| Carbon Disulfide             | 8260C             | 12.5   | 20.0         | 63    | 40-140       |
| Carbon Tetrachloride         | 8260C             | 16.1   | 20.0         | 81    | 40-140       |
| Chlorobenzene                | 8260C             | 19.4   | 20.0         | 97    | 40-140       |
| Chloroethane                 | 8260C             | 19.0   | 20.0         | 95    | 40-140       |
| Chloroform                   | 8260C             | 20.1   | 20.0         | 101   | 40-140       |
| Chloromethane                | 8260C             | 16.1   | 20.0         | 80    | 40-140       |
| Dibromochloromethane         | 8260C             | 15.3   | 20.0         | 77    | 40-140       |
| Dichloromethane              | 8260C             | 19.5   | 20.0         | 97    | 40-140       |
| Ethylbenzene                 | 8260C             | 19.6   | 20.0         | 98    | 40-140       |
| Styrene                      | 8260C             | 18.9   | 20.0         | 95    | 40-140       |
| Tetrachloroethene (PCE)      | 8260C             | 18.7   | 20.0         | 94    | 40-140       |
| Toluene                      | 8260C             | 20.6   | 20.0         | 103   | 40-140       |
| Trichloroethene (TCE)        | 8260C             | 18.9   | 20.0         | 95    | 40-140       |
| Vinyl Chloride               | 8260C             | 20.2   | 20.0         | 101   | 40-140       |
| cis-1,2-Dichloroethene       | 8260C             | 18.9   | 20.0         | 95    | 40-140       |
| cis-1,3-Dichloropropene      | 8260C             | 16.7   | 20.0         | 84    | 40-140       |
| m,p-Xylenes                  | 8260C             | 38.7   | 40.0         | 97    | 40-140       |
| o-Xylene                     | 8260C             | 19.2   | 20.0         | 96    | 40-140       |

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Analyzed:** 04/26/18

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/Kg**Basis:**Dry**Lab Control Sample**

RQ1804029-03

| Analyte Name              | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|---------------------------|-------------------|--------|--------------|-------|--------------|
| trans-1,2-Dichloroethene  | 8260C             | 18.5   | 20.0         | 93    | 40-140       |
| trans-1,3-Dichloropropene | 8260C             | 15.8   | 20.0         | 79    | 40-140       |



## Semivolatile Organic Compounds by GC/MS

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675

**SURROGATE RECOVERY SUMMARY**  
**Semivolatile Organic Compounds by GC/MS**

**Analysis Method:** 8270D  
**Extraction Method:** EPA 3541

| Sample Name                  | Lab Code     | 2,4,6-Tribromophenol | 2-Fluorobiphenyl | 2-Fluorophenol |
|------------------------------|--------------|----------------------|------------------|----------------|
|                              |              | 13 - 128             | 10 - 102         | 16 - 129       |
| 7006-042418-1240             | R1803675-001 | 50                   | 41               | 42             |
| Method Blank                 | RQ1803885-01 | 56                   | 46               | 54             |
| Lab Control Sample           | RQ1803885-02 | 73                   | 67               | 62             |
| Duplicate Lab Control Sample | RQ1803885-03 | 68                   | 54               | 50             |

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675

**SURROGATE RECOVERY SUMMARY**  
**Semivolatile Organic Compounds by GC/MS**

**Analysis Method:** 8270D  
**Extraction Method:** EPA 3541

| Sample Name                  | Lab Code     | Nitrobenzene-d5 | Phenol-d6 | p-Terphenyl-d14 |
|------------------------------|--------------|-----------------|-----------|-----------------|
|                              |              | 10 - 95         | 10 - 145  | 16 - 126        |
| 7006-042418-1240             | R1803675-001 | 44              | 43        | 68              |
| Method Blank                 | RQ1803885-01 | 49              | 59        | 89              |
| Lab Control Sample           | RQ1803885-02 | 66              | 68        | 91              |
| Duplicate Lab Control Sample | RQ1803885-03 | 54              | 53        | 93              |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1803885-01

**Units:** ug/Kg  
**Basis:** Dry

**Semivolatile Organic Compounds by GC/MS**

**Analysis Method:** 8270D  
**Prep Method:** EPA 3541

| Analyte Name                    | Result | MRL  | Dil. | Date Analyzed  | Date Extracted | Q |
|---------------------------------|--------|------|------|----------------|----------------|---|
| 1,2,4-Trichlorobenzene          | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 1,2-Dichlorobenzene             | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 1,3-Dichlorobenzene             | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 1,4-Dichlorobenzene             | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2,4,5-Trichlorophenol           | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2,4,6-Trichlorophenol           | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2,4-Dichlorophenol              | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2,4-Dimethylphenol              | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2,4-Dinitrophenol               | ND U   | 1700 | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2,4-Dinitrotoluene              | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2,6-Dinitrotoluene              | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2-Chloronaphthalene             | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2-Chlorophenol                  | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2-Methylnaphthalene             | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2-Methylphenol                  | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2-Nitroaniline                  | ND U   | 1700 | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2-Nitrophenol                   | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 3,3'-Dichlorobenzidine          | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 3- and 4-Methylphenol Coelution | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 3-Nitroaniline                  | ND U   | 1700 | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 4,6-Dinitro-2-methylphenol      | ND U   | 1700 | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 4-Bromophenyl Phenyl Ether      | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 4-Chloro-3-methylphenol         | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 4-Chloroaniline                 | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 4-Chlorophenyl Phenyl Ether     | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 4-Nitroaniline                  | ND U   | 1700 | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 4-Nitrophenol                   | ND U   | 1700 | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Acenaphthene                    | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Acenaphthylene                  | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Anthracene                      | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Benz(a)anthracene               | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Benzo(a)pyrene                  | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Benzo(b)fluoranthene            | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Benzo(g,h,i)perylene            | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Benzo(k)fluoranthene            | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Benzyl Alcohol                  | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| 2,2'-Oxybis(1-chloropropane)    | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Bis(2-chloroethoxy)methane      | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Bis(2-chloroethyl) Ether        | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Bis(2-ethylhexyl) Phthalate     | ND U   | 500  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Butyl Benzyl Phthalate          | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Carbazole                       | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Chrysene                        | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1803885-01

**Units:** ug/Kg  
**Basis:** Dry

**Semivolatile Organic Compounds by GC/MS**

**Analysis Method:** 8270D  
**Prep Method:** EPA 3541

| Analyte Name              | Result | MRL  | Dil. | Date Analyzed  | Date Extracted | Q |
|---------------------------|--------|------|------|----------------|----------------|---|
| Di-n-butyl Phthalate      | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Di-n-octyl Phthalate      | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Dibenz(a,h)anthracene     | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Dibenzofuran              | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Diethyl Phthalate         | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Dimethyl Phthalate        | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Fluoranthene              | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Fluorene                  | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Hexachlorobenzene         | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Hexachlorobutadiene       | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Hexachlorocyclopentadiene | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Hexachloroethane          | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Indeno(1,2,3-cd)pyrene    | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Isophorone                | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| N-Nitrosodi-n-propylamine | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| N-Nitrosodimethylamine    | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| N-Nitrosodiphenylamine    | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Naphthalene               | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Nitrobenzene              | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Pentachlorophenol (PCP)   | ND U   | 1700 | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Phenanthrene              | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Phenol                    | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |
| Pyrene                    | ND U   | 330  | 1    | 04/25/18 17:19 | 4/25/18        |   |

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 2,4,6-Tribromophenol | 56    | 13 - 128       | 04/25/18 17:19 |   |
| 2-Fluorobiphenyl     | 46    | 10 - 102       | 04/25/18 17:19 |   |
| 2-Fluorophenol       | 54    | 16 - 129       | 04/25/18 17:19 |   |
| Nitrobenzene-d5      | 49    | 10 - 95        | 04/25/18 17:19 |   |
| Phenol-d6            | 59    | 10 - 145       | 04/25/18 17:19 |   |
| p-Terphenyl-d14      | 89    | 16 - 126       | 04/25/18 17:19 |   |

**ALS Group USA, Corp.**  
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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Analyzed:** 04/25/18

**Duplicate Lab Control Sample Summary**  
**Semivolatile Organic Compounds by GC/MS**

**Units:**ug/Kg  
**Basis:**Dry

| Analyte Name                    | Lab Control Sample<br>RQ1803885-02 |        |              |       | Duplicate Lab Control Sample<br>RQ1803885-03 |              |       |              |     |           |
|---------------------------------|------------------------------------|--------|--------------|-------|----------------------------------------------|--------------|-------|--------------|-----|-----------|
|                                 | Analytical Method                  | Result | Spike Amount | % Rec | Result                                       | Spike Amount | % Rec | % Rec Limits | RPD | RPD Limit |
| 1,2,4-Trichlorobenzene          | 8270D                              | 2050   | 3330         | 62    | 1740                                         | 3330         | 52    | 22-128       | 18  | 30        |
| 1,2-Dichlorobenzene             | 8270D                              | 1810   | 3330         | 54    | 1650                                         | 3330         | 50    | 24-117       | 8   | 30        |
| 1,3-Dichlorobenzene             | 8270D                              | 1720   | 3330         | 52    | 1570                                         | 3330         | 47    | 21-115       | 10  | 30        |
| 1,4-Dichlorobenzene             | 8270D                              | 1700   | 3330         | 51    | 1530                                         | 3330         | 46    | 20-117       | 10  | 30        |
| 2,4,5-Trichlorophenol           | 8270D                              | 2280   | 3330         | 68    | 1970                                         | 3330         | 59    | 32-104       | 14  | 30        |
| 2,4,6-Trichlorophenol           | 8270D                              | 2370   | 3330         | 71    | 2150                                         | 3330         | 64    | 30-101       | 10  | 30        |
| 2,4-Dichlorophenol              | 8270D                              | 2460   | 3330         | 74    | 1930                                         | 3330         | 58    | 39-135       | 24  | 30        |
| 2,4-Dimethylphenol              | 8270D                              | 2690   | 3330         | 81    | 2130                                         | 3330         | 64    | 31-135       | 23  | 30        |
| 2,4-Dinitrophenol               | 8270D                              | 686 J  | 3330         | 21    | 982 J                                        | 3330         | 29    | 10-128       | 32* | 30        |
| 2,4-Dinitrotoluene              | 8270D                              | 2580   | 3330         | 77    | 2530                                         | 3330         | 76    | 39-122       | 1   | 30        |
| 2,6-Dinitrotoluene              | 8270D                              | 2550   | 3330         | 76    | 2390                                         | 3330         | 72    | 34-122       | 5   | 30        |
| 2-Chloronaphthalene             | 8270D                              | 2390   | 3330         | 72    | 1910                                         | 3330         | 57    | 41-124       | 23  | 30        |
| 2-Chlorophenol                  | 8270D                              | 2250   | 3330         | 67    | 1820                                         | 3330         | 55    | 39-123       | 20  | 30        |
| 2-Methylnaphthalene             | 8270D                              | 2310   | 3330         | 69    | 1860                                         | 3330         | 56    | 33-125       | 21  | 30        |
| 2-Methylphenol                  | 8270D                              | 2400   | 3330         | 72    | 1910                                         | 3330         | 57    | 38-123       | 23  | 30        |
| 2-Nitroaniline                  | 8270D                              | 2770   | 3330         | 83    | 2580                                         | 3330         | 77    | 25-116       | 8   | 30        |
| 2-Nitrophenol                   | 8270D                              | 2340   | 3330         | 70    | 1840                                         | 3330         | 55    | 23-96        | 24  | 30        |
| 3,3'-Dichlorobenzidine          | 8270D                              | 2380   | 3330         | 71    | 2390                                         | 3330         | 72    | 25-105       | 1   | 30        |
| 3- and 4-Methylphenol Coelution | 8270D                              | 2510   | 3330         | 75    | 1940                                         | 3330         | 58    | 42-114       | 26  | 30        |
| 3-Nitroaniline                  | 8270D                              | 2200   | 3330         | 66    | 2050                                         | 3330         | 61    | 43-106       | 8   | 30        |
| 4,6-Dinitro-2-methylphenol      | 8270D                              | 1620 J | 3330         | 49    | 1580 J                                       | 3330         | 47    | 10-127       | 4   | 30        |
| 4-Bromophenyl Phenyl Ether      | 8270D                              | 2430   | 3330         | 73    | 2320                                         | 3330         | 70    | 40-102       | 4   | 30        |
| 4-Chloro-3-methylphenol         | 8270D                              | 2750   | 3330         | 83    | 2390                                         | 3330         | 72    | 42-140       | 14  | 30        |
| 4-Chloroaniline                 | 8270D                              | 2150   | 3330         | 65    | 1600                                         | 3330         | 48    | 34-101       | 30  | 30        |
| 4-Chlorophenyl Phenyl Ether     | 8270D                              | 2560   | 3330         | 77    | 2350                                         | 3330         | 70    | 39-100       | 10  | 30        |
| 4-Nitroaniline                  | 8270D                              | 2200   | 3330         | 66    | 2200                                         | 3330         | 66    | 35-112       | <1  | 30        |
| 4-Nitrophenol                   | 8270D                              | 2310   | 3330         | 69    | 2380                                         | 3330         | 71    | 34-123       | 3   | 30        |
| Acenaphthene                    | 8270D                              | 2370   | 3330         | 71    | 2060                                         | 3330         | 62    | 32-100       | 14  | 30        |
| Acenaphthylene                  | 8270D                              | 2510   | 3330         | 75    | 2130                                         | 3330         | 64    | 33-100       | 16  | 30        |
| Anthracene                      | 8270D                              | 2720   | 3330         | 82    | 2700                                         | 3330         | 81    | 46-103       | 1   | 30        |
| Benz(a)anthracene               | 8270D                              | 2760   | 3330         | 83    | 2790                                         | 3330         | 84    | 32-105       | 1   | 30        |
| Benzo(a)pyrene                  | 8270D                              | 2790   | 3330         | 84    | 2930                                         | 3330         | 88    | 48-110       | 5   | 30        |
| Benzo(b)fluoranthene            | 8270D                              | 2630   | 3330         | 79    | 2690                                         | 3330         | 81    | 44-107       | 3   | 30        |



**ALS Group USA, Corp.**  
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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Analyzed:** 04/25/18

**Duplicate Lab Control Sample Summary**  
**Semivolatile Organic Compounds by GC/MS**

**Units:**ug/Kg  
**Basis:**Dry

| Lab Control Sample<br>RQ1803885-02 |                   |        |              |       | Duplicate Lab Control Sample<br>RQ1803885-03 |              |       |              |     |           |
|------------------------------------|-------------------|--------|--------------|-------|----------------------------------------------|--------------|-------|--------------|-----|-----------|
| Analyte Name                       | Analytical Method | Result | Spike Amount | % Rec | Result                                       | Spike Amount | % Rec | % Rec Limits | RPD | RPD Limit |
| Benzo(g,h,i)perylene               | 8270D             | 2960   | 3330         | 89    | 3000                                         | 3330         | 90    | 49-120       | 1   | 30        |
| Benzo(k)fluoranthene               | 8270D             | 2750   | 3330         | 83    | 2810                                         | 3330         | 84    | 46-107       | 1   | 30        |
| Benzyl Alcohol                     | 8270D             | 2660   | 3330         | 80    | 2120                                         | 3330         | 63    | 21-100       | 24  | 30        |
| 2,2'-Oxybis(1-chloropropane)       | 8270D             | 2520   | 3330         | 75 *  | 2150                                         | 3330         | 65 *  | 13-63        | 14  | 30        |
| Bis(2-chloroethoxy)methane         | 8270D             | 2520   | 3330         | 76    | 2020                                         | 3330         | 61    | 28-91        | 22  | 30        |
| Bis(2-chloroethyl) Ether           | 8270D             | 2210   | 3330         | 66 *  | 1880                                         | 3330         | 56    | 13-63        | 16  | 30        |
| Bis(2-ethylhexyl) Phthalate        | 8270D             | 3100   | 3330         | 93    | 3110                                         | 3330         | 93    | 35-119       | <1  | 30        |
| Butyl Benzyl Phthalate             | 8270D             | 2870   | 3330         | 86    | 2830                                         | 3330         | 85    | 47-117       | 1   | 30        |
| Carbazole                          | 8270D             | 2690   | 3330         | 81    | 2860                                         | 3330         | 86    | 41-112       | 6   | 30        |
| Chrysene                           | 8270D             | 2850   | 3330         | 85    | 2840                                         | 3330         | 85    | 48-111       | <1  | 30        |
| Di-n-butyl Phthalate               | 8270D             | 2730   | 3330         | 82    | 2780                                         | 3330         | 83    | 51-120       | 1   | 30        |
| Di-n-octyl Phthalate               | 8270D             | 3180   | 3330         | 95    | 3190                                         | 3330         | 96    | 47-127       | 1   | 30        |
| Dibenz(a,h)anthracene              | 8270D             | 2730   | 3330         | 82    | 2800                                         | 3330         | 84    | 46-114       | 2   | 30        |
| Dibenzofuran                       | 8270D             | 2490   | 3330         | 75    | 2180                                         | 3330         | 65    | 34-97        | 14  | 30        |
| Diethyl Phthalate                  | 8270D             | 2320   | 3330         | 70    | 2260                                         | 3330         | 68    | 45-108       | 3   | 30        |
| Dimethyl Phthalate                 | 8270D             | 2230   | 3330         | 67    | 2150                                         | 3330         | 64    | 41-101       | 5   | 30        |
| Fluoranthene                       | 8270D             | 2700   | 3330         | 81    | 2820                                         | 3330         | 85    | 45-113       | 5   | 30        |
| Fluorene                           | 8270D             | 2440   | 3330         | 73    | 2250                                         | 3330         | 68    | 38-101       | 7   | 30        |
| Hexachlorobenzene                  | 8270D             | 2480   | 3330         | 74    | 2590                                         | 3330         | 78    | 41-106       | 5   | 30        |
| Hexachlorobutadiene                | 8270D             | 2040   | 3330         | 61    | 1730                                         | 3330         | 52    | 10-142       | 16  | 30        |
| Hexachlorocyclopentadiene          | 8270D             | 1470   | 3330         | 44    | 1130                                         | 3330         | 34    | 10-133       | 26  | 30        |
| Hexachloroethane                   | 8270D             | 1760   | 3330         | 53    | 1620                                         | 3330         | 49    | 10-129       | 8   | 30        |
| Indeno(1,2,3-cd)pyrene             | 8270D             | 2800   | 3330         | 84    | 2880                                         | 3330         | 86    | 46-115       | 2   | 30        |
| Isophorone                         | 8270D             | 2400   | 3330         | 72    | 1940                                         | 3330         | 58    | 27-95        | 22  | 30        |
| N-Nitrosodi-n-propylamine          | 8270D             | 2400   | 3330         | 72    | 1950                                         | 3330         | 58    | 21-89        | 22  | 30        |
| N-Nitrosodimethylamine             | 8270D             | 2060   | 3330         | 62    | 1720                                         | 3330         | 52    | 23-115       | 18  | 30        |
| N-Nitrosodiphenylamine             | 8270D             | 2750   | 3330         | 82    | 2770                                         | 3330         | 83    | 37-116       | 1   | 30        |
| Naphthalene                        | 8270D             | 2190   | 3330         | 66    | 1820                                         | 3330         | 55    | 31-123       | 18  | 30        |
| Nitrobenzene                       | 8270D             | 2090   | 3330         | 63    | 1750                                         | 3330         | 53    | 35-134       | 17  | 30        |
| Pentachlorophenol (PCP)            | 8270D             | 1310 J | 3330         | 39    | 1310 J                                       | 3330         | 39    | 10-137       | <1  | 30        |
| Phenanthrene                       | 8270D             | 2630   | 3330         | 79    | 2650                                         | 3330         | 80    | 45-106       | 1   | 30        |
| Phenol                             | 8270D             | 2480   | 3330         | 74    | 2010                                         | 3330         | 60    | 10-144       | 21  | 30        |
| Pyrene                             | 8270D             | 2970   | 3330         | 89    | 2990                                         | 3330         | 90    | 48-117       | 1   | 30        |



## Semivolatile Organic Compounds by GC

**ALS Environmental—Rochester Laboratory**

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ALS Group USA, Corp.  
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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675

**SURROGATE RECOVERY SUMMARY**  
**Organochlorine Pesticides by Gas Chromatography**

**Analysis Method:** 8081B  
**Extraction Method:** EPA 3541

| Sample Name                  | Lab Code     | Decachlorobiphenyl | Tetrachloro-m-xylene |
|------------------------------|--------------|--------------------|----------------------|
|                              |              | 10 - 122           | 10 - 123             |
| 7006-042418-1240             | R1803675-001 | 92                 | 55                   |
| Method Blank                 | RQ1803886-01 | 93                 | 62                   |
| Lab Control Sample           | RQ1803886-02 | 83                 | 65                   |
| Duplicate Lab Control Sample | RQ1803886-03 | 85                 | 67                   |
| 7006-042418-1240 MS          | RQ1803886-04 | 96                 | 54                   |
| 7006-042418-1240 DMS         | RQ1803886-05 | 86                 | 49                   |

ALS Group USA, Corp.  
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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** 04/24/18  
**Date Received:** 04/24/18  
**Date Analyzed:** 04/30/18  
**Date Extracted:** 04/25/18

**Duplicate Matrix Spike Summary**  
**Organochlorine Pesticides by Gas Chromatography**

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001  
**Analysis Method:** 8081B  
**Prep Method:** EPA 3541

**Units:** ug/Kg  
**Basis:** Dry

| Analyte Name        | Sample Result | Matrix Spike<br>RQ1803886-04 |              |       | Duplicate Matrix Spike<br>RQ1803886-05 |              |       | % Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------------------|--------------|-------|----------------------------------------|--------------|-------|--------------|-----|-----------|
|                     |               | Result                       | Spike Amount | % Rec | Result                                 | Spike Amount | % Rec |              |     |           |
| 4,4'-DDD            | ND U          | 9.69                         | 7.92         | 122   | 8.97                                   | 7.91         | 113   | 10-165       | 8   | 30        |
| 4,4'-DDE            | ND U          | 10.6                         | 7.92         | 135   | 9.86                                   | 7.91         | 125   | 10-165       | 8   | 30        |
| 4,4'-DDT            | ND U          | 9.64                         | 7.92         | 122   | 8.55                                   | 7.91         | 108   | 10-163       | 12  | 30        |
| Aldrin              | ND U          | 5.97                         | 7.92         | 75    | 5.46                                   | 7.91         | 69    | 10-167       | 9   | 30        |
| Dieldrin            | ND U          | 8.73                         | 7.92         | 110   | 8.22                                   | 7.91         | 104   | 24-140       | 6   | 30        |
| Endosulfan I        | ND U          | 8.37                         | 7.92         | 106   | 8.24                                   | 7.91         | 104   | 13-145       | 2   | 30        |
| Endosulfan II       | ND U          | 9.06                         | 7.92         | 115   | 8.54                                   | 7.91         | 108   | 12-178       | 6   | 30        |
| Endosulfan Sulfate  | ND U          | 9.23                         | 7.92         | 117   | 8.32                                   | 7.91         | 105   | 15-157       | 10  | 30        |
| Endrin              | ND U          | 8.80                         | 7.92         | 111   | 8.49                                   | 7.91         | 107   | 16-153       | 4   | 30        |
| Endrin Aldehyde     | ND U          | 6.65                         | 7.92         | 84    | 6.13                                   | 7.91         | 78    | 10-161       | 8   | 30        |
| Endrin Ketone       | ND U          | 9.00                         | 7.92         | 114   | 8.21                                   | 7.91         | 104   | 17-161       | 9   | 30        |
| Heptachlor          | ND U          | 7.19                         | 7.92         | 91    | 7.21                                   | 7.91         | 91    | 10-160       | <1  | 30        |
| Heptachlor Epoxide  | ND U          | 8.03                         | 7.92         | 102   | 7.91                                   | 7.91         | 100   | 10-166       | 1   | 30        |
| Methoxychlor        | ND U          | 8.76                         | 7.92         | 111   | 7.75                                   | 7.91         | 98    | 10-192       | 12  | 30        |
| alpha-BHC           | ND U          | 6.04                         | 7.92         | 76    | 5.86                                   | 7.91         | 74    | 10-149       | 3   | 30        |
| alpha-Chlordane     | ND U          | 8.65                         | 7.92         | 109   | 8.34                                   | 7.91         | 105   | 10-180       | 4   | 30        |
| beta-BHC            | ND U          | 7.04                         | 7.92         | 89    | 6.79                                   | 7.91         | 86    | 10-176       | 4   | 30        |
| delta-BHC           | ND U          | 8.87                         | 7.92         | 112   | 8.68                                   | 7.91         | 110   | 17-138       | 2   | 30        |
| gamma-BHC (Lindane) | ND U          | 6.84                         | 7.92         | 86    | 6.74                                   | 7.91         | 85    | 10-141       | 1   | 30        |
| gamma-Chlordane     | ND U          | 8.46                         | 7.92         | 107   | 8.79                                   | 7.91         | 111   | 14-139       | 4   | 30        |

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1803886-01

**Units:** ug/Kg  
**Basis:** Dry

**Organochlorine Pesticides by Gas Chromatography**

**Analysis Method:** 8081B  
**Prep Method:** EPA 3541

| Analyte Name        | Result | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|---------------------|--------|-----|------|----------------|----------------|---|
| 4,4'-DDD            | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| 4,4'-DDE            | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| 4,4'-DDT            | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| Aldrin              | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| Dieldrin            | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| Endosulfan I        | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| Endosulfan II       | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| Endosulfan Sulfate  | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| Endrin              | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| Endrin Aldehyde     | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| Endrin Ketone       | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| Heptachlor          | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| Heptachlor Epoxide  | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| Methoxychlor        | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| Toxaphene           | ND U   | 17  | 1    | 04/30/18 15:42 | 4/25/18        |   |
| alpha-BHC           | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| alpha-Chlordane     | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| beta-BHC            | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| delta-BHC           | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| gamma-BHC (Lindane) | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |
| gamma-Chlordane     | ND U   | 1.7 | 1    | 04/30/18 15:42 | 4/25/18        |   |

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| Decachlorobiphenyl   | 93    | 10 - 122       | 04/30/18 15:42 |   |
| Tetrachloro-m-xylene | 62    | 10 - 123       | 04/30/18 15:42 |   |

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Analyzed:** 04/30/18

**Duplicate Lab Control Sample Summary**  
**Organochlorine Pesticides by Gas Chromatography**

**Units:**ug/Kg  
**Basis:**Dry

| Lab Control Sample<br>RQ1803886-02 |                   |        |              |       | Duplicate Lab Control Sample<br>RQ1803886-03 |              |       |              |     |           |
|------------------------------------|-------------------|--------|--------------|-------|----------------------------------------------|--------------|-------|--------------|-----|-----------|
| Analyte Name                       | Analytical Method | Result | Spike Amount | % Rec | Result                                       | Spike Amount | % Rec | % Rec Limits | RPD | RPD Limit |
| 4,4'-DDD                           | 8081B             | 6.45   | 6.67         | 97    | 6.72                                         | 6.67         | 101   | 17-138       | 4   | 30        |
| 4,4'-DDE                           | 8081B             | 6.95   | 6.67         | 104   | 7.18                                         | 6.67         | 108   | 35-125       | 3   | 30        |
| 4,4'-DDT                           | 8081B             | 7.42   | 6.67         | 111   | 7.78                                         | 6.67         | 117   | 34-123       | 5   | 30        |
| Aldrin                             | 8081B             | 5.89   | 6.67         | 88    | 6.10                                         | 6.67         | 92    | 10-103       | 3   | 30        |
| Dieldrin                           | 8081B             | 6.34   | 6.67         | 95    | 6.58                                         | 6.67         | 99    | 22-120       | 4   | 30        |
| Endosulfan I                       | 8081B             | 6.26   | 6.67         | 94    | 6.50                                         | 6.67         | 98    | 30-108       | 4   | 30        |
| Endosulfan II                      | 8081B             | 6.43   | 6.67         | 97    | 6.73                                         | 6.67         | 101   | 26-122       | 4   | 30        |
| Endosulfan Sulfate                 | 8081B             | 6.43   | 6.67         | 97    | 6.67                                         | 6.67         | 100   | 22-121       | 4   | 30        |
| Endrin                             | 8081B             | 6.30   | 6.67         | 94    | 6.57                                         | 6.67         | 99    | 42-133       | 4   | 30        |
| Endrin Aldehyde                    | 8081B             | 2.67   | 6.67         | 40    | 2.84                                         | 6.67         | 43    | 10-73        | 6   | 30        |
| Endrin Ketone                      | 8081B             | 6.08   | 6.67         | 91    | 6.25                                         | 6.67         | 94    | 36-116       | 3   | 30        |
| Heptachlor                         | 8081B             | 5.88   | 6.67         | 88    | 6.20                                         | 6.67         | 93    | 31-115       | 5   | 30        |
| Heptachlor Epoxide                 | 8081B             | 6.15   | 6.67         | 92    | 6.40                                         | 6.67         | 96    | 27-131       | 4   | 30        |
| Methoxychlor                       | 8081B             | 6.82   | 6.67         | 102   | 7.10                                         | 6.67         | 107   | 32-148       | 4   | 30        |
| alpha-BHC                          | 8081B             | 5.69   | 6.67         | 85    | 5.84                                         | 6.67         | 88    | 19-126       | 2   | 30        |
| alpha-Chlordane                    | 8081B             | 6.28   | 6.67         | 94    | 6.55                                         | 6.67         | 98    | 31-104       | 4   | 30        |
| beta-BHC                           | 8081B             | 6.07   | 6.67         | 91    | 6.35                                         | 6.67         | 95    | 28-123       | 4   | 30        |
| delta-BHC                          | 8081B             | 6.48   | 6.67         | 97    | 6.62                                         | 6.67         | 99    | 17-126       | 2   | 30        |
| gamma-BHC (Lindane)                | 8081B             | 5.91   | 6.67         | 89    | 6.11                                         | 6.67         | 92    | 23-125       | 3   | 30        |
| gamma-Chlordane                    | 8081B             | 6.31   | 6.67         | 95    | 6.53                                         | 6.67         | 98    | 28-107       | 3   | 30        |

ALS Group USA, Corp.  
dba ALS Environmental

QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675

**SURROGATE RECOVERY SUMMARY**  
**Polychlorinated Biphenyls (PCBs) by GC**

**Analysis Method:** 8082A  
**Extraction Method:** EPA 3541

| Sample Name                  | Lab Code     | Decachlorobiphenyl | Tetrachloro-m-xylene |
|------------------------------|--------------|--------------------|----------------------|
|                              |              | 22 - 128           | 14 - 119             |
| 7006-042418-1240             | R1803675-001 | 78                 | 57                   |
| Method Blank                 | RQ1803886-01 | 70                 | 72                   |
| Lab Control Sample           | RQ1803886-02 | 70                 | 70                   |
| Duplicate Lab Control Sample | RQ1803886-03 | 83                 | 87                   |
| 7006-042418-1240 MS          | RQ1803886-06 | 79                 | 59                   |
| 7006-042418-1240 DMS         | RQ1803886-07 | 77                 | 47                   |

ALS Group USA, Corp.  
dba ALS Environmental

QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** 04/24/18  
**Date Received:** 04/24/18  
**Date Analyzed:** 04/27/18  
**Date Extracted:** 04/25/18

**Duplicate Matrix Spike Summary**  
**Polychlorinated Biphenyls (PCBs) by GC**

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001  
**Analysis Method:** 8082A  
**Prep Method:** EPA 3541

**Units:** ug/Kg  
**Basis:** Dry

| Analyte Name | Sample Result | Matrix Spike |              |       | Duplicate Matrix Spike |              |       |              |     |           |
|--------------|---------------|--------------|--------------|-------|------------------------|--------------|-------|--------------|-----|-----------|
|              |               | RQ1803886-06 |              |       | RQ1803886-07           |              |       |              |     |           |
|              |               | Result       | Spike Amount | % Rec | Result                 | Spike Amount | % Rec | % Rec Limits | RPD | RPD Limit |
| Aroclor 1016 | ND U          | 173          | 198          | 87    | 152                    | 198          | 77    | 18-144       | 13  | 30        |
| Aroclor 1260 | ND U          | 206          | 198          | 104   | 180                    | 198          | 91    | 19-162       | 14  | 30        |

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.



ALS Group USA, Corp.  
dba ALS Environmental

Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1803886-01

**Units:** ug/Kg  
**Basis:** Dry

Polychlorinated Biphenyls (PCBs) by GC

**Analysis Method:** 8082A  
**Prep Method:** EPA 3541

| Analyte Name | Result | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|--------------|--------|-----|------|----------------|----------------|---|
| Aroclor 1016 | ND U   | 33  | 1    | 04/27/18 14:00 | 4/25/18        |   |
| Aroclor 1221 | ND U   | 67  | 1    | 04/27/18 14:00 | 4/25/18        |   |
| Aroclor 1232 | ND U   | 33  | 1    | 04/27/18 14:00 | 4/25/18        |   |
| Aroclor 1242 | ND U   | 33  | 1    | 04/27/18 14:00 | 4/25/18        |   |
| Aroclor 1248 | ND U   | 33  | 1    | 04/27/18 14:00 | 4/25/18        |   |
| Aroclor 1254 | ND U   | 33  | 1    | 04/27/18 14:00 | 4/25/18        |   |
| Aroclor 1260 | ND U   | 33  | 1    | 04/27/18 14:00 | 4/25/18        |   |

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| Decachlorobiphenyl   | 70    | 22 - 128       | 04/27/18 14:00 |   |
| Tetrachloro-m-xylene | 72    | 14 - 119       | 04/27/18 14:00 |   |

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Analyzed:** 04/27/18

**Duplicate Lab Control Sample Summary**  
**Polychlorinated Biphenyls (PCBs) by GC**

**Units:**ug/Kg  
**Basis:**Dry

| Lab Control Sample |                   |        |              |       | Duplicate Lab Control Sample |              |       |              |     |           |
|--------------------|-------------------|--------|--------------|-------|------------------------------|--------------|-------|--------------|-----|-----------|
| RQ1803886-02       |                   |        |              |       | RQ1803886-03                 |              |       |              |     |           |
| Analyte Name       | Analytical Method | Result | Spike Amount | % Rec | Result                       | Spike Amount | % Rec | % Rec Limits | RPD | RPD Limit |
| Aroclor 1016       | 8082A             | 118    | 167          | 71    | 157                          | 167          | 94    | 43-129       | 29  | 30        |
| Aroclor 1260       | 8082A             | 130    | 167          | 78    | 162                          | 167          | 97    | 49-135       | 22  | 30        |



## Metals

**ALS Environmental—Rochester Laboratory**

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil  
  
**Sample Name:** Method Blank  
**Lab Code:** R1803675-MB

**Service Request:** R1803675  
**Date Collected:** NA  
**Date Received:** NA  
  
**Basis:** Dry

Inorganic Parameters

| Analyte Name     | Analysis Method | Result | Units | MRL   | Dil. | Date Analyzed  | Date Extracted | Q |
|------------------|-----------------|--------|-------|-------|------|----------------|----------------|---|
| Arsenic, Total   | 6010C           | ND U   | mg/Kg | 1.0   | 1    | 04/27/18 12:22 | 04/25/18       |   |
| Barium, Total    | 6010C           | ND U   | mg/Kg | 2.0   | 1    | 04/27/18 12:22 | 04/25/18       |   |
| Beryllium, Total | 6010C           | ND U   | mg/Kg | 0.30  | 1    | 04/27/18 12:22 | 04/25/18       |   |
| Cadmium, Total   | 6010C           | ND U   | mg/Kg | 0.50  | 1    | 04/27/18 12:22 | 04/25/18       |   |
| Chromium, Total  | 6010C           | ND U   | mg/Kg | 1.0   | 1    | 04/27/18 12:22 | 04/25/18       |   |
| Copper, Total    | 6010C           | ND U   | mg/Kg | 2.0   | 1    | 04/27/18 12:22 | 04/25/18       |   |
| Lead, Total      | 6010C           | ND U   | mg/Kg | 5.0   | 1    | 04/27/18 12:22 | 04/25/18       |   |
| Manganese, Total | 6010C           | ND U   | mg/Kg | 2.0   | 1    | 04/27/18 12:22 | 04/25/18       |   |
| Mercury, Total   | 7471B           | ND U   | mg/Kg | 0.033 | 1    | 04/26/18 16:57 | 04/25/18       |   |
| Nickel, Total    | 6010C           | ND U   | mg/Kg | 4.0   | 1    | 04/27/18 12:22 | 04/25/18       |   |
| Selenium, Total  | 6010C           | ND U   | mg/Kg | 1.0   | 1    | 04/27/18 12:22 | 04/25/18       |   |
| Silver, Total    | 6010C           | ND U   | mg/Kg | 1.0   | 1    | 04/27/18 12:22 | 04/25/18       |   |
| Zinc, Total      | 6010C           | ND U   | mg/Kg | 2.0   | 1    | 04/27/18 12:22 | 04/25/18       |   |

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Analyzed:** 04/26/18 - 04/27/18

**Lab Control Sample Summary**  
**Inorganic Parameters**

**Units:**mg/Kg  
**Basis:**Dry

**Lab Control Sample**  
R1803675-LCS

| Analyte Name     | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|------------------|-------------------|--------|--------------|-------|--------------|
| Arsenic, Total   | 6010C             | 3.80   | 4.0          | 95    | 80-120       |
| Barium, Total    | 6010C             | 202    | 200          | 101   | 80-120       |
| Beryllium, Total | 6010C             | 4.68   | 5.00         | 94    | 80-120       |
| Cadmium, Total   | 6010C             | 4.99   | 5.00         | 100   | 80-120       |
| Chromium, Total  | 6010C             | 20.1   | 20.0         | 101   | 80-120       |
| Copper, Total    | 6010C             | 23.9   | 25.0         | 96    | 80-120       |
| Lead, Total      | 6010C             | 49.2   | 50.0         | 98    | 80-120       |
| Manganese, Total | 6010C             | 49.3   | 50.0         | 99    | 80-120       |
| Mercury, Total   | 7471B             | 0.172  | 0.167        | 103   | 80-120       |
| Nickel, Total    | 6010C             | 48.5   | 50.0         | 97    | 80-120       |
| Selenium, Total  | 6010C             | 91.0   | 101          | 90    | 80-120       |
| Silver, Total    | 6010C             | 4.70   | 5.0          | 94    | 80-120       |
| Zinc, Total      | 6010C             | 46.7   | 50.0         | 93    | 80-120       |



## General Chemistry

**ALS Environmental—Rochester Laboratory**

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil  
  
**Sample Name:** Method Blank  
**Lab Code:** R1803675-MB

**Service Request:** R1803675  
**Date Collected:** NA  
**Date Received:** NA  
  
**Basis:** Dry

Inorganic Parameters

| Analyte Name         | Analysis Method | Result | Units | MRL  | Dil. | Date Analyzed  | Date Extracted | Q |
|----------------------|-----------------|--------|-------|------|------|----------------|----------------|---|
| Chromium, Hexavalent | 7199            | ND U   | mg/Kg | 0.40 | 1    | 05/01/18 18:34 | 05/01/18       |   |
| Chromium, Hexavalent | 7199            | ND U   | mg/Kg | 0.40 | 1    | 05/01/18 18:26 | 05/01/18       |   |

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## QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** 04/24/18  
**Date Received:** 04/24/18  
**Date Analyzed:** 05/1/18  
**Date Extracted:** 05/1/18

**Matrix Spike Summary  
Chromium, Hexavalent**

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001  
**Analysis Method:** 7199  
**Prep Method:** EPA 3060A

**Units:** mg/Kg  
**Basis:** Dry

**Matrix Spike  
R1803675-001MS1**

| Analyte Name         | Sample Result | Result | Spike Amount | % Rec | % Rec Limits |
|----------------------|---------------|--------|--------------|-------|--------------|
| Chromium, Hexavalent | ND U          | 41.0   | 45.7         | 90    | 75-125       |
| Chromium, Hexavalent | ND U          | 41.0   | 45.7         | 90    | 75-125       |

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.



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## QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** 04/24/18  
**Date Received:** 04/24/18  
**Date Analyzed:** 05/1/18  
**Date Extracted:** 05/1/18

**Matrix Spike Summary  
Chromium, Hexavalent**

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001  
**Analysis Method:** 7199  
**Prep Method:** EPA 3060A

**Units:** mg/Kg  
**Basis:** Dry

**Matrix Spike  
R1803675-001MS2**

| Analyte Name         | Sample Result | Result | Spike Amount | % Rec | % Rec Limits |
|----------------------|---------------|--------|--------------|-------|--------------|
| Chromium, Hexavalent | ND U          | 794    | 787          | 101   | 75-125       |
| Chromium, Hexavalent | ND U          | 753    | 787          | 96    | 75-125       |

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** 04/24/18  
**Date Received:** 04/24/18  
**Date Analyzed:** 05/01/18

**Replicate Sample Summary**  
**General Chemistry Parameters**

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001

**Units:** mg/Kg  
**Basis:** Dry

|                      |                            |            |                          | <b>Duplicate<br/>Sample<br/>R1803675-<br/>001DUP</b> |                |            |                  |
|----------------------|----------------------------|------------|--------------------------|------------------------------------------------------|----------------|------------|------------------|
| <b>Analyte Name</b>  | <b>Analysis<br/>Method</b> | <b>MRL</b> | <b>Sample<br/>Result</b> | <b>Result</b>                                        | <b>Average</b> | <b>RPD</b> | <b>RPD Limit</b> |
| Chromium, Hexavalent | 7199                       | 0.46       | ND U                     | ND U                                                 | NC             | NC         | 20               |
| Chromium, Hexavalent | 7199                       | 0.46       | ND U                     | ND U                                                 | NC             | NC         | 20               |

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Collected:** 04/24/18  
**Date Received:** 04/24/18  
**Date Analyzed:** 04/27/18

**Replicate Sample Summary**  
**General Chemistry Parameters**

**Sample Name:** 7006-042418-1240  
**Lab Code:** R1803675-001

**Units:** Percent  
**Basis:** As Received

|                     |                            |            |                          | <b>Duplicate<br/>Sample<br/>R1803675-<br/>001DUP</b> |                |            |                  |
|---------------------|----------------------------|------------|--------------------------|------------------------------------------------------|----------------|------------|------------------|
| <b>Analyte Name</b> | <b>Analysis<br/>Method</b> | <b>MRL</b> | <b>Sample<br/>Result</b> | <b>Result</b>                                        | <b>Average</b> | <b>RPD</b> | <b>RPD Limit</b> |
| Total Solids        | ALS SOP                    | -          | 84.2                     | 84.5                                                 | 84.3           | <1         | 20               |

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**ALS Group USA, Corp.**

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Soil

**Service Request:** R1803675  
**Date Analyzed:** 05/01/18

**Lab Control Sample Summary**  
**General Chemistry Parameters**

**Units:**mg/Kg**Basis:**Dry**Lab Control Sample**

R1803675-LCS

| <b>Analyte Name</b>  | <b>Analytical Method</b> | <b>Result</b> | <b>Spike Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> |
|----------------------|--------------------------|---------------|---------------------|--------------|---------------------|
| Chromium, Hexavalent | 7199                     | 645           | 650                 | 99           | 80-120              |
| Chromium, Hexavalent | 7199                     | 644           | 650                 | 99           | 80-120              |

## **APPENDIX G**

### **CAMP Data**

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 13:11 | 0                     | 0.006                                                           |
| 5/3/2018 13:12 | 0                     | 0.0055                                                          |
| 5/3/2018 13:13 | 0                     | 0.0053                                                          |
| 5/3/2018 13:14 | 0                     | 0.0053                                                          |
| 5/3/2018 13:15 | 0                     | 0.0052                                                          |
| 5/3/2018 13:16 | 0                     | 0.0052                                                          |
| 5/3/2018 13:17 | 0                     | 0.0051                                                          |
| 5/3/2018 13:18 | 0.0001                | 0.0053                                                          |
| 5/3/2018 13:19 | 0.0002                | 0.0053                                                          |
| 5/3/2018 13:20 | 0.0004                | 0.0054                                                          |
| 5/3/2018 13:20 |                       |                                                                 |
| 5/3/2018 13:21 | 0.0004                | 0.0054                                                          |
| 5/3/2018 13:22 | 0.0007                | 0.0053                                                          |
| 5/3/2018 13:23 | 0.0009                | 0.0053                                                          |
| 5/3/2018 13:24 | 0.0009                | 0.0053                                                          |
| 5/3/2018 13:25 | 0.001                 | 0.0053                                                          |
| 5/3/2018 13:26 | 0.001                 | 0.0052                                                          |
| 5/3/2018 13:27 | 0.001                 | 0.0053                                                          |
| 5/3/2018 13:28 | 0.001                 | 0.0053                                                          |
| 5/3/2018 13:29 | 0.001                 | 0.0053                                                          |
| 5/3/2018 13:30 | 0.001                 | 0.0053                                                          |
| 5/3/2018 13:31 | 0.001                 | 0.0053                                                          |
| 5/3/2018 13:32 | 0.001                 | 0.0054                                                          |
| 5/3/2018 13:33 | 0.0009                | 0.0053                                                          |
| 5/3/2018 13:34 | 0.0009                | 0.0053                                                          |
| 5/3/2018 13:35 | 0.0007                | 0.0053                                                          |
| 5/3/2018 13:36 | 0.0006                | 0.0053                                                          |
| 5/3/2018 13:37 | 0.0003                | 0.0053                                                          |
| 5/3/2018 13:38 | 0.0001                | 0.0053                                                          |
| 5/3/2018 13:39 | 0.0001                | 0.0053                                                          |
| 5/3/2018 13:40 | 0                     | 0.0053                                                          |
| 5/3/2018 13:41 | 0                     | 0.0053                                                          |
| 5/3/2018 13:42 | 0                     | 0.0052                                                          |
| 5/3/2018 13:43 | 0                     | 0.0052                                                          |
| 5/3/2018 13:44 | 0                     | 0.0053                                                          |
| 5/3/2018 13:45 | 0                     | 0.0053                                                          |
| 5/3/2018 13:46 | 0                     | 0.0053                                                          |
| 5/3/2018 13:47 | 0                     | 0.0053                                                          |
| 5/3/2018 13:48 | 0                     | 0.0053                                                          |
| 5/3/2018 13:49 | 0                     | 0.0052                                                          |
| 5/3/2018 13:50 | 0                     | 0.0053                                                          |
| 5/3/2018 13:51 | 0                     | 0.0053                                                          |
| 5/3/2018 13:52 | 0                     | 0.0053                                                          |
| 5/3/2018 13:53 | 0                     | 0.0053                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 13:54 | 0                     | 0.0054                                                          |
| 5/3/2018 13:55 | 0                     | 0.0055                                                          |
| 5/3/2018 13:56 | 0                     | 0.0055                                                          |
| 5/3/2018 13:57 | 0                     | 0.0056                                                          |
| 5/3/2018 13:58 | 0                     | 0.0056                                                          |
| 5/3/2018 13:59 | 0                     | 0.0056                                                          |
| 5/3/2018 14:00 | 0                     | 0.0056                                                          |
| 5/3/2018 14:01 | 0                     | 0.0057                                                          |
| 5/3/2018 14:02 | 0                     | 0.0057                                                          |
| 5/3/2018 14:03 | 0                     | 0.0058                                                          |
| 5/3/2018 14:04 | 0                     | 0.0059                                                          |
| 5/3/2018 14:05 | 0                     | 0.0059                                                          |
| 5/3/2018 14:06 | 0                     | 0.0059                                                          |
| 5/3/2018 14:07 | 0                     | 0.006                                                           |
| 5/3/2018 14:08 | 0                     | 0.006                                                           |
| 5/3/2018 14:09 | 0                     | 0.006                                                           |
| 5/3/2018 14:10 | 0                     | 0.0061                                                          |
| 5/3/2018 14:11 | 0                     | 0.0061                                                          |
| 5/3/2018 14:12 | 0                     | 0.0061                                                          |
| 5/3/2018 14:13 | 0                     | 0.0062                                                          |
| 5/3/2018 14:14 | 0                     | 0.0062                                                          |
| 5/3/2018 14:15 | 0                     | 0.0062                                                          |
| 5/3/2018 14:16 | 0                     | 0.0062                                                          |
| 5/3/2018 14:17 | 0                     | 0.0064                                                          |
| 5/3/2018 14:18 | 0                     | 0.0064                                                          |
| 5/3/2018 14:19 | 0                     | 0.0064                                                          |
| 5/3/2018 14:20 | 0                     | 0.0064                                                          |
| 5/3/2018 14:21 | 0                     | 0.0064                                                          |
| 5/3/2018 14:22 | 0                     | 0.0064                                                          |
| 5/3/2018 14:23 | 0                     | 0.0064                                                          |
| 5/3/2018 14:24 | 0                     | 0.0064                                                          |
| 5/3/2018 14:25 | 0                     | 0.0063                                                          |
| 5/3/2018 14:26 | 0                     | 0.0063                                                          |
| 5/3/2018 14:27 | 0                     | 0.0063                                                          |
| 5/3/2018 14:28 | 0                     | 0.0062                                                          |
| 5/3/2018 14:29 | 0                     | 0.0063                                                          |
| 5/3/2018 14:30 | 0                     | 0.0063                                                          |
| 5/3/2018 14:31 | 0                     | 0.0064                                                          |
| 5/3/2018 14:32 | 0                     | 0.0063                                                          |
| 5/3/2018 14:33 | 0                     | 0.0063                                                          |
| 5/3/2018 14:34 | 0                     | 0.0064                                                          |
| 5/3/2018 14:35 | 0                     | 0.0065                                                          |
| 5/3/2018 14:36 | 0                     | 0.0066                                                          |
| 5/3/2018 14:37 | 0                     | 0.0067                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 14:38 | 0                     | 0.0067                                                          |
| 5/3/2018 14:39 | 0                     | 0.0068                                                          |
| 5/3/2018 14:40 | 0                     | 0.0069                                                          |
| 5/3/2018 14:41 | 0                     | 0.0069                                                          |
| 5/3/2018 14:42 | 0                     | 0.007                                                           |
| 5/3/2018 14:43 | 0                     | 0.0071                                                          |
| 5/3/2018 14:44 | 0                     | 0.0071                                                          |
| 5/3/2018 14:45 | 0                     | 0.0071                                                          |
| 5/3/2018 14:46 | 0                     | 0.0071                                                          |
| 5/3/2018 14:47 | 0                     | 0.0072                                                          |
| 5/3/2018 14:48 | 0                     | 0.0073                                                          |
| 5/3/2018 14:49 | 0                     | 0.0073                                                          |
| 5/3/2018 14:50 | 0                     | 0.0074                                                          |
| 5/3/2018 14:51 | 0                     | 0.0074                                                          |
| 5/3/2018 14:52 | 0                     | 0.0075                                                          |
| 5/3/2018 14:53 | 0                     | 0.0075                                                          |
| 5/3/2018 14:54 | 0                     | 0.0076                                                          |
| 5/3/2018 14:55 | 0                     | 0.0077                                                          |
| 5/3/2018 14:56 | 0                     | 0.0077                                                          |
| 5/3/2018 14:57 | 0                     | 0.0079                                                          |
| 5/3/2018 14:58 | 0                     | 0.008                                                           |
| 5/3/2018 14:59 | 0                     | 0.0081                                                          |
| 5/3/2018 15:00 | 0                     | 0.0083                                                          |
| 5/3/2018 15:01 | 0                     | 0.0083                                                          |
| 5/3/2018 15:02 | 0                     | 0.0084                                                          |
| 5/3/2018 15:03 | 0                     | 0.0085                                                          |
| 5/3/2018 15:04 | 0                     | 0.0085                                                          |
| 5/3/2018 15:05 | 0                     | 0.0085                                                          |
| 5/3/2018 15:06 | 0                     | 0.0085                                                          |
| 5/3/2018 15:07 | 0                     | 0.0086                                                          |
| 5/3/2018 15:08 | 0                     | 0.0087                                                          |
| 5/3/2018 15:09 | 0                     | 0.0087                                                          |
| 5/3/2018 15:10 | 0                     | 0.0088                                                          |
| 5/3/2018 15:11 | 0                     | 0.0089                                                          |
| 5/3/2018 15:12 | 0                     | 0.0089                                                          |
| 5/3/2018 15:13 | 0                     | 0.0088                                                          |
| 5/3/2018 15:14 | 0                     | 0.0087                                                          |
| 5/3/2018 15:15 | 0                     | 0.0087                                                          |
| 5/3/2018 15:16 | 0                     | 0.0086                                                          |
| 5/3/2018 15:17 | 0                     | 0.0085                                                          |
| 5/3/2018 15:18 | 0                     | 0.0085                                                          |
| 5/3/2018 15:19 | 0                     | 0.0085                                                          |
| 5/3/2018 15:20 | 0                     | 0.0085                                                          |
| 5/3/2018 15:21 | 0                     | 0.0084                                                          |



| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 15:22 | 0                     | 0.0083                                                          |
| 5/3/2018 15:23 | 0                     | 0.0083                                                          |
| 5/3/2018 15:24 | 0                     | 0.0082                                                          |
| 5/3/2018 15:25 | 0                     | 0.0081                                                          |
| 5/3/2018 15:26 | 0                     | 0.0081                                                          |
| 5/3/2018 15:27 | 0                     | 0.008                                                           |
| 5/3/2018 15:28 | 0                     | 0.0081                                                          |
| 5/3/2018 15:29 | 0                     | 0.0081                                                          |
| 5/3/2018 15:30 | 0                     | 0.0081                                                          |
| 5/3/2018 15:31 | 0                     | 0.0081                                                          |
| 5/3/2018 15:32 | 0                     | 0.0081                                                          |
| 5/3/2018 15:33 | 0                     | 0.0081                                                          |
| 5/3/2018 15:34 | 0                     | 0.0082                                                          |
| 5/3/2018 15:35 | 0                     | 0.0083                                                          |
| 5/3/2018 15:36 | 0                     | 0.0083                                                          |
| 5/3/2018 15:37 | 0                     | 0.0083                                                          |
| 5/3/2018 15:38 | 0                     | 0.0083                                                          |
| 5/3/2018 15:39 | 0                     | 0.0083                                                          |
| 5/3/2018 15:40 | 0                     | 0.0084                                                          |
| 5/3/2018 15:41 | 0                     | 0.0085                                                          |
| 5/3/2018 15:42 | 0                     | 0.0085                                                          |
| 5/3/2018 15:43 | 0                     | 0.0085                                                          |
| 5/3/2018 15:44 | 0                     | 0.0086                                                          |
| 5/3/2018 15:45 | 0                     | 0.0087                                                          |
| 5/3/2018 15:46 | 0                     | 0.0087                                                          |
| 5/3/2018 15:47 | 0                     | 0.0088                                                          |
| 5/3/2018 15:48 | 0                     | 0.0089                                                          |
| 5/3/2018 15:49 | 0                     | 0.0089                                                          |
| 5/3/2018 15:50 | 0                     | 0.0089                                                          |
| 5/3/2018 15:51 | 0                     | 0.0089                                                          |
| 5/3/2018 15:52 | 0                     | 0.009                                                           |
| 5/3/2018 15:53 | 0                     | 0.009                                                           |
| 5/3/2018 15:54 | 0                     | 0.0091                                                          |
| 5/3/2018 15:55 | 0                     | 0.0091                                                          |
| 5/3/2018 15:55 |                       |                                                                 |
| 5/3/2018 15:56 | 0                     | 0.0091                                                          |
| 5/3/2018 15:57 | 0                     | 0.0092                                                          |
| 5/3/2018 15:58 | 0                     | 0.0092                                                          |
| 5/3/2018 15:59 | 0                     | 0.0092                                                          |
| 5/3/2018 16:00 | 0                     | 0.0092                                                          |
| 5/3/2018 16:00 |                       |                                                                 |
| 5/3/2018 16:01 | 0                     | 0.0093                                                          |
| 5/3/2018 16:02 | 0                     | 0.0092                                                          |
| 5/3/2018 16:03 | 0                     | 0.0092                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 16:04 | 0                     | 0.0092                                                          |
| 5/3/2018 16:05 | 0                     | 0.0092                                                          |
| 5/3/2018 16:06 | 0                     | 0.0092                                                          |
| 5/3/2018 16:07 | 0                     | 0.0092                                                          |
| 5/3/2018 16:08 | 0                     | 0.0092                                                          |
| 5/3/2018 16:09 | 0                     | 0.0092                                                          |
| 5/3/2018 16:10 | 0                     | 0.0091                                                          |
| 5/3/2018 16:11 | 0                     | 0.0091                                                          |
| 5/3/2018 16:12 | 0                     | 0.0091                                                          |
| 5/3/2018 16:13 | 0                     | 0.0091                                                          |
| 5/3/2018 16:14 | 0                     | 0.0091                                                          |
| 5/3/2018 16:15 | 0                     | 0.0091                                                          |
| 5/3/2018 16:16 | 0                     | 0.0091                                                          |
| 5/3/2018 16:17 | 0                     | 0.0091                                                          |
| 5/3/2018 16:18 | 0                     | 0.0091                                                          |
| 5/3/2018 16:19 | 0                     | 0.0091                                                          |
| 5/3/2018 16:20 | 0                     | 0.0091                                                          |
| 5/3/2018 16:21 | 0                     | 0.0091                                                          |
| 5/3/2018 16:22 | 0                     | 0.0091                                                          |
| 5/3/2018 16:23 | 0                     | 0.0091                                                          |
| 5/3/2018 16:24 | 0                     | 0.0091                                                          |
| 5/3/2018 16:25 | 0                     | 0.0091                                                          |
| 5/3/2018 16:26 | 0                     | 0.0091                                                          |
| 5/3/2018 16:27 | 0                     | 0.0091                                                          |
| 5/3/2018 16:28 | 0                     | 0.0091                                                          |
| 5/3/2018 16:29 | 0                     | 0.0091                                                          |
| 5/3/2018 16:30 | 0                     | 0.0091                                                          |
| 5/3/2018 16:31 | 0                     | 0.009                                                           |
| 5/3/2018 16:32 | 0                     | 0.009                                                           |
| 5/3/2018 16:33 | 0                     | 0.009                                                           |
| 5/3/2018 16:34 | 0                     | 0.009                                                           |
| 5/3/2018 16:35 | 0                     | 0.009                                                           |
| 5/3/2018 16:36 | 0                     | 0.009                                                           |
| 5/3/2018 16:37 | 0                     | 0.009                                                           |
| 5/3/2018 16:38 | 0                     | 0.009                                                           |
| 5/3/2018 16:39 | 0                     | 0.009                                                           |
| 5/3/2018 16:40 | 0                     | 0.009                                                           |
| 5/3/2018 16:41 | 0                     | 0.009                                                           |
| 5/3/2018 16:42 | 0                     | 0.009                                                           |
| 5/3/2018 16:43 | 0                     | 0.009                                                           |
| 5/3/2018 16:44 | 0                     | 0.009                                                           |
| 5/3/2018 16:45 | 0                     | 0.009                                                           |
| 5/3/2018 16:46 | 0                     | 0.0091                                                          |
| 5/3/2018 16:47 | 0                     | 0.0091                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 16:48 | 0                     | 0.0092                                                          |
| 5/3/2018 16:49 | 0                     | 0.0092                                                          |
| 5/3/2018 16:50 | 0                     | 0.0093                                                          |
| 5/3/2018 16:51 | 0                     | 0.0093                                                          |
| 5/3/2018 16:52 | 0                     | 0.0094                                                          |
| 5/3/2018 16:53 | 0                     | 0.0095                                                          |
| 5/3/2018 16:54 | 0                     | 0.0096                                                          |
| 5/3/2018 16:55 | 0                     | 0.0097                                                          |
| 5/3/2018 16:56 | 0                     | 0.0097                                                          |
| 5/3/2018 16:57 | 0                     | 0.0099                                                          |
| 5/3/2018 16:58 | 0                     | 0.0099                                                          |
| 5/3/2018 16:59 | 0                     | 0.01                                                            |
| 5/3/2018 17:00 | 0                     | 0.0101                                                          |
| 5/3/2018 17:01 | 0                     | 0.0101                                                          |
| 5/3/2018 17:02 | 0                     | 0.0101                                                          |
| 5/3/2018 17:03 | 0                     | 0.0101                                                          |
| 5/3/2018 17:04 | 0                     | 0.0101                                                          |
| 5/3/2018 17:05 | 0                     | 0.0101                                                          |
| 5/3/2018 17:06 | 0                     | 0.0101                                                          |
| 5/3/2018 17:07 | 0                     | 0.0101                                                          |
| 5/3/2018 17:08 | 0                     | 0.0101                                                          |
| 5/3/2018 17:09 | 0                     | 0.0101                                                          |
| 5/3/2018 17:10 | 0                     | 0.0101                                                          |
| 5/3/2018 17:11 | 0                     | 0.0101                                                          |
| 5/3/2018 17:12 | 0                     | 0.01                                                            |
| 5/3/2018 17:13 | 0                     | 0.01                                                            |
| 5/3/2018 17:14 | 0                     | 0.01                                                            |
| 5/3/2018 17:15 | 0                     | 0.01                                                            |
| 5/3/2018 17:16 | 0                     | 0.01                                                            |
| 5/3/2018 17:17 | 0                     | 0.0099                                                          |
| 5/3/2018 17:18 | 0                     | 0.0099                                                          |
| 5/3/2018 17:19 | 0                     | 0.0099                                                          |
| 5/3/2018 17:20 | 0                     | 0.0099                                                          |
| 5/3/2018 17:21 | 0                     | 0.0099                                                          |
| 5/3/2018 17:22 | 0                     | 0.0099                                                          |
| 5/3/2018 17:23 | 0                     | 0.0099                                                          |
| 5/3/2018 17:24 | 0                     | 0.0098                                                          |
| 5/3/2018 17:25 | 0                     | 0.0097                                                          |
| 5/3/2018 17:26 | 0                     | 0.0097                                                          |
| 5/3/2018 17:27 | 0                     | 0.0097                                                          |
| 5/3/2018 17:28 | 0                     | 0.0097                                                          |
| 5/3/2018 17:29 | 0                     | 0.0097                                                          |
| 5/3/2018 17:30 | 0                     | 0.0096                                                          |
| 5/3/2018 17:31 | 0                     | 0.0097                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 17:32 | 0                     | 0.0097                                                          |
| 5/3/2018 17:33 | 0                     | 0.0097                                                          |
| 5/3/2018 17:34 | 0                     | 0.0096                                                          |
| 5/3/2018 17:35 | 0                     | 0.0095                                                          |
| 5/3/2018 17:36 | 0                     | 0.0095                                                          |
| 5/3/2018 17:37 | 0                     | 0.0095                                                          |
| 5/3/2018 17:38 | 0                     | 0.0095                                                          |
| 5/3/2018 17:39 | 0                     | 0.0095                                                          |
| 5/3/2018 17:40 | 0                     | 0.0095                                                          |
| 5/3/2018 17:41 | 0                     | 0.0094                                                          |
| 5/3/2018 17:42 | 0                     | 0.0093                                                          |
| 5/3/2018 17:43 | 0                     | 0.0093                                                          |
| 5/3/2018 17:44 | 0                     | 0.0093                                                          |
| 5/3/2018 17:45 | 0                     | 0.0093                                                          |
| 5/3/2018 17:46 | 0                     | 0.0091                                                          |
| 5/3/2018 17:47 | 0                     | 0.0091                                                          |
| 5/3/2018 17:48 | 0                     | 0.0091                                                          |
| 5/3/2018 17:49 | 0                     | 0.0091                                                          |
| 5/3/2018 17:50 | 0                     | 0.0091                                                          |
| 5/3/2018 17:51 | 0                     | 0.0091                                                          |
| 5/3/2018 17:52 | 0                     | 0.0091                                                          |
| 5/3/2018 17:53 | 0                     | 0.0091                                                          |
| 5/3/2018 17:54 | 0                     | 0.0091                                                          |
| 5/3/2018 17:55 | 0                     | 0.0091                                                          |
| 5/3/2018 17:56 | 0                     | 0.0091                                                          |
| 5/3/2018 17:57 | 0                     | 0.0091                                                          |
| 5/3/2018 17:58 | 0                     | 0.0091                                                          |
| 5/3/2018 17:59 | 0                     | 0.0091                                                          |
| 5/3/2018 18:00 | 0                     | 0.0091                                                          |
| 5/3/2018 18:01 | 0                     | 0.0092                                                          |
| 5/3/2018 18:02 | 0                     | 0.0093                                                          |
| 5/3/2018 18:03 | 0                     | 0.0093                                                          |
| 5/3/2018 18:04 | 0                     | 0.0094                                                          |
| 5/3/2018 18:05 | 0                     | 0.0094                                                          |
| 5/3/2018 18:06 | 0                     | 0.0094                                                          |
| 5/3/2018 18:07 | 0                     | 0.0095                                                          |
| 5/3/2018 18:08 | 0                     | 0.0095                                                          |
| 5/3/2018 18:09 | 0                     | 0.0095                                                          |
| 5/3/2018 18:10 | 0                     | 0.0095                                                          |
| 5/3/2018 18:11 | 0                     | 0.0096                                                          |
| 5/3/2018 18:12 | 0                     | 0.0096                                                          |
| 5/3/2018 18:13 | 0                     | 0.0097                                                          |
| 5/3/2018 18:14 | 0                     | 0.0098                                                          |
| 5/3/2018 18:15 | 0                     | 0.0099                                                          |

UPWIND

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/3/2018 18:16 | 0                     | 0.0099                                                          |
| 5/3/2018 18:17 | 0                     | 0.0099                                                          |
| 5/3/2018 18:18 | 0                     | 0.0099                                                          |
| 5/3/2018 18:19 | 0                     | 0.0098                                                          |
| 5/3/2018 18:20 | 0                     | 0.0098                                                          |
| 5/3/2018 18:21 | 0                     | 0.0097                                                          |
| 5/3/2018 18:22 | 0                     | 0.0097                                                          |
| 5/3/2018 18:23 | 0                     | 0.0098                                                          |
| 5/3/2018 18:24 | 0                     | 0.0099                                                          |
| 5/3/2018 18:25 | 0                     | 0.0099                                                          |
| 5/3/2018 18:26 | 0                     | 0.0099                                                          |
| 5/3/2018 18:27 | 0                     | 0.0099                                                          |
| 5/3/2018 18:28 | 0                     | 0.0098                                                          |
| 5/3/2018 18:29 | 0                     | 0.0097                                                          |
| 5/3/2018 18:30 | 0                     | 0.0097                                                          |
| 5/3/2018 18:31 | 0                     | 0.0096                                                          |
| 5/3/2018 18:32 | 0                     | 0.0095                                                          |
| 5/3/2018 18:33 | 0                     | 0.0095                                                          |
| 5/3/2018 18:34 | 0                     | 0.0095                                                          |
| 5/3/2018 18:35 | 0                     | 0.0095                                                          |
| 5/3/2018 18:36 | 0                     | 0.0095                                                          |
| 5/3/2018 18:37 | 0                     | 0.0095                                                          |
| 5/3/2018 18:38 | 0                     | 0.0093                                                          |
| 5/3/2018 18:39 | 0                     | 0.0093                                                          |
| 5/3/2018 18:40 | 0                     | 0.0093                                                          |
| 5/3/2018 18:41 | 0                     | 0.0092                                                          |
| 5/3/2018 18:42 | 0                     | 0.0091                                                          |
| 5/3/2018 18:43 | 0                     | 0.0091                                                          |
| 5/3/2018 18:44 | 0                     | 0.0091                                                          |
| 5/3/2018 18:45 | 0                     | 0.0092                                                          |
| 5/3/2018 18:46 | 0                     | 0.0092                                                          |
| 5/3/2018 18:47 | 0                     | 0.0092                                                          |
| 5/3/2018 18:48 | 0                     | 0.0092                                                          |
| 5/3/2018 18:49 | 0                     | 0.0092                                                          |
| 5/3/2018 18:50 | 0                     | 0.0093                                                          |
| 5/3/2018 18:51 | 0                     | 0.0093                                                          |
| 5/3/2018 18:52 | 0                     | 0.0094                                                          |
| 5/3/2018 18:53 | 0                     | 0.0095                                                          |
| 5/3/2018 18:54 | 0                     | 0.0095                                                          |
| 5/3/2018 18:55 | 0                     | 0.0095                                                          |
| 5/3/2018 18:56 | 0                     | 0.0095                                                          |
| 5/3/2018 18:57 | 0                     | 0.0096                                                          |
| 5/3/2018 18:58 | 0                     | 0.0097                                                          |
| 5/3/2018 18:59 | 0                     | 0.0098                                                          |

UPWIND

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/3/2018 19:00 | 0                     | 0.0098                                                          |
| 5/3/2018 19:01 | 0                     | 0.0099                                                          |
| 5/3/2018 19:02 | 0                     | 0.0099                                                          |
| 5/3/2018 19:03 | 0                     | 0.01                                                            |
| 5/3/2018 19:04 | 0                     | 0.0101                                                          |
| 5/3/2018 19:05 | 0                     | 0.0101                                                          |
| 5/3/2018 19:06 | 0                     | 0.0101                                                          |
| 5/3/2018 19:07 | 0                     | 0.0101                                                          |
| 5/3/2018 19:08 | 0                     | 0.0101                                                          |
| 5/3/2018 19:09 | 0                     | 0.0101                                                          |
| 5/3/2018 19:10 | 0                     | 0.0101                                                          |
| 5/3/2018 19:11 | 0                     | 0.0101                                                          |
| 5/3/2018 19:12 | 0                     | 0.0101                                                          |
| 5/3/2018 19:13 | 0                     | 0.01                                                            |
| 5/3/2018 19:14 | 0                     | 0.01                                                            |
| 5/3/2018 19:15 | 0                     | 0.01                                                            |
| 5/3/2018 19:16 | 0                     | 0.01                                                            |
| 5/3/2018 19:17 | 0                     | 0.01                                                            |
| 5/3/2018 19:18 | 0                     | 0.01                                                            |
| 5/3/2018 19:19 | 0                     | 0.01                                                            |
| 5/3/2018 19:20 | 0                     | 0.01                                                            |
| 5/3/2018 19:21 | 0                     | 0.01                                                            |
| 5/3/2018 19:22 | 0                     | 0.01                                                            |
| 5/3/2018 19:23 | 0                     | 0.01                                                            |
| 5/3/2018 19:24 | 0                     | 0.01                                                            |
| 5/3/2018 19:25 | 0                     | 0.01                                                            |
| 5/3/2018 19:26 | 0                     | 0.01                                                            |
| 5/3/2018 19:27 | 0                     | 0.01                                                            |
| 5/3/2018 19:28 | 0                     | 0.01                                                            |
| 5/3/2018 19:29 | 0                     | 0.0099                                                          |
| 5/3/2018 19:30 | 0                     | 0.0099                                                          |
| 5/3/2018 19:31 | 0                     | 0.0099                                                          |
| 5/3/2018 19:32 | 0                     | 0.0099                                                          |
| 5/3/2018 19:33 | 0                     | 0.0099                                                          |
| 5/3/2018 19:34 | 0                     | 0.0099                                                          |
| 5/3/2018 19:35 | 0                     | 0.0099                                                          |
| 5/3/2018 19:36 | 0                     | 0.0099                                                          |
| 5/3/2018 19:37 | 0                     | 0.0099                                                          |
| 5/3/2018 19:38 | 0                     | 0.01                                                            |
| 5/3/2018 19:39 | 0                     | 0.01                                                            |
| 5/3/2018 19:40 | 0                     | 0.01                                                            |
| 5/3/2018 19:41 | 0                     | 0.01                                                            |
| 5/3/2018 19:42 | 0                     | 0.01                                                            |
| 5/3/2018 19:43 | 0                     | 0.01                                                            |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 19:44 | 0                     | 0.0101                                                          |
| 5/3/2018 19:45 | 0                     | 0.0101                                                          |
| 5/3/2018 19:46 | 0                     | 0.0101                                                          |
| 5/3/2018 19:47 | 0                     | 0.0101                                                          |
| 5/3/2018 19:48 | 0                     | 0.0101                                                          |
| 5/3/2018 19:49 | 0                     | 0.0101                                                          |
| 5/3/2018 19:50 | 0                     | 0.0101                                                          |
| 5/3/2018 19:51 | 0                     | 0.0101                                                          |
| 5/3/2018 19:52 | 0                     | 0.0101                                                          |
| 5/3/2018 19:53 | 0                     | 0.01                                                            |
| 5/3/2018 19:54 | 0                     | 0.01                                                            |
| 5/3/2018 19:55 | 0                     | 0.01                                                            |
| 5/3/2018 19:56 | 0                     | 0.01                                                            |
| 5/3/2018 19:57 | 0                     | 0.0101                                                          |
| 5/3/2018 19:58 | 0                     | 0.0101                                                          |
| 5/3/2018 19:59 | 0                     | 0.0101                                                          |
| 5/3/2018 20:00 | 0                     | 0.0101                                                          |
| 5/3/2018 20:01 | 0                     | 0.0101                                                          |
| 5/3/2018 20:02 | 0                     | 0.0101                                                          |
| 5/3/2018 20:03 | 0                     | 0.0101                                                          |
| 5/3/2018 20:04 | 0                     | 0.0101                                                          |
| 5/3/2018 20:05 | 0                     | 0.0101                                                          |
| 5/3/2018 20:06 | 0                     | 0.0101                                                          |
| 5/3/2018 20:07 | 0                     | 0.0102                                                          |
| 5/3/2018 20:08 | 0                     | 0.0102                                                          |
| 5/3/2018 20:09 | 0                     | 0.0102                                                          |
| 5/3/2018 20:10 | 0                     | 0.0103                                                          |
| 5/3/2018 20:11 | 0                     | 0.0103                                                          |
| 5/3/2018 20:12 | 0                     | 0.0103                                                          |
| 5/3/2018 20:13 | 0                     | 0.0103                                                          |
| 5/3/2018 20:14 | 0                     | 0.0104                                                          |
| 5/3/2018 20:15 | 0                     | 0.0105                                                          |
| 5/3/2018 20:16 | 0                     | 0.0105                                                          |
| 5/3/2018 20:17 | 0                     | 0.0107                                                          |
| 5/3/2018 20:18 | 0                     | 0.0107                                                          |
| 5/3/2018 20:19 | 0                     | 0.0108                                                          |
| 5/3/2018 20:20 | 0                     | 0.0109                                                          |
| 5/3/2018 20:21 | 0                     | 0.0109                                                          |
| 5/3/2018 20:22 | 0                     | 0.0109                                                          |
| 5/3/2018 20:23 | 0                     | 0.0109                                                          |
| 5/3/2018 20:24 | 0                     | 0.011                                                           |
| 5/3/2018 20:25 | 0                     | 0.011                                                           |
| 5/3/2018 20:26 | 0                     | 0.0111                                                          |
| 5/3/2018 20:27 | 0                     | 0.0111                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 20:28 | 0                     | 0.0111                                                          |
| 5/4/2018 12:06 | 0                     | 0.0145                                                          |
| 5/4/2018 12:07 | 0                     | 0.0113                                                          |
| 5/4/2018 12:08 | 0                     | 0.01                                                            |
| 5/4/2018 12:09 | 0                     | 0.0092                                                          |
| 5/4/2018 12:10 | 0                     | 0.0085                                                          |
| 5/4/2018 12:11 | 0                     | 0.0079                                                          |
| 5/4/2018 12:12 | 0                     | 0.0075                                                          |
| 5/4/2018 12:13 | 0                     | 0.0071                                                          |
| 5/4/2018 12:14 | 0                     | 0.0068                                                          |
| 5/4/2018 12:15 | 0                     | 0.0066                                                          |
| 5/4/2018 12:16 | 0                     | 0.0065                                                          |
| 5/4/2018 12:17 | 0                     | 0.0064                                                          |
| 5/4/2018 12:18 | 0                     | 0.0063                                                          |
| 5/4/2018 12:19 | 0                     | 0.0062                                                          |
| 5/4/2018 12:20 | 0                     | 0.0049                                                          |
| 5/4/2018 12:21 | 0                     | 0.0049                                                          |
| 5/4/2018 12:22 | 0                     | 0.0049                                                          |
| 5/4/2018 12:23 | 0                     | 0.0049                                                          |
| 5/4/2018 12:24 | 0                     | 0.0048                                                          |
| 5/4/2018 12:25 | 0                     | 0.0048                                                          |
| 5/4/2018 12:26 | 0                     | 0.0049                                                          |
| 5/4/2018 12:27 | 0                     | 0.0049                                                          |
| 5/4/2018 12:28 | 0                     | 0.0049                                                          |
| 5/4/2018 12:29 | 0                     | 0.005                                                           |
| 5/4/2018 12:30 | 0                     | 0.005                                                           |
| 5/4/2018 12:31 | 0                     | 0.005                                                           |
| 5/4/2018 12:32 | 0                     | 0.005                                                           |
| 5/4/2018 12:33 | 0                     | 0.005                                                           |
| 5/4/2018 12:34 | 0                     | 0.005                                                           |
| 5/4/2018 12:35 | 0                     | 0.005                                                           |
| 5/4/2018 12:36 | 0                     | 0.005                                                           |
| 5/4/2018 12:37 | 0                     | 0.005                                                           |
| 5/4/2018 12:38 | 0                     | 0.0051                                                          |
| 5/4/2018 12:39 | 0                     | 0.0051                                                          |
| 5/4/2018 12:40 | 0                     | 0.0052                                                          |
| 5/4/2018 12:41 | 0                     | 0.0053                                                          |
| 5/4/2018 12:42 | 0                     | 0.0053                                                          |
| 5/4/2018 12:43 | 0                     | 0.0054                                                          |
| 5/4/2018 12:44 | 0                     | 0.0055                                                          |
| 5/4/2018 12:45 | 0                     | 0.0055                                                          |
| 5/4/2018 12:46 | 0                     | 0.0056                                                          |
| 5/4/2018 12:47 | 0                     | 0.0057                                                          |
| 5/4/2018 12:48 | 0                     | 0.0057                                                          |



| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 12:49 | 0                     | 0.0058                                                          |
| 5/4/2018 12:50 | 0                     | 0.0059                                                          |
| 5/4/2018 12:51 | 0                     | 0.0059                                                          |
| 5/4/2018 12:52 | 0                     | 0.006                                                           |
| 5/4/2018 12:53 | 0                     | 0.006                                                           |
| 5/4/2018 12:54 | 0                     | 0.006                                                           |
| 5/4/2018 12:55 | 0                     | 0.006                                                           |
| 5/4/2018 12:56 | 0                     | 0.006                                                           |
| 5/4/2018 12:57 | 0                     | 0.006                                                           |
| 5/4/2018 12:58 | 0                     | 0.0061                                                          |
| 5/4/2018 12:59 | 0                     | 0.0061                                                          |
| 5/4/2018 13:00 | 0                     | 0.0062                                                          |
| 5/4/2018 13:01 | 0                     | 0.0063                                                          |
| 5/4/2018 13:02 | 0                     | 0.0063                                                          |
| 5/4/2018 13:03 | 0                     | 0.0064                                                          |
| 5/4/2018 13:04 | 0                     | 0.0065                                                          |
| 5/4/2018 13:05 | 0                     | 0.0065                                                          |
| 5/4/2018 13:06 | 0                     | 0.0066                                                          |
| 5/4/2018 13:07 | 0                     | 0.0067                                                          |
| 5/4/2018 13:08 | 0                     | 0.0069                                                          |
| 5/4/2018 13:09 | 0                     | 0.007                                                           |
| 5/4/2018 13:10 | 0                     | 0.0072                                                          |
| 5/4/2018 13:11 | 0                     | 0.0074                                                          |
| 5/4/2018 13:12 | 0                     | 0.0075                                                          |
| 5/4/2018 13:13 | 0                     | 0.0077                                                          |
| 5/4/2018 13:14 | 0                     | 0.0078                                                          |
| 5/4/2018 13:15 | 0                     | 0.0079                                                          |
| 5/4/2018 13:16 | 0                     | 0.0081                                                          |
| 5/4/2018 13:17 | 0                     | 0.0083                                                          |
| 5/4/2018 13:18 | 0                     | 0.0084                                                          |
| 5/4/2018 13:19 | 0                     | 0.0086                                                          |
| 5/4/2018 13:20 | 0                     | 0.0089                                                          |
| 5/4/2018 13:21 | 0                     | 0.0091                                                          |
| 5/4/2018 13:22 | 0                     | 0.0093                                                          |
| 5/4/2018 13:23 | 0                     | 0.0095                                                          |
| 5/4/2018 13:24 | 0                     | 0.0097                                                          |
| 5/4/2018 13:25 | 0                     | 0.0099                                                          |
| 5/4/2018 13:26 | 0                     | 0.0101                                                          |
| 5/4/2018 13:27 | 0                     | 0.0103                                                          |
| 5/4/2018 13:28 | 0                     | 0.0106                                                          |
| 5/4/2018 13:29 | 0                     | 0.0109                                                          |
| 5/4/2018 13:30 | 0                     | 0.0111                                                          |
| 5/4/2018 13:31 | 0                     | 0.0114                                                          |
| 5/4/2018 13:32 | 0                     | 0.0116                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 13:33 | 0                     | 0.0119                                                          |
| 5/4/2018 13:34 | 0                     | 0.0122                                                          |
| 5/4/2018 13:35 | 0                     | 0.0124                                                          |
| 5/4/2018 13:36 | 0                     | 0.0126                                                          |
| 5/4/2018 13:37 | 0                     | 0.0128                                                          |
| 5/4/2018 13:38 | 0                     | 0.0132                                                          |
| 5/4/2018 13:39 | 0                     | 0.0138                                                          |
| 5/4/2018 13:40 | 0                     | 0.0141                                                          |
| 5/4/2018 13:41 | 0                     | 0.0145                                                          |
| 5/4/2018 13:42 | 0                     | 0.0147                                                          |
| 5/4/2018 13:43 | 0                     | 0.015                                                           |
| 5/4/2018 13:44 | 0                     | 0.0153                                                          |
| 5/4/2018 13:45 | 0                     | 0.0157                                                          |
| 5/4/2018 13:46 | 0                     | 0.0161                                                          |
| 5/4/2018 13:47 | 0                     | 0.0163                                                          |
| 5/4/2018 13:48 | 0                     | 0.0163                                                          |
| 5/4/2018 13:49 | 0                     | 0.0164                                                          |
| 5/4/2018 13:50 | 0                     | 0.0165                                                          |
| 5/4/2018 13:51 | 0                     | 0.017                                                           |
| 5/4/2018 13:52 | 0                     | 0.0175                                                          |
| 5/4/2018 13:53 | 0                     | 0.0177                                                          |
| 5/4/2018 13:54 | 0                     | 0.0176                                                          |
| 5/4/2018 13:55 | 0                     | 0.0176                                                          |
| 5/4/2018 13:56 | 0                     | 0.0175                                                          |
| 5/4/2018 13:57 | 0                     | 0.0174                                                          |
| 5/4/2018 13:58 | 0                     | 0.0173                                                          |
| 5/4/2018 13:59 | 0                     | 0.0175                                                          |
| 5/4/2018 14:00 | 0                     | 0.0175                                                          |
| 5/4/2018 14:01 | 0                     | 0.0177                                                          |
| 5/4/2018 14:02 | 0                     | 0.0179                                                          |
| 5/4/2018 14:03 | 0                     | 0.0179                                                          |
| 5/4/2018 14:04 | 0                     | 0.0179                                                          |
| 5/4/2018 14:05 | 0                     | 0.0179                                                          |
| 5/4/2018 14:06 | 0                     | 0.0175                                                          |
| 5/4/2018 14:07 | 0                     | 0.0171                                                          |
| 5/4/2018 14:08 | 0                     | 0.0168                                                          |
| 5/4/2018 14:09 | 0                     | 0.0168                                                          |
| 5/4/2018 14:10 | 0                     | 0.0169                                                          |
| 5/4/2018 14:11 | 0                     | 0.0172                                                          |
| 5/4/2018 14:12 | 0                     | 0.0175                                                          |
| 5/4/2018 14:13 | 0                     | 0.0177                                                          |
| 5/4/2018 14:14 | 0                     | 0.0176                                                          |
| 5/4/2018 14:15 | 0                     | 0.0175                                                          |
| 5/4/2018 14:16 | 0                     | 0.0171                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 14:17 | 0                     | 0.0169                                                          |
| 5/4/2018 14:18 | 0                     | 0.0169                                                          |
| 5/4/2018 14:19 | 0                     | 0.0171                                                          |
| 5/4/2018 14:20 | 0                     | 0.0173                                                          |
| 5/4/2018 14:21 | 0                     | 0.0175                                                          |
| 5/4/2018 14:22 | 0                     | 0.0176                                                          |
| 5/4/2018 14:23 | 0                     | 0.0179                                                          |
| 5/4/2018 14:24 | 0                     | 0.0179                                                          |
| 5/4/2018 14:25 | 0                     | 0.0179                                                          |
| 5/4/2018 14:26 | 0                     | 0.0177                                                          |
| 5/4/2018 14:27 | 0                     | 0.0174                                                          |
| 5/4/2018 14:28 | 0                     | 0.017                                                           |
| 5/4/2018 14:29 | 0                     | 0.0167                                                          |
| 5/4/2018 14:30 | 0                     | 0.0164                                                          |
| 5/4/2018 14:31 | 0                     | 0.0163                                                          |
| 5/4/2018 14:32 | 0                     | 0.0161                                                          |
| 5/4/2018 14:33 | 0                     | 0.0159                                                          |
| 5/4/2018 14:34 | 0                     | 0.0157                                                          |
| 5/4/2018 14:35 | 0                     | 0.0153                                                          |
| 5/4/2018 14:36 | 0                     | 0.0149                                                          |
| 5/4/2018 14:37 | 0                     | 0.0147                                                          |
| 5/4/2018 14:38 | 0                     | 0.0143                                                          |
| 5/4/2018 14:39 | 0                     | 0.0139                                                          |
| 5/4/2018 14:40 | 0                     | 0.0136                                                          |
| 5/4/2018 14:41 | 0                     | 0.0133                                                          |
| 5/4/2018 14:42 | 0                     | 0.0132                                                          |
| 5/4/2018 14:43 | 0                     | 0.0132                                                          |
| 5/4/2018 14:44 | 0                     | 0.0133                                                          |
| 5/4/2018 14:45 | 0                     | 0.0134                                                          |
| 5/4/2018 14:46 | 0                     | 0.0134                                                          |
| 5/4/2018 14:47 | 0                     | 0.0137                                                          |
| 5/4/2018 14:48 | 0                     | 0.0138                                                          |
| 5/4/2018 14:49 | 0                     | 0.0139                                                          |
| 5/4/2018 14:50 | 0                     | 0.0141                                                          |
| 5/4/2018 14:51 | 0                     | 0.0143                                                          |
| 5/4/2018 14:52 | 0                     | 0.0144                                                          |
| 5/4/2018 14:53 | 0                     | 0.0145                                                          |
| 5/4/2018 14:54 | 0                     | 0.0145                                                          |
| 5/4/2018 14:55 | 0                     | 0.0146                                                          |
| 5/4/2018 14:56 | 0                     | 0.0147                                                          |
| 5/4/2018 14:57 | 0                     | 0.0148                                                          |
| 5/4/2018 14:58 | 0                     | 0.0148                                                          |
| 5/4/2018 14:59 | 0                     | 0.0147                                                          |
| 5/4/2018 15:00 | 0                     | 0.0147                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 15:01 | 0                     | 0.0148                                                          |
| 5/4/2018 15:02 | 0                     | 0.0147                                                          |
| 5/4/2018 15:03 | 0                     | 0.0147                                                          |
| 5/4/2018 15:04 | 0                     | 0.0147                                                          |
| 5/4/2018 15:05 | 0                     | 0.0146                                                          |
| 5/4/2018 15:06 | 0                     | 0.0145                                                          |
| 5/4/2018 15:07 | 0                     | 0.0147                                                          |
| 5/4/2018 15:08 | 0                     | 0.0149                                                          |
| 5/4/2018 15:09 | 0                     | 0.0151                                                          |
| 5/4/2018 15:10 | 0                     | 0.0152                                                          |
| 5/4/2018 15:11 | 0                     | 0.0153                                                          |
| 5/4/2018 15:12 | 0                     | 0.0156                                                          |
| 5/4/2018 15:13 | 0                     | 0.0159                                                          |
| 5/4/2018 15:14 | 0                     | 0.0161                                                          |
| 5/4/2018 15:15 | 0                     | 0.0162                                                          |
| 5/4/2018 15:16 | 0                     | 0.0163                                                          |
| 5/4/2018 15:17 | 0                     | 0.0165                                                          |
| 5/4/2018 15:18 | 0                     | 0.0166                                                          |
| 5/4/2018 15:19 | 0                     | 0.0167                                                          |
| 5/4/2018 15:20 | 0                     | 0.0169                                                          |
| 5/4/2018 15:21 | 0                     | 0.0172                                                          |
| 5/4/2018 15:22 | 0                     | 0.0174                                                          |
| 5/4/2018 15:23 | 0                     | 0.0175                                                          |
| 5/4/2018 15:24 | 0                     | 0.0177                                                          |
| 5/4/2018 15:25 | 0                     | 0.0178                                                          |
| 5/4/2018 15:26 | 0                     | 0.0179                                                          |
| 5/4/2018 15:27 | 0                     | 0.0179                                                          |
| 5/4/2018 15:28 | 0                     | 0.0179                                                          |
| 5/4/2018 15:29 | 0                     | 0.018                                                           |
| 5/4/2018 15:30 | 0                     | 0.0181                                                          |
| 5/4/2018 15:31 | 0                     | 0.0182                                                          |
| 5/4/2018 15:32 | 0                     | 0.0183                                                          |
| 5/4/2018 15:33 | 0                     | 0.0185                                                          |
| 5/4/2018 15:34 | 0                     | 0.0187                                                          |
| 5/4/2018 15:35 | 0                     | 0.0187                                                          |
| 5/4/2018 15:36 | 0                     | 0.0186                                                          |
| 5/4/2018 15:37 | 0                     | 0.0185                                                          |
| 5/4/2018 15:38 | 0                     | 0.0185                                                          |
| 5/4/2018 15:39 | 0                     | 0.0185                                                          |
| 5/4/2018 15:40 | 0                     | 0.0186                                                          |
| 5/4/2018 15:41 | 0                     | 0.0187                                                          |
| 5/4/2018 15:42 | 0                     | 0.0187                                                          |
| 5/4/2018 15:43 | 0                     | 0.0188                                                          |
| 5/4/2018 15:44 | 0                     | 0.0189                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 15:45 | 0                     | 0.0189                                                          |
| 5/4/2018 15:46 | 0                     | 0.0191                                                          |
| 5/4/2018 15:47 | 0                     | 0.0193                                                          |
| 5/4/2018 15:48 | 0                     | 0.0193                                                          |
| 5/4/2018 15:49 | 0                     | 0.0193                                                          |
| 5/4/2018 15:50 | 0                     | 0.0195                                                          |
| 5/4/2018 15:51 | 0                     | 0.0197                                                          |
| 5/4/2018 15:52 | 0                     | 0.0197                                                          |
| 5/4/2018 15:53 | 0                     | 0.0199                                                          |
| 5/4/2018 15:54 | 0                     | 0.0201                                                          |
| 5/4/2018 15:55 | 0                     | 0.0202                                                          |
| 5/4/2018 15:56 | 0                     | 0.0203                                                          |
| 5/4/2018 15:57 | 0                     | 0.0204                                                          |
| 5/4/2018 15:58 | 0                     | 0.0205                                                          |
| 5/4/2018 15:59 | 0                     | 0.0205                                                          |
| 5/4/2018 16:00 | 0                     | 0.0204                                                          |
| 5/4/2018 16:01 | 0                     | 0.0204                                                          |
| 5/4/2018 16:02 | 0                     | 0.0203                                                          |
| 5/4/2018 16:03 | 0                     | 0.0203                                                          |
| 5/4/2018 16:04 | 0                     | 0.0202                                                          |
| 5/4/2018 16:05 | 0                     | 0.0201                                                          |
| 5/4/2018 16:06 | 0                     | 0.0199                                                          |
| 5/4/2018 16:07 | 0                     | 0.0199                                                          |
| 5/4/2018 16:08 | 0                     | 0.0198                                                          |
| 5/4/2018 16:09 | 0                     | 0.0196                                                          |
| 5/4/2018 16:10 | 0                     | 0.0195                                                          |
| 5/4/2018 16:11 | 0                     | 0.0193                                                          |
| 5/4/2018 16:12 | 0                     | 0.0193                                                          |
| 5/4/2018 16:13 | 0                     | 0.0192                                                          |
| 5/4/2018 16:14 | 0                     | 0.0191                                                          |
| 5/4/2018 16:15 | 0                     | 0.0191                                                          |
| 5/4/2018 16:16 | 0                     | 0.0191                                                          |
| 5/4/2018 16:17 | 0                     | 0.0192                                                          |
| 5/4/2018 16:18 | 0                     | 0.0192                                                          |
| 5/4/2018 16:19 | 0                     | 0.0193                                                          |
| 5/4/2018 16:20 | 0                     | 0.0193                                                          |
| 5/4/2018 16:21 | 0                     | 0.0193                                                          |
| 5/4/2018 16:22 | 0                     | 0.0193                                                          |
| 5/4/2018 16:23 | 0                     | 0.0193                                                          |
| 5/4/2018 16:24 | 0                     | 0.0193                                                          |
| 5/4/2018 16:25 | 0                     | 0.0193                                                          |
| 5/4/2018 16:26 | 0                     | 0.0193                                                          |
| 5/4/2018 16:27 | 0                     | 0.0193                                                          |
| 5/4/2018 16:28 | 0                     | 0.0194                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 16:29 | 0                     | 0.0195                                                          |
| 5/4/2018 16:30 | 0                     | 0.0195                                                          |
| 5/4/2018 16:31 | 0                     | 0.0194                                                          |
| 5/4/2018 16:32 | 0                     | 0.0193                                                          |
| 5/4/2018 16:33 | 0                     | 0.0193                                                          |
| 5/4/2018 16:34 | 0                     | 0.0192                                                          |
| 5/4/2018 16:35 | 0                     | 0.0192                                                          |
| 5/4/2018 16:36 | 0                     | 0.0191                                                          |
| 5/4/2018 16:37 | 0                     | 0.0191                                                          |
| 5/4/2018 16:38 | 0                     | 0.0191                                                          |
| 5/4/2018 16:39 | 0                     | 0.0191                                                          |
| 5/4/2018 16:40 | 0                     | 0.0191                                                          |
| 5/4/2018 16:41 | 0                     | 0.0191                                                          |
| 5/4/2018 16:42 | 0                     | 0.0191                                                          |
| 5/4/2018 16:43 | 0                     | 0.0191                                                          |
| 5/4/2018 16:44 | 0                     | 0.019                                                           |
| 5/4/2018 16:45 | 0                     | 0.0189                                                          |
| 5/4/2018 16:46 | 0                     | 0.0189                                                          |
| 5/4/2018 16:47 | 0                     | 0.0188                                                          |
| 5/4/2018 16:48 | 0                     | 0.0187                                                          |
| 5/4/2018 16:49 | 0                     | 0.0187                                                          |
| 5/4/2018 16:50 | 0                     | 0.0186                                                          |
| 5/4/2018 16:51 | 0                     | 0.0185                                                          |
| 5/4/2018 16:52 | 0                     | 0.0185                                                          |
| 5/4/2018 16:53 | 0                     | 0.0184                                                          |
| 5/4/2018 16:54 | 0                     | 0.0184                                                          |
| 5/4/2018 16:55 | 0                     | 0.0184                                                          |
| 5/4/2018 16:56 | 0                     | 0.0184                                                          |
| 5/4/2018 16:57 | 0                     | 0.0184                                                          |
| 5/4/2018 16:58 | 0                     | 0.0184                                                          |
| 5/4/2018 16:59 | 0                     | 0.0184                                                          |
| 5/4/2018 17:00 | 0                     | 0.0185                                                          |
| 5/4/2018 17:01 | 0                     | 0.0185                                                          |
| 5/4/2018 17:02 | 0                     | 0.0187                                                          |
| 5/4/2018 17:03 | 0                     | 0.0189                                                          |
| 5/4/2018 17:04 | 0                     | 0.019                                                           |
| 5/4/2018 17:05 | 0                     | 0.0191                                                          |
| 5/4/2018 17:06 | 0                     | 0.0193                                                          |
| 5/4/2018 17:07 | 0                     | 0.0194                                                          |
| 5/4/2018 17:08 | 0                     | 0.0195                                                          |
| 5/4/2018 17:09 | 0                     | 0.0196                                                          |
| 5/4/2018 17:10 | 0                     | 0.0197                                                          |
| 5/4/2018 17:11 | 0                     | 0.0197                                                          |
| 5/4/2018 17:12 | 0                     | 0.0199                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 17:13 | 0                     | 0.02                                                            |
| 5/4/2018 17:14 | 0                     | 0.0201                                                          |
| 5/4/2018 17:15 | 0                     | 0.0203                                                          |
| 5/4/2018 17:16 | 0                     | 0.0204                                                          |
| 5/4/2018 17:17 | 0                     | 0.0205                                                          |
| 5/4/2018 17:18 | 0                     | 0.0205                                                          |
| 5/4/2018 17:19 | 0                     | 0.0205                                                          |
| 5/4/2018 17:20 | 0                     | 0.0206                                                          |
| 5/4/2018 17:21 | 0                     | 0.0207                                                          |
| 5/4/2018 17:22 | 0                     | 0.0208                                                          |
| 5/4/2018 17:23 | 0                     | 0.0209                                                          |
| 5/4/2018 17:24 | 0                     | 0.0209                                                          |
| 5/4/2018 17:25 | 0                     | 0.0211                                                          |
| 5/4/2018 17:26 | 0                     | 0.0211                                                          |
| 5/4/2018 17:27 | 0                     | 0.0212                                                          |
| 5/4/2018 17:28 | 0                     | 0.0213                                                          |
| 5/4/2018 17:29 | 0                     | 0.0213                                                          |
| 5/4/2018 17:30 | 0                     | 0.0215                                                          |
| 5/4/2018 17:31 | 0                     | 0.0215                                                          |
| 5/4/2018 17:32 | 0                     | 0.0217                                                          |
| 5/4/2018 17:33 | 0                     | 0.0217                                                          |
| 5/4/2018 17:34 | 0                     | 0.0218                                                          |
| 5/4/2018 17:35 | 0                     | 0.0219                                                          |
| 5/4/2018 17:36 | 0                     | 0.022                                                           |
| 5/4/2018 17:37 | 0                     | 0.022                                                           |
| 5/4/2018 17:38 | 0                     | 0.0221                                                          |
| 5/4/2018 17:39 | 0                     | 0.0222                                                          |
| 5/4/2018 17:40 | 0                     | 0.0223                                                          |
| 5/4/2018 17:41 | 0                     | 0.0223                                                          |
| 5/4/2018 17:42 | 0                     | 0.0223                                                          |
| 5/4/2018 17:43 | 0                     | 0.0223                                                          |
| 5/4/2018 17:44 | 0                     | 0.0223                                                          |
| 5/4/2018 17:45 | 0                     | 0.0222                                                          |
| 5/4/2018 17:46 | 0                     | 0.0222                                                          |
| 5/4/2018 17:47 | 0                     | 0.0221                                                          |
| 5/4/2018 17:48 | 0                     | 0.0222                                                          |
| 5/4/2018 17:49 | 0                     | 0.0223                                                          |
| 5/4/2018 17:50 | 0                     | 0.0224                                                          |
| 5/4/2018 17:51 | 0                     | 0.0225                                                          |
| 5/4/2018 17:52 | 0                     | 0.0225                                                          |
| 5/4/2018 17:53 | 0                     | 0.0226                                                          |
| 5/4/2018 17:54 | 0                     | 0.0226                                                          |
| 5/4/2018 17:55 | 0                     | 0.0225                                                          |
| 5/4/2018 17:56 | 0                     | 0.0227                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 17:57 | 0                     | 0.0228                                                          |
| 5/4/2018 17:58 | 0                     | 0.0229                                                          |
| 5/4/2018 17:59 | 0                     | 0.023                                                           |
| 5/4/2018 18:00 | 0                     | 0.0231                                                          |
| 5/4/2018 18:01 | 0                     | 0.0231                                                          |
| 5/4/2018 18:02 | 0                     | 0.0236                                                          |
| 5/4/2018 18:03 | 0                     | 0.0237                                                          |
| 5/4/2018 18:04 | 0                     | 0.0237                                                          |
| 5/4/2018 18:05 | 0                     | 0.0237                                                          |
| 5/4/2018 18:06 | 0                     | 0.0237                                                          |
| 5/4/2018 18:07 | 0                     | 0.0238                                                          |
| 5/4/2018 18:08 | 0                     | 0.0239                                                          |
| 5/4/2018 18:09 | 0                     | 0.0239                                                          |
| 5/4/2018 18:10 | 0                     | 0.024                                                           |
| 5/4/2018 18:11 | 0                     | 0.0241                                                          |
| 5/4/2018 18:12 | 0                     | 0.0241                                                          |
| 5/4/2018 18:13 | 0                     | 0.0242                                                          |
| 5/4/2018 18:14 | 0                     | 0.0242                                                          |
| 5/4/2018 18:15 | 0                     | 0.0243                                                          |
| 5/4/2018 18:16 | 0                     | 0.0243                                                          |
| 5/4/2018 18:17 | 0                     | 0.024                                                           |
| 5/4/2018 18:18 | 0                     | 0.024                                                           |
| 5/4/2018 18:19 | 0                     | 0.024                                                           |
| 5/4/2018 18:20 | 0                     | 0.024                                                           |
| 5/4/2018 18:21 | 0                     | 0.024                                                           |
| 5/4/2018 18:22 | 0                     | 0.024                                                           |
| 5/4/2018 18:23 | 0                     | 0.024                                                           |
| 5/4/2018 18:24 | 0                     | 0.024                                                           |
| 5/4/2018 18:25 | 0                     | 0.0241                                                          |
| 5/4/2018 18:26 | 0                     | 0.0241                                                          |
| 5/4/2018 18:27 | 0                     | 0.0241                                                          |
| 5/4/2018 18:28 | 0                     | 0.0241                                                          |
| 5/4/2018 18:29 | 0                     | 0.0241                                                          |
| 5/4/2018 18:30 | 0                     | 0.0241                                                          |
| 5/4/2018 18:31 | 0                     | 0.024                                                           |
| 5/4/2018 18:32 | 0                     | 0.024                                                           |
| 5/4/2018 18:33 | 0                     | 0.024                                                           |
| 5/4/2018 18:34 | 0                     | 0.0239                                                          |
| 5/4/2018 18:35 | 0                     | 0.0239                                                          |
| 5/4/2018 18:36 | 0                     | 0.0238                                                          |
| 5/4/2018 18:37 | 0                     | 0.0238                                                          |
| 5/4/2018 18:38 | 0                     | 0.0237                                                          |
| 5/4/2018 18:39 | 0                     | 0.0237                                                          |
| 5/4/2018 18:40 | 0                     | 0.0236                                                          |



| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 18:41 | 0                     | 0.0235                                                          |
| 5/4/2018 18:42 | 0                     | 0.0235                                                          |
| 5/4/2018 18:43 | 0                     | 0.0234                                                          |
| 5/4/2018 18:44 | 0                     | 0.0233                                                          |
| 5/4/2018 18:45 | 0                     | 0.0233                                                          |
| 5/4/2018 18:46 | 0                     | 0.0233                                                          |
| 5/4/2018 18:47 | 0                     | 0.0231                                                          |
| 5/4/2018 18:48 | 0                     | 0.0231                                                          |
| 5/4/2018 18:49 | 0                     | 0.0231                                                          |
| 5/4/2018 18:50 | 0                     | 0.023                                                           |
| 5/4/2018 18:51 | 0                     | 0.023                                                           |
| 5/4/2018 18:52 | 0                     | 0.0229                                                          |
| 5/4/2018 18:53 | 0                     | 0.0229                                                          |
| 5/4/2018 18:54 | 0                     | 0.0227                                                          |
| 5/4/2018 18:55 | 0                     | 0.0227                                                          |
| 5/4/2018 18:56 | 0                     | 0.0227                                                          |
| 5/4/2018 18:57 | 0                     | 0.0227                                                          |
| 5/4/2018 18:58 | 0                     | 0.0226                                                          |
| 5/4/2018 18:59 | 0                     | 0.0225                                                          |
| 5/4/2018 19:00 | 0                     | 0.0225                                                          |
| 5/4/2018 19:01 | 0                     | 0.0224                                                          |
| 5/4/2018 19:02 | 0                     | 0.0225                                                          |
| 5/4/2018 19:03 | 0                     | 0.0224                                                          |
| 5/4/2018 19:04 | 0                     | 0.0223                                                          |
| 5/4/2018 19:05 | 0                     | 0.0223                                                          |
| 5/4/2018 19:06 | 0                     | 0.0223                                                          |
| 5/4/2018 19:07 | 0                     | 0.0223                                                          |
| 5/4/2018 19:08 | 0                     | 0.0222                                                          |
| 5/4/2018 19:09 | 0                     | 0.0223                                                          |
| 5/4/2018 19:10 | 0                     | 0.0222                                                          |
| 5/4/2018 19:11 | 0                     | 0.0222                                                          |
| 5/4/2018 19:12 | 0                     | 0.0221                                                          |
| 5/4/2018 19:13 | 0                     | 0.0221                                                          |
| 5/4/2018 19:14 | 0                     | 0.0221                                                          |
| 5/4/2018 19:15 | 0                     | 0.0221                                                          |
| 5/4/2018 19:16 | 0                     | 0.0221                                                          |
| 5/4/2018 19:17 | 0                     | 0.0221                                                          |
| 5/4/2018 19:18 | 0                     | 0.0221                                                          |
| 5/4/2018 19:19 | 0                     | 0.022                                                           |
| 5/4/2018 19:20 | 0                     | 0.0219                                                          |
| 5/4/2018 19:21 | 0                     | 0.0219                                                          |
| 5/4/2018 19:22 | 0                     | 0.0219                                                          |
| 5/4/2018 19:23 | 0                     | 0.0219                                                          |
| 5/4/2018 19:24 | 0                     | 0.0219                                                          |

| UPWIND         |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 19:25 | 0                     | 0.0219                                                          |
| 5/4/2018 19:26 | 0                     | 0.0218                                                          |
| 5/4/2018 19:27 | 0                     | 0.0217                                                          |
| 5/4/2018 19:28 | 0                     | 0.0217                                                          |
| 5/4/2018 19:29 | 0                     | 0.0216                                                          |
| 5/4/2018 19:30 | 0                     | 0.0215                                                          |
| 5/4/2018 19:31 | 0                     | 0.0215                                                          |
| 5/4/2018 19:32 | 0                     | 0.0215                                                          |
| 5/4/2018 19:33 | 0                     | 0.0214                                                          |
| 5/4/2018 19:34 | 0                     | 0.0215                                                          |
| 5/4/2018 19:35 | 0                     | 0.0215                                                          |
| 5/4/2018 19:36 | 0                     | 0.0215                                                          |
| 5/4/2018 19:37 | 0                     | 0.0215                                                          |
| 5/4/2018 19:38 | 0                     | 0.0215                                                          |
| 5/4/2018 19:39 | 0                     | 0.0215                                                          |
| 5/4/2018 19:40 | 0                     | 0.0215                                                          |
| 5/4/2018 19:41 | 0                     | 0.0215                                                          |
| 5/4/2018 19:42 | 0                     | 0.0215                                                          |
| 5/4/2018 19:43 | 0                     | 0.0215                                                          |
| 5/4/2018 19:44 | 0                     | 0.0215                                                          |
| 5/4/2018 19:45 | 0                     | 0.0215                                                          |
| 5/4/2018 19:46 | 0                     | 0.0214                                                          |
| 5/4/2018 19:47 | 0                     | 0.0214                                                          |
| 5/4/2018 19:48 | 0                     | 0.0214                                                          |
| 5/4/2018 19:49 | 0                     | 0.0213                                                          |
| 5/4/2018 19:50 | 0                     | 0.0213                                                          |
| 5/4/2018 19:51 | 0                     | 0.0213                                                          |
| 5/4/2018 19:52 | 0                     | 0.0212                                                          |
| 5/4/2018 19:53 | 0                     | 0.0211                                                          |
| 5/4/2018 19:54 | 0                     | 0.0211                                                          |
| 5/4/2018 19:55 | 0                     | 0.0211                                                          |
| 5/4/2018 19:56 | 0                     | 0.0211                                                          |
| 5/4/2018 19:57 | 0                     | 0.0211                                                          |
| 5/4/2018 19:58 | 0                     | 0.0211                                                          |
| 5/4/2018 19:59 | 0                     | 0.0212                                                          |
| 5/7/2018 12:04 |                       | 0.018                                                           |
| 5/7/2018 12:05 |                       | 0.012                                                           |
| 5/7/2018 12:05 |                       |                                                                 |
| 5/7/2018 12:06 |                       | 0.01                                                            |
| 5/7/2018 12:07 |                       | 0.009                                                           |
| 5/7/2018 12:08 |                       | 0.0084                                                          |
| 5/7/2018 12:09 |                       | 0.008                                                           |
| 5/7/2018 12:10 |                       | 0.0077                                                          |
| 5/7/2018 12:10 |                       |                                                                 |

UPWIND

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 12:11 |                       | 0.0075                                                          |
| 5/7/2018 12:12 |                       | 0.0073                                                          |
| 5/7/2018 12:13 |                       | 0.0072                                                          |
| 5/7/2018 12:14 |                       | 0.0071                                                          |
| 5/7/2018 12:15 |                       | 0.007                                                           |
| 5/7/2018 12:16 |                       | 0.0068                                                          |
| 5/7/2018 12:17 |                       | 0.0067                                                          |
| 5/7/2018 12:18 |                       | 0.0067                                                          |
| 5/7/2018 12:19 |                       | 0.0059                                                          |
| 5/7/2018 12:20 |                       | 0.0059                                                          |
| 5/7/2018 12:21 |                       | 0.0059                                                          |
| 5/7/2018 12:22 |                       | 0.0059                                                          |
| 5/7/2018 12:23 |                       | 0.0059                                                          |
| 5/7/2018 12:24 |                       | 0.0059                                                          |
| 5/7/2018 12:25 |                       | 0.0059                                                          |
| 5/7/2018 12:26 |                       | 0.0059                                                          |
| 5/7/2018 12:27 |                       | 0.0059                                                          |
| 5/7/2018 12:28 |                       | 0.0059                                                          |
| 5/7/2018 12:29 |                       | 0.0059                                                          |
| 5/7/2018 12:30 |                       | 0.0059                                                          |
| 5/7/2018 12:31 |                       | 0.006                                                           |
| 5/7/2018 12:32 |                       | 0.0061                                                          |
| 5/7/2018 12:33 |                       | 0.0061                                                          |
| 5/7/2018 12:34 |                       | 0.0061                                                          |
| 5/7/2018 12:35 |                       | 0.0061                                                          |
| 5/7/2018 12:36 |                       | 0.0061                                                          |
| 5/7/2018 12:37 |                       | 0.0062                                                          |
| 5/7/2018 12:38 |                       | 0.0062                                                          |
| 5/7/2018 12:39 |                       | 0.0063                                                          |
| 5/7/2018 12:40 |                       | 0.0063                                                          |
| 5/7/2018 12:41 |                       | 0.0063                                                          |
| 5/7/2018 12:42 |                       | 0.0063                                                          |
| 5/7/2018 12:43 |                       | 0.0063                                                          |
| 5/7/2018 12:44 |                       | 0.0065                                                          |
| 5/7/2018 12:45 |                       | 0.0072                                                          |
| 5/7/2018 12:46 |                       | 0.0073                                                          |
| 5/7/2018 12:47 |                       | 0.0073                                                          |
| 5/7/2018 12:48 |                       | 0.0073                                                          |
| 5/7/2018 12:49 |                       | 0.0073                                                          |
| 5/7/2018 12:50 |                       | 0.0073                                                          |
| 5/7/2018 12:51 |                       | 0.0073                                                          |
| 5/7/2018 12:52 |                       | 0.0072                                                          |
| 5/7/2018 12:53 |                       | 0.0072                                                          |
| 5/7/2018 12:54 |                       | 0.0072                                                          |

**UPWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 12:55 |                       | 0.0072                                                          |
| 5/7/2018 12:56 |                       | 0.0073                                                          |
| 5/7/2018 12:57 |                       | 0.0073                                                          |
| 5/7/2018 12:58 |                       | 0.0074                                                          |
| 5/7/2018 12:59 |                       | 0.0072                                                          |
| 5/7/2018 13:00 |                       | 0.0066                                                          |
| 5/7/2018 13:01 |                       | 0.0065                                                          |
| 5/7/2018 13:02 |                       | 0.0065                                                          |
| 5/7/2018 13:03 |                       | 0.0066                                                          |
| 5/7/2018 13:04 |                       | 0.0067                                                          |
| 5/7/2018 13:05 |                       | 0.0067                                                          |
| 5/7/2018 13:06 |                       | 0.0067                                                          |
| 5/7/2018 13:07 |                       | 0.0067                                                          |
| 5/7/2018 13:08 |                       | 0.0068                                                          |
| 5/7/2018 13:09 |                       | 0.0068                                                          |
| 5/7/2018 13:10 |                       | 0.0069                                                          |
| 5/7/2018 13:11 |                       | 0.0069                                                          |
| 5/7/2018 13:12 |                       | 0.007                                                           |
| 5/7/2018 13:13 |                       | 0.0073                                                          |
| 5/7/2018 13:14 |                       | 0.0077                                                          |
| 5/7/2018 13:15 |                       | 0.0093                                                          |
| 5/7/2018 13:16 |                       | 0.0111                                                          |
| 5/7/2018 13:17 |                       | 0.0123                                                          |
| 5/7/2018 13:18 |                       | 0.0125                                                          |
| 5/7/2018 13:19 |                       | 0.0128                                                          |
| 5/7/2018 13:20 |                       | 0.0129                                                          |
| 5/7/2018 13:21 |                       | 0.0129                                                          |
| 5/7/2018 13:22 |                       | 0.0129                                                          |
| 5/7/2018 13:23 |                       | 0.0129                                                          |
| 5/7/2018 13:24 |                       | 0.0129                                                          |
| 5/7/2018 13:25 |                       | 0.0129                                                          |
| 5/7/2018 13:26 |                       | 0.0129                                                          |
| 5/7/2018 13:27 |                       | 0.0129                                                          |
| 5/7/2018 13:28 |                       | 0.0125                                                          |
| 5/7/2018 13:29 |                       | 0.0121                                                          |
| 5/7/2018 13:30 |                       | 0.0106                                                          |
| 5/7/2018 13:31 |                       | 0.0089                                                          |
| 5/7/2018 13:32 |                       | 0.0076                                                          |
| 5/7/2018 13:33 |                       | 0.0074                                                          |
| 5/7/2018 13:34 |                       | 0.0071                                                          |
| 5/7/2018 13:35 |                       | 0.0071                                                          |
| 5/7/2018 13:36 |                       | 0.0071                                                          |
| 5/7/2018 13:37 |                       | 0.0071                                                          |
| 5/7/2018 13:38 |                       | 0.0072                                                          |

UPWIND

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 13:39 |                       | 0.0072                                                          |
| 5/7/2018 13:40 |                       | 0.0072                                                          |
| 5/7/2018 13:41 |                       | 0.0072                                                          |
| 5/7/2018 13:42 |                       | 0.0072                                                          |
| 5/7/2018 13:43 |                       | 0.0073                                                          |
| 5/7/2018 13:44 |                       | 0.0073                                                          |
| 5/7/2018 13:45 |                       | 0.0074                                                          |
| 5/7/2018 13:46 |                       | 0.0075                                                          |
| 5/7/2018 13:47 |                       | 0.0075                                                          |
| 5/7/2018 13:48 |                       | 0.0076                                                          |
| 5/7/2018 13:49 |                       | 0.0077                                                          |
| 5/7/2018 13:50 |                       | 0.0077                                                          |
| 5/7/2018 13:50 |                       |                                                                 |
| 5/7/2018 13:51 |                       | 0.0078                                                          |
| 5/7/2018 13:52 |                       | 0.0079                                                          |
| 5/7/2018 13:53 |                       | 0.0079                                                          |
| 5/7/2018 13:54 |                       | 0.008                                                           |
| 5/7/2018 13:55 |                       | 0.0081                                                          |
| 5/7/2018 13:56 |                       | 0.0081                                                          |
| 5/7/2018 13:57 |                       | 0.0081                                                          |
| 5/7/2018 13:58 |                       | 0.0081                                                          |
| 5/7/2018 13:59 |                       | 0.0081                                                          |
| 5/7/2018 14:00 |                       | 0.0081                                                          |
| 5/7/2018 14:01 |                       | 0.0081                                                          |
| 5/7/2018 14:02 |                       | 0.0081                                                          |
| 5/7/2018 14:03 |                       | 0.0081                                                          |
| 5/7/2018 14:04 |                       | 0.0081                                                          |
| 5/7/2018 14:05 |                       | 0.0081                                                          |
| 5/7/2018 14:06 |                       | 0.0081                                                          |
| 5/7/2018 14:07 |                       | 0.0081                                                          |
| 5/7/2018 14:08 |                       | 0.008                                                           |
| 5/7/2018 14:09 |                       | 0.008                                                           |
| 5/7/2018 14:10 |                       | 0.008                                                           |
| 5/7/2018 14:11 |                       | 0.008                                                           |
| 5/7/2018 14:12 |                       | 0.008                                                           |
| 5/7/2018 14:13 |                       | 0.008                                                           |
| 5/7/2018 14:14 |                       | 0.008                                                           |
| 5/7/2018 14:15 |                       | 0.008                                                           |
| 5/7/2018 14:16 |                       | 0.008                                                           |
| 5/7/2018 14:17 |                       | 0.008                                                           |
| 5/7/2018 14:18 |                       | 0.008                                                           |
| 5/7/2018 14:19 |                       | 0.008                                                           |
| 5/7/2018 14:20 |                       | 0.008                                                           |
| 5/7/2018 14:21 |                       | 0.008                                                           |

**UPWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 14:22 |                       | 0.008                                                           |
| 5/7/2018 14:23 |                       | 0.008                                                           |
| 5/7/2018 14:24 |                       | 0.008                                                           |
| 5/7/2018 14:25 |                       | 0.0082                                                          |
| 5/7/2018 14:26 |                       | 0.0082                                                          |
| 5/7/2018 14:27 |                       | 0.0082                                                          |
| 5/7/2018 14:28 |                       | 0.0083                                                          |
| 5/7/2018 14:29 |                       | 0.0083                                                          |
| 5/7/2018 14:30 |                       | 0.0083                                                          |
| 5/7/2018 14:31 |                       | 0.0083                                                          |
| 5/7/2018 14:32 |                       | 0.0083                                                          |
| 5/7/2018 14:33 |                       | 0.0083                                                          |
| 5/7/2018 14:34 |                       | 0.0084                                                          |
| 5/7/2018 14:35 |                       | 0.0085                                                          |
| 5/7/2018 14:36 |                       | 0.0085                                                          |
| 5/7/2018 14:37 |                       | 0.009                                                           |
| 5/7/2018 14:38 |                       | 0.0102                                                          |
| 5/7/2018 14:39 |                       | 0.0103                                                          |
| 5/7/2018 14:40 |                       | 0.0103                                                          |
| 5/7/2018 14:41 |                       | 0.0105                                                          |
| 5/7/2018 14:42 |                       | 0.0107                                                          |
| 5/7/2018 14:43 |                       | 0.0107                                                          |
| 5/7/2018 14:44 |                       | 0.0107                                                          |
| 5/7/2018 14:45 |                       | 0.0108                                                          |
| 5/7/2018 14:46 |                       | 0.0109                                                          |
| 5/7/2018 14:47 |                       | 0.0109                                                          |
| 5/7/2018 14:48 |                       | 0.011                                                           |
| 5/7/2018 14:49 |                       | 0.011                                                           |
| 5/7/2018 14:50 |                       | 0.011                                                           |
| 5/7/2018 14:51 |                       | 0.0111                                                          |
| 5/7/2018 14:52 |                       | 0.0106                                                          |
| 5/7/2018 14:53 |                       | 0.0095                                                          |
| 5/7/2018 14:54 |                       | 0.0094                                                          |
| 5/7/2018 14:55 |                       | 0.0091                                                          |
| 5/7/2018 14:56 |                       | 0.009                                                           |
| 5/7/2018 14:57 |                       | 0.0089                                                          |
| 5/7/2018 14:58 |                       | 0.0089                                                          |
| 5/7/2018 14:59 |                       | 0.0088                                                          |
| 5/7/2018 15:00 |                       | 0.0088                                                          |
| 5/7/2018 15:01 |                       | 0.0088                                                          |
| 5/7/2018 15:02 |                       | 0.0089                                                          |
| 5/7/2018 15:03 |                       | 0.0089                                                          |
| 5/7/2018 15:04 |                       | 0.0089                                                          |
| 5/7/2018 15:05 |                       | 0.0089                                                          |

UPWIND

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 15:06 |                       | 0.0089                                                          |
| 5/7/2018 15:07 |                       | 0.0089                                                          |
| 5/7/2018 15:08 |                       | 0.0089                                                          |
| 5/7/2018 15:09 |                       | 0.009                                                           |
| 5/7/2018 15:10 |                       | 0.0091                                                          |
| 5/7/2018 15:11 |                       | 0.0091                                                          |
| 5/7/2018 15:12 |                       | 0.0091                                                          |
| 5/7/2018 15:13 |                       | 0.0091                                                          |
| 5/7/2018 15:14 |                       | 0.0091                                                          |
| 5/7/2018 15:15 |                       | 0.0091                                                          |
| 5/7/2018 15:16 |                       | 0.0091                                                          |
| 5/7/2018 15:17 |                       | 0.009                                                           |
| 5/7/2018 15:18 |                       | 0.009                                                           |
| 5/7/2018 15:19 |                       | 0.009                                                           |
| 5/7/2018 15:20 |                       | 0.009                                                           |
| 5/7/2018 15:21 |                       | 0.0091                                                          |
| 5/7/2018 15:22 |                       | 0.0091                                                          |
| 5/7/2018 15:23 |                       | 0.0091                                                          |
| 5/7/2018 15:24 |                       | 0.0091                                                          |
| 5/7/2018 15:25 |                       | 0.0091                                                          |
| 5/7/2018 15:26 |                       | 0.0091                                                          |
| 5/7/2018 15:27 |                       | 0.0091                                                          |
| 5/7/2018 15:28 |                       | 0.0091                                                          |
| 5/7/2018 15:29 |                       | 0.0091                                                          |
| 5/7/2018 15:30 |                       | 0.0091                                                          |
| 5/7/2018 15:31 |                       | 0.0091                                                          |
| 5/7/2018 15:32 |                       | 0.0091                                                          |
| 5/7/2018 15:33 |                       | 0.0092                                                          |
| 5/7/2018 15:34 |                       | 0.0092                                                          |
| 5/7/2018 15:35 |                       | 0.0092                                                          |
| 5/7/2018 15:36 |                       | 0.0091                                                          |
| 5/7/2018 15:37 |                       | 0.0091                                                          |
| 5/7/2018 15:38 |                       | 0.0092                                                          |
| 5/7/2018 15:39 |                       | 0.0093                                                          |
| 5/7/2018 15:40 |                       | 0.0093                                                          |
| 5/7/2018 15:41 |                       | 0.0094                                                          |
| 5/7/2018 15:42 |                       | 0.0095                                                          |
| 5/7/2018 15:43 |                       | 0.0095                                                          |
| 5/7/2018 15:44 |                       | 0.0095                                                          |
| 5/7/2018 15:45 |                       | 0.0096                                                          |
| 5/7/2018 15:46 |                       | 0.0097                                                          |
| 5/7/2018 15:47 |                       | 0.0097                                                          |
| 5/7/2018 15:48 |                       | 0.0097                                                          |
| 5/7/2018 15:49 |                       | 0.0098                                                          |

UPWIND

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 15:50 |                       | 0.0099                                                          |
| 5/7/2018 15:51 |                       | 0.0101                                                          |
| 5/7/2018 15:52 |                       | 0.0101                                                          |
| 5/7/2018 15:53 |                       | 0.0103                                                          |
| 5/7/2018 15:54 |                       | 0.0103                                                          |
| 5/7/2018 15:55 |                       | 0.0103                                                          |
| 5/7/2018 15:56 |                       | 0.0103                                                          |
| 5/7/2018 15:57 |                       | 0.0103                                                          |
| 5/7/2018 15:58 |                       | 0.0105                                                          |
| 5/7/2018 15:59 |                       | 0.0105                                                          |
| 5/7/2018 16:00 |                       | 0.0105                                                          |
| 5/7/2018 16:01 |                       | 0.0105                                                          |
| 5/7/2018 16:02 |                       | 0.0105                                                          |
| 5/7/2018 16:03 |                       | 0.0105                                                          |
| 5/7/2018 16:04 |                       | 0.0105                                                          |
| 5/7/2018 16:05 |                       | 0.0105                                                          |
| 5/7/2018 16:06 |                       | 0.0104                                                          |
| 5/7/2018 16:07 |                       | 0.0104                                                          |
| 5/7/2018 16:08 |                       | 0.0103                                                          |
| 5/7/2018 16:09 |                       | 0.0102                                                          |
| 5/7/2018 16:10 |                       | 0.0102                                                          |
| 5/7/2018 16:11 |                       | 0.0102                                                          |
| 5/7/2018 16:12 |                       | 0.0102                                                          |
| 5/7/2018 16:13 |                       | 0.0101                                                          |
| 5/7/2018 16:14 |                       | 0.0101                                                          |
| 5/7/2018 16:15 |                       | 0.01                                                            |
| 5/7/2018 16:16 |                       | 0.0102                                                          |
| 5/7/2018 16:17 |                       | 0.0102                                                          |
| 5/7/2018 16:18 |                       | 0.0102                                                          |
| 5/7/2018 16:19 |                       | 0.0102                                                          |
| 5/7/2018 16:20 |                       | 0.0102                                                          |
| 5/7/2018 16:21 |                       | 0.0105                                                          |
| 5/7/2018 16:22 |                       | 0.0109                                                          |
| 5/7/2018 16:23 |                       | 0.011                                                           |
| 5/7/2018 16:24 |                       | 0.0111                                                          |
| 5/7/2018 16:25 |                       | 0.0111                                                          |
| 5/7/2018 16:26 |                       | 0.0112                                                          |
| 5/7/2018 16:27 |                       | 0.0113                                                          |
| 5/7/2018 16:28 |                       | 0.0113                                                          |
| 5/7/2018 16:29 |                       | 0.0114                                                          |
| 5/7/2018 16:30 |                       | 0.0115                                                          |
| 5/7/2018 16:31 |                       | 0.0113                                                          |
| 5/7/2018 16:32 |                       | 0.0114                                                          |
| 5/7/2018 16:33 |                       | 0.0115                                                          |



**UPWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 16:34 |                       | 0.0115                                                          |
| 5/7/2018 16:35 |                       | 0.0115                                                          |
| 5/7/2018 16:36 |                       | 0.0113                                                          |
| 5/7/2018 16:37 |                       | 0.0108                                                          |
| 5/7/2018 16:38 |                       | 0.0108                                                          |
| 5/7/2018 16:39 |                       | 0.0107                                                          |
| 5/7/2018 16:40 |                       | 0.0107                                                          |
| 5/7/2018 16:41 |                       | 0.0107                                                          |
| 5/7/2018 16:42 |                       | 0.0106                                                          |
| 5/7/2018 16:43 |                       | 0.0105                                                          |
| 5/7/2018 16:44 |                       | 0.0105                                                          |
| 5/7/2018 16:45 |                       | 0.0104                                                          |
| 5/7/2018 16:46 |                       | 0.0104                                                          |
| 5/7/2018 16:47 |                       | 0.0103                                                          |
| 5/7/2018 16:48 |                       | 0.0103                                                          |
| 5/7/2018 16:49 |                       | 0.0102                                                          |
| 5/7/2018 16:50 |                       | 0.0102                                                          |
| 5/7/2018 16:51 |                       | 0.0102                                                          |
| 5/7/2018 16:52 |                       | 0.0102                                                          |
| 5/7/2018 16:53 |                       | 0.0101                                                          |
| 5/7/2018 16:54 |                       | 0.0102                                                          |
| 5/7/2018 16:55 |                       | 0.0103                                                          |
| 5/7/2018 16:56 |                       | 0.0103                                                          |
| 5/7/2018 16:57 |                       | 0.0105                                                          |
| 5/7/2018 16:58 |                       | 0.0105                                                          |
| 5/7/2018 16:59 |                       | 0.0105                                                          |
| 5/7/2018 17:00 |                       | 0.0106                                                          |
| 5/7/2018 17:01 |                       | 0.0107                                                          |
| 5/7/2018 17:02 |                       | 0.0107                                                          |
| 5/7/2018 17:03 |                       | 0.0109                                                          |
| 5/7/2018 17:04 |                       | 0.0109                                                          |
| 5/7/2018 17:05 |                       | 0.011                                                           |
| 5/7/2018 17:06 |                       | 0.0111                                                          |
| 5/7/2018 17:07 |                       | 0.0112                                                          |
| 5/7/2018 17:08 |                       | 0.0113                                                          |
| 5/7/2018 17:09 |                       | 0.0113                                                          |
| 5/7/2018 17:10 |                       | 0.0113                                                          |
| 5/7/2018 17:11 |                       | 0.0115                                                          |
| 5/7/2018 17:12 |                       | 0.0114                                                          |
| 5/7/2018 17:13 |                       | 0.0114                                                          |
| 5/7/2018 17:14 |                       | 0.0115                                                          |
| 5/7/2018 17:15 |                       | 0.0116                                                          |
| 5/7/2018 17:16 |                       | 0.0116                                                          |
| 5/7/2018 17:17 |                       | 0.0116                                                          |

UPWIND

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 17:18 |                       | 0.0115                                                          |
| 5/7/2018 17:19 |                       | 0.0115                                                          |
| 5/7/2018 17:20 |                       | 0.0115                                                          |
| 5/7/2018 17:21 |                       | 0.0116                                                          |
| 5/7/2018 17:22 |                       | 0.0117                                                          |
| 5/7/2018 17:23 |                       | 0.0116                                                          |
| 5/7/2018 17:24 |                       | 0.0117                                                          |
| 5/7/2018 17:25 |                       | 0.0117                                                          |
| 5/7/2018 17:26 |                       | 0.0115                                                          |
| 5/7/2018 17:27 |                       | 0.0115                                                          |
| 5/7/2018 17:28 |                       | 0.0117                                                          |
| 5/7/2018 17:29 |                       | 0.0118                                                          |
| 5/7/2018 17:30 |                       | 0.0118                                                          |
| 5/7/2018 17:31 |                       | 0.0117                                                          |
| 5/7/2018 17:32 |                       | 0.0117                                                          |
| 5/7/2018 17:33 |                       | 0.0119                                                          |
| 5/7/2018 17:34 |                       | 0.0119                                                          |
| 5/7/2018 17:35 |                       | 0.0121                                                          |
| 5/7/2018 17:36 |                       | 0.012                                                           |
| 5/7/2018 17:37 |                       | 0.0119                                                          |
| 5/7/2018 17:38 |                       | 0.0119                                                          |
| 5/7/2018 17:39 |                       | 0.0119                                                          |
| 5/7/2018 17:40 |                       | 0.0119                                                          |
| 5/7/2018 17:41 |                       | 0.0119                                                          |
| 5/7/2018 17:42 |                       | 0.012                                                           |
| 5/7/2018 17:43 |                       | 0.0117                                                          |
| 5/7/2018 17:44 |                       | 0.0116                                                          |
| 5/7/2018 17:45 |                       | 0.0115                                                          |
| 5/7/2018 17:46 |                       | 0.0115                                                          |
| 5/7/2018 17:47 |                       | 0.0115                                                          |
| 5/7/2018 17:48 |                       | 0.0114                                                          |
| 5/7/2018 17:49 |                       | 0.0114                                                          |
| 5/7/2018 17:50 |                       | 0.0113                                                          |
| 5/7/2018 17:51 |                       | 0.0113                                                          |
| 5/7/2018 17:52 |                       | 0.0112                                                          |
| 5/7/2018 17:53 |                       | 0.0112                                                          |
| 5/7/2018 17:54 |                       | 0.0113                                                          |
| 5/7/2018 17:55 |                       | 0.0113                                                          |
| 5/7/2018 17:56 |                       | 0.0114                                                          |
| 5/7/2018 17:57 |                       | 0.0113                                                          |
| 5/7/2018 17:58 |                       | 0.0114                                                          |
| 5/7/2018 17:59 |                       | 0.0115                                                          |
| 5/7/2018 18:00 |                       | 0.0115                                                          |
| 5/7/2018 18:01 |                       | 0.0115                                                          |

UPWIND

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 18:02 |                       | 0.0115                                                          |
| 5/7/2018 18:03 |                       | 0.0116                                                          |
| 5/7/2018 18:04 |                       | 0.0117                                                          |
| 5/7/2018 18:05 |                       | 0.0118                                                          |
| 5/7/2018 18:06 |                       | 0.0119                                                          |
| 5/7/2018 18:07 |                       | 0.0121                                                          |
| 5/7/2018 18:08 |                       | 0.0122                                                          |
| 5/7/2018 18:09 |                       | 0.0123                                                          |
| 5/7/2018 18:10 |                       | 0.0123                                                          |
| 5/7/2018 18:11 |                       | 0.0124                                                          |
| 5/7/2018 18:12 |                       | 0.0125                                                          |
| 5/7/2018 18:13 |                       | 0.0126                                                          |
| 5/7/2018 18:18 | 0                     | 0.0031                                                          |

**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/3/2018 13:21 | 0                     | 0.006                                                           |
| 5/3/2018 13:22 | 0                     | 0.006                                                           |
| 5/3/2018 13:23 | 0                     | 0.0057                                                          |
| 5/3/2018 13:24 | 0                     | 0.0055                                                          |
| 5/3/2018 13:25 | 0                     | 0.0054                                                          |
| 5/3/2018 13:26 | 0                     | 0.0055                                                          |
| 5/3/2018 13:27 | 0                     | 0.0054                                                          |
| 5/3/2018 13:28 | 0                     | 0.0054                                                          |
| 5/3/2018 13:29 | 0                     | 0.0052                                                          |
| 5/3/2018 13:30 | 0                     | 0.0051                                                          |
| 5/3/2018 13:31 | 0                     | 0.0051                                                          |
| 5/3/2018 13:32 | 0                     | 0.005                                                           |
| 5/3/2018 13:33 | 0                     | 0.0049                                                          |
| 5/3/2018 13:34 | 0                     | 0.0049                                                          |
| 5/3/2018 13:35 | 0                     | 0.0048                                                          |
| 5/3/2018 13:36 | 0                     | 0.0047                                                          |
| 5/3/2018 13:37 | 0                     | 0.0045                                                          |
| 5/3/2018 13:38 | 0                     | 0.0044                                                          |
| 5/3/2018 13:39 | 0                     | 0.0043                                                          |
| 5/3/2018 13:40 | 0                     | 0.0041                                                          |
| 5/3/2018 13:40 |                       |                                                                 |
| 5/3/2018 13:41 | 0                     | 0.0039                                                          |
| 5/3/2018 13:42 | 0                     | 0.0038                                                          |
| 5/3/2018 13:43 | 0                     | 0.0036                                                          |
| 5/3/2018 13:44 | 0                     | 0.0035                                                          |
| 5/3/2018 13:45 | 0                     | 0.0034                                                          |
| 5/3/2018 13:46 | 0                     | 0.0033                                                          |
| 5/3/2018 13:47 | 0                     | 0.0031                                                          |
| 5/3/2018 13:48 | 0                     | 0.003                                                           |
| 5/3/2018 13:49 | 0                     | 0.0029                                                          |
| 5/3/2018 13:50 | 0                     | 0.0027                                                          |
| 5/3/2018 13:51 | 0                     | 0.0026                                                          |
| 5/3/2018 13:52 | 0                     | 0.0025                                                          |
| 5/3/2018 13:53 | 0                     | 0.0024                                                          |
| 5/3/2018 13:54 | 0                     | 0.0023                                                          |
| 5/3/2018 13:55 | 0                     | 0.0021                                                          |
| 5/3/2018 13:56 | 0                     | 0.002                                                           |
| 5/3/2018 13:57 | 0                     | 0.0019                                                          |
| 5/3/2018 13:58 | 0                     | 0.0019                                                          |
| 5/3/2018 13:59 | 0                     | 0.0019                                                          |
| 5/3/2018 14:00 | 0                     | 0.0017                                                          |
| 5/3/2018 14:01 | 0                     | 0.0016                                                          |
| 5/3/2018 14:02 | 0                     | 0.0015                                                          |
| 5/3/2018 14:03 | 0                     | 0.0015                                                          |

**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/3/2018 14:04 | 0                     | 0.0014                                                          |
| 5/3/2018 14:05 | 0                     | 0.0013                                                          |
| 5/3/2018 14:06 | 0                     | 0.0013                                                          |
| 5/3/2018 14:07 | 0                     | 0.0012                                                          |
| 5/3/2018 14:08 | 0                     | 0.0011                                                          |
| 5/3/2018 14:09 | 0                     | 0.0011                                                          |
| 5/3/2018 14:10 | 0                     | 0.0011                                                          |
| 5/3/2018 14:11 | 0                     | 0.0011                                                          |
| 5/3/2018 14:12 | 0                     | 0.0011                                                          |
| 5/3/2018 14:13 | 0                     | 0.0011                                                          |
| 5/3/2018 14:14 | 0                     | 0.001                                                           |
| 5/3/2018 14:15 | 0                     | 0.001                                                           |
| 5/3/2018 14:16 | 0                     | 0.001                                                           |
| 5/3/2018 14:17 | 0                     | 0.0009                                                          |
| 5/3/2018 14:18 | 0                     | 0.0009                                                          |
| 5/3/2018 14:19 | 0                     | 0.0009                                                          |
| 5/3/2018 14:20 | 0                     | 0.0009                                                          |
| 5/3/2018 14:21 | 0                     | 0.0008                                                          |
| 5/3/2018 14:22 | 0                     | 0.0007                                                          |
| 5/3/2018 14:23 | 0                     | 0.0007                                                          |
| 5/3/2018 14:24 | 0                     | 0.0006                                                          |
| 5/3/2018 14:25 | 0                     | 0.0005                                                          |
| 5/3/2018 14:26 | 0                     | 0.0005                                                          |
| 5/3/2018 14:27 | 0                     | 0.0005                                                          |
| 5/3/2018 14:28 | 0                     | 0.0005                                                          |
| 5/3/2018 14:29 | 0                     | 0.0004                                                          |
| 5/3/2018 14:30 | 0                     | 0.0003                                                          |
| 5/3/2018 14:31 | 0                     | 0.0003                                                          |
| 5/3/2018 14:32 | 0                     | 0.0003                                                          |
| 5/3/2018 14:33 | 0                     | 0.0003                                                          |
| 5/3/2018 14:34 | 0                     | 0.0003                                                          |
| 5/3/2018 14:35 | 0                     | 0.0004                                                          |
| 5/3/2018 14:36 | 0                     | 0.0004                                                          |
| 5/3/2018 14:37 | 0                     | 0.0004                                                          |
| 5/3/2018 14:38 | 0                     | 0.0004                                                          |
| 5/3/2018 14:39 | 0                     | 0.0004                                                          |
| 5/3/2018 14:40 | 0                     | 0.0005                                                          |
| 5/3/2018 14:41 | 0                     | 0.0004                                                          |
| 5/3/2018 14:42 | 0                     | 0.0004                                                          |
| 5/3/2018 14:43 | 0                     | 0.0003                                                          |
| 5/3/2018 14:44 | 0                     | 0.0003                                                          |
| 5/3/2018 14:45 | 0                     | 0.0003                                                          |
| 5/3/2018 14:46 | 0                     | 0.0003                                                          |
| 5/3/2018 14:47 | 0                     | 0.0003                                                          |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 14:48 | 0                     | 0.0003                                                          |
| 5/3/2018 14:49 | 0                     | 0.0002                                                          |
| 5/3/2018 14:50 | 0                     | 0.0003                                                          |
| 5/3/2018 14:51 | 0                     | 0.0003                                                          |
| 5/3/2018 14:52 | 0                     | 0.0003                                                          |
| 5/3/2018 14:53 | 0                     | 0.0003                                                          |
| 5/3/2018 14:54 | 0                     | 0.0003                                                          |
| 5/3/2018 14:55 | 0                     | 0.0002                                                          |
| 5/3/2018 14:56 | 0                     | 0.0002                                                          |
| 5/3/2018 14:57 | 0                     | 0.0003                                                          |
| 5/3/2018 14:58 | 0                     | 0.0003                                                          |
| 5/3/2018 14:59 | 0                     | 0.0004                                                          |
| 5/3/2018 15:00 | 0                     | 0.0004                                                          |
| 5/3/2018 15:01 | 0                     | 0.0005                                                          |
| 5/3/2018 15:02 | 0                     | 0.0005                                                          |
| 5/3/2018 15:03 | 0                     | 0.0005                                                          |
| 5/3/2018 15:04 | 0                     | 0.0006                                                          |
| 5/3/2018 15:05 | 0                     | 0.0005                                                          |
| 5/3/2018 15:06 | 0                     | 0.0005                                                          |
| 5/3/2018 15:07 | 0                     | 0.0005                                                          |
| 5/3/2018 15:08 | 0                     | 0.0006                                                          |
| 5/3/2018 15:09 | 0                     | 0.0006                                                          |
| 5/3/2018 15:10 | 0                     | 0.0006                                                          |
| 5/3/2018 15:11 | 0                     | 0.0006                                                          |
| 5/3/2018 15:12 | 0                     | 0.0005                                                          |
| 5/3/2018 15:13 | 0                     | 0.0005                                                          |
| 5/3/2018 15:14 | 0                     | 0.0004                                                          |
| 5/3/2018 15:15 | 0                     | 0.0004                                                          |
| 5/3/2018 15:16 | 0                     | 0.0003                                                          |
| 5/3/2018 15:17 | 0                     | 0.0003                                                          |
| 5/3/2018 15:18 | 0                     | 0.0003                                                          |
| 5/3/2018 15:19 | 0                     | 0.0002                                                          |
| 5/3/2018 15:20 | 0                     | 0.0002                                                          |
| 5/3/2018 15:21 | 0                     | 0.0002                                                          |
| 5/3/2018 15:22 | 0                     | 0.0001                                                          |
| 5/3/2018 15:23 | 0                     | 0.0001                                                          |
| 5/3/2018 15:24 | 0                     | 0.0001                                                          |
| 5/3/2018 15:25 | 0                     | 0.0001                                                          |
| 5/3/2018 15:26 | 0                     | 0.0001                                                          |
| 5/3/2018 15:27 | 0                     | 0.0001                                                          |
| 5/3/2018 15:28 | 0                     | 0.0001                                                          |
| 5/3/2018 15:29 | 0                     | 0.0001                                                          |
| 5/3/2018 15:30 | 0                     | 0.0001                                                          |
| 5/3/2018 15:31 | 0                     | 0.0001                                                          |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 15:32 | 0                     | 0                                                               |
| 5/3/2018 15:33 | 0                     | 0                                                               |
| 5/3/2018 15:34 | 0                     | 0                                                               |
| 5/3/2018 15:35 | 0                     | 0.0001                                                          |
| 5/3/2018 15:36 | 0                     | 0.0001                                                          |
| 5/3/2018 15:37 | 0                     | 0.0001                                                          |
| 5/3/2018 15:38 | 0                     | 0.0002                                                          |
| 5/3/2018 15:39 | 0                     | 0.0002                                                          |
| 5/3/2018 15:40 | 0                     | 0.0002                                                          |
| 5/3/2018 15:41 | 0                     | 0.0003                                                          |
| 5/3/2018 15:42 | 0                     | 0.0003                                                          |
| 5/3/2018 15:43 | 0                     | 0.0003                                                          |
| 5/3/2018 15:44 | 0                     | 0.0003                                                          |
| 5/3/2018 15:45 | 0                     | 0.0003                                                          |
| 5/3/2018 15:46 | 0                     | 0.0003                                                          |
| 5/3/2018 15:47 | 0                     | 0.0003                                                          |
| 5/3/2018 15:48 | 0                     | 0.0003                                                          |
| 5/3/2018 15:49 | 0                     | 0.0003                                                          |
| 5/3/2018 15:50 | 0                     | 0.0002                                                          |
| 5/3/2018 15:51 | 0                     | 0.0001                                                          |
| 5/3/2018 15:52 | 0                     | 0.0001                                                          |
| 5/3/2018 15:53 | 0                     | 0.0001                                                          |
| 5/3/2018 15:54 | 0                     | 0.0001                                                          |
| 5/3/2018 15:55 | 0                     | 0.0001                                                          |
| 5/3/2018 15:56 | 0                     | 0.0001                                                          |
| 5/3/2018 15:57 | 0                     | 0.0001                                                          |
| 5/3/2018 15:58 | 0                     | 0.0001                                                          |
| 5/3/2018 15:59 | 0                     | 0.0001                                                          |
| 5/3/2018 16:00 | 0                     | 0.0001                                                          |
| 5/3/2018 16:01 | 0                     | 0.0001                                                          |
| 5/3/2018 16:02 | 0                     | 0.0001                                                          |
| 5/3/2018 16:03 | 0                     | 0.0001                                                          |
| 5/3/2018 16:04 | 0                     | 0.0001                                                          |
| 5/3/2018 16:05 | 0                     | 0.0001                                                          |
| 5/3/2018 16:06 | 0                     | 0.0001                                                          |
| 5/3/2018 16:07 | 0                     | 0.0001                                                          |
| 5/3/2018 16:08 | 0                     | 0.0001                                                          |
| 5/3/2018 16:09 | 0                     | 0.0001                                                          |
| 5/3/2018 16:10 | 0                     | 0.0001                                                          |
| 5/3/2018 16:11 | 0                     | 0                                                               |
| 5/3/2018 16:12 | 0                     | 0                                                               |
| 5/3/2018 16:13 | 0                     | 0                                                               |
| 5/3/2018 16:14 | 0                     | 0                                                               |
| 5/3/2018 16:15 | 0                     | 0                                                               |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 16:16 | 0                     | 0                                                               |
| 5/3/2018 16:17 | 0                     | 0                                                               |
| 5/3/2018 16:18 | 0                     | 0                                                               |
| 5/3/2018 16:19 | 0                     | 0                                                               |
| 5/3/2018 16:20 | 0                     | 0                                                               |
| 5/3/2018 16:21 | 0                     | 0                                                               |
| 5/3/2018 16:22 | 0                     | 0                                                               |
| 5/3/2018 16:23 | 0                     | 0                                                               |
| 5/3/2018 16:24 | 0                     | 0                                                               |
| 5/3/2018 16:25 | 0                     | 0                                                               |
| 5/3/2018 16:26 | 0                     | 0                                                               |
| 5/3/2018 16:27 | 0                     | 0                                                               |
| 5/3/2018 16:28 | 0                     | 0                                                               |
| 5/3/2018 16:29 | 0                     | 0                                                               |
| 5/3/2018 16:30 | 0                     | 0                                                               |
| 5/3/2018 16:31 | 0                     | 0.0001                                                          |
| 5/3/2018 16:32 | 0                     | 0.0001                                                          |
| 5/3/2018 16:33 | 0                     | 0.0001                                                          |
| 5/3/2018 16:34 | 0                     | 0.0001                                                          |
| 5/3/2018 16:35 | 0                     | 0.0001                                                          |
| 5/3/2018 16:36 | 0                     | 0.0001                                                          |
| 5/3/2018 16:37 | 0                     | 0.0001                                                          |
| 5/3/2018 16:38 | 0                     | 0.0001                                                          |
| 5/3/2018 16:39 | 0                     | 0.0001                                                          |
| 5/3/2018 16:40 | 0                     | 0.0001                                                          |
| 5/3/2018 16:41 | 0                     | 0.0001                                                          |
| 5/3/2018 16:42 | 0                     | 0.0001                                                          |
| 5/3/2018 16:43 | 0                     | 0.0001                                                          |
| 5/3/2018 16:44 | 0                     | 0.0001                                                          |
| 5/3/2018 16:45 | 0                     | 0.0001                                                          |
| 5/3/2018 16:46 | 0                     | 0                                                               |
| 5/3/2018 16:47 | 0                     | 0                                                               |
| 5/3/2018 16:48 | 0                     | 0                                                               |
| 5/3/2018 16:49 | 0                     | 0.0001                                                          |
| 5/3/2018 16:50 | 0                     | 0.0001                                                          |
| 5/3/2018 16:51 | 0                     | 0.0001                                                          |
| 5/3/2018 16:52 | 0                     | 0.0001                                                          |
| 5/3/2018 16:53 | 0                     | 0.0001                                                          |
| 5/3/2018 16:54 | 0                     | 0.0001                                                          |
| 5/3/2018 16:55 | 0                     | 0.0001                                                          |
| 5/3/2018 16:56 | 0                     | 0.0001                                                          |
| 5/3/2018 16:57 | 0                     | 0.0001                                                          |
| 5/3/2018 16:58 | 0                     | 0.0001                                                          |
| 5/3/2018 16:59 | 0                     | 0.0001                                                          |



**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/3/2018 17:00 | 0                     | 0.0001                                                          |
| 5/3/2018 17:01 | 0                     | 0.0001                                                          |
| 5/3/2018 17:02 | 0                     | 0.0001                                                          |
| 5/3/2018 17:03 | 0                     | 0.0001                                                          |
| 5/3/2018 17:04 | 0                     | 0.0002                                                          |
| 5/3/2018 17:05 | 0                     | 0.0003                                                          |
| 5/3/2018 17:06 | 0                     | 0.0003                                                          |
| 5/3/2018 17:07 | 0                     | 0.0003                                                          |
| 5/3/2018 17:08 | 0                     | 0.0003                                                          |
| 5/3/2018 17:09 | 0                     | 0.0003                                                          |
| 5/3/2018 17:10 | 0                     | 0.0003                                                          |
| 5/3/2018 17:11 | 0                     | 0.0003                                                          |
| 5/3/2018 17:12 | 0                     | 0.0004                                                          |
| 5/3/2018 17:13 | 0                     | 0.0004                                                          |
| 5/3/2018 17:14 | 0                     | 0.0004                                                          |
| 5/3/2018 17:15 | 0                     | 0.0004                                                          |
| 5/3/2018 17:16 | 0                     | 0.0003                                                          |
| 5/3/2018 17:17 | 0                     | 0.0003                                                          |
| 5/3/2018 17:18 | 0                     | 0.0003                                                          |
| 5/3/2018 17:19 | 0                     | 0.0002                                                          |
| 5/3/2018 17:20 | 0                     | 0.0001                                                          |
| 5/3/2018 17:21 | 0                     | 0.0001                                                          |
| 5/3/2018 17:22 | 0                     | 0.0001                                                          |
| 5/3/2018 17:23 | 0                     | 0.0001                                                          |
| 5/3/2018 17:24 | 0                     | 0.0001                                                          |
| 5/3/2018 17:25 | 0                     | 0.0001                                                          |
| 5/3/2018 17:26 | 0                     | 0.0002                                                          |
| 5/3/2018 17:27 | 0                     | 0.0003                                                          |
| 5/3/2018 17:28 | 0                     | 0.0005                                                          |
| 5/3/2018 17:29 | 0                     | 0.0005                                                          |
| 5/3/2018 17:30 | 0                     | 0.0005                                                          |
| 5/3/2018 17:31 | 0                     | 0.0005                                                          |
| 5/3/2018 17:32 | 0                     | 0.0005                                                          |
| 5/3/2018 17:33 | 0                     | 0.0005                                                          |
| 5/3/2018 17:34 | 0                     | 0.0005                                                          |
| 5/3/2018 17:35 | 0                     | 0.0005                                                          |
| 5/3/2018 17:36 | 0                     | 0.0005                                                          |
| 5/3/2018 17:37 | 0                     | 0.0005                                                          |
| 5/3/2018 17:38 | 0                     | 0.0005                                                          |
| 5/3/2018 17:39 | 0                     | 0.0005                                                          |
| 5/3/2018 17:40 | 0                     | 0.0005                                                          |
| 5/3/2018 17:41 | 0                     | 0.0004                                                          |
| 5/3/2018 17:42 | 0                     | 0.0002                                                          |
| 5/3/2018 17:43 | 0                     | 0.0001                                                          |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 17:44 | 0                     | 0.0001                                                          |
| 5/3/2018 17:45 | 0                     | 0.0003                                                          |
| 5/3/2018 17:46 | 0                     | 0.0003                                                          |
| 5/3/2018 17:47 | 0                     | 0.0004                                                          |
| 5/3/2018 17:48 | 0                     | 0.0004                                                          |
| 5/3/2018 17:49 | 0                     | 0.0004                                                          |
| 5/3/2018 17:50 | 0                     | 0.0005                                                          |
| 5/3/2018 17:51 | 0                     | 0.0005                                                          |
| 5/3/2018 17:52 | 0                     | 0.0005                                                          |
| 5/3/2018 17:53 | 0                     | 0.0005                                                          |
| 5/3/2018 17:54 | 0                     | 0.0006                                                          |
| 5/3/2018 17:55 | 0                     | 0.0007                                                          |
| 5/3/2018 17:56 | 0                     | 0.0007                                                          |
| 5/3/2018 17:57 | 0                     | 0.0007                                                          |
| 5/3/2018 17:58 | 0                     | 0.0009                                                          |
| 5/3/2018 17:59 | 0                     | 0.0009                                                          |
| 5/3/2018 18:00 | 0                     | 0.0007                                                          |
| 5/3/2018 18:01 | 0                     | 0.0007                                                          |
| 5/3/2018 18:02 | 0                     | 0.0006                                                          |
| 5/3/2018 18:03 | 0                     | 0.0006                                                          |
| 5/3/2018 18:04 | 0                     | 0.0006                                                          |
| 5/3/2018 18:05 | 0                     | 0.0005                                                          |
| 5/3/2018 18:06 | 0                     | 0.0005                                                          |
| 5/3/2018 18:07 | 0                     | 0.0006                                                          |
| 5/3/2018 18:08 | 0                     | 0.0006                                                          |
| 5/3/2018 18:09 | 0                     | 0.0005                                                          |
| 5/3/2018 18:10 | 0                     | 0.0005                                                          |
| 5/3/2018 18:11 | 0                     | 0.0005                                                          |
| 5/3/2018 18:12 | 0                     | 0.0005                                                          |
| 5/3/2018 18:13 | 0                     | 0.0003                                                          |
| 5/3/2018 18:14 | 0                     | 0.0003                                                          |
| 5/3/2018 18:15 | 0                     | 0.0003                                                          |
| 5/3/2018 18:16 | 0                     | 0.0003                                                          |
| 5/3/2018 18:17 | 0                     | 0.0003                                                          |
| 5/3/2018 18:18 | 0                     | 0.0003                                                          |
| 5/3/2018 18:19 | 0                     | 0.0003                                                          |
| 5/3/2018 18:20 | 0                     | 0.0003                                                          |
| 5/3/2018 18:21 | 0                     | 0.0003                                                          |
| 5/3/2018 18:22 | 0                     | 0.0002                                                          |
| 5/3/2018 18:23 | 0                     | 0.0003                                                          |
| 5/3/2018 18:24 | 0                     | 0.0003                                                          |
| 5/3/2018 18:25 | 0                     | 0.0002                                                          |
| 5/3/2018 18:26 | 0                     | 0.0002                                                          |
| 5/3/2018 18:27 | 0                     | 0.0002                                                          |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 18:28 | 0                     | 0.0002                                                          |
| 5/3/2018 18:29 | 0                     | 0.0002                                                          |
| 5/3/2018 18:30 | 0                     | 0.0001                                                          |
| 5/3/2018 18:31 | 0                     | 0.0001                                                          |
| 5/3/2018 18:32 | 0                     | 0.0001                                                          |
| 5/3/2018 18:33 | 0                     | 0.0001                                                          |
| 5/3/2018 18:34 | 0                     | 0.0001                                                          |
| 5/3/2018 18:35 | 0                     | 0.0001                                                          |
| 5/3/2018 18:36 | 0                     | 0.0001                                                          |
| 5/3/2018 18:37 | 0                     | 0.0001                                                          |
| 5/3/2018 18:38 | 0                     | 0                                                               |
| 5/3/2018 18:39 | 0                     | 0                                                               |
| 5/3/2018 18:40 | 0                     | 0                                                               |
| 5/3/2018 18:41 | 0                     | 0                                                               |
| 5/3/2018 18:42 | 0                     | 0                                                               |
| 5/3/2018 18:43 | 0                     | 0                                                               |
| 5/3/2018 18:44 | 0                     | 0                                                               |
| 5/3/2018 18:45 | 0                     | 0                                                               |
| 5/3/2018 18:46 | 0                     | 0                                                               |
| 5/3/2018 18:47 | 0                     | 0                                                               |
| 5/3/2018 18:48 | 0                     | 0                                                               |
| 5/3/2018 18:49 | 0                     | 0                                                               |
| 5/3/2018 18:50 | 0                     | 0                                                               |
| 5/3/2018 18:51 | 0                     | 0.0001                                                          |
| 5/3/2018 18:52 | 0                     | 0.0001                                                          |
| 5/3/2018 18:53 | 0                     | 0.0001                                                          |
| 5/3/2018 18:54 | 0                     | 0.0001                                                          |
| 5/3/2018 18:55 | 0                     | 0.0001                                                          |
| 5/3/2018 18:56 | 0                     | 0.0001                                                          |
| 5/3/2018 18:57 | 0                     | 0.0001                                                          |
| 5/3/2018 18:58 | 0                     | 0.0001                                                          |
| 5/3/2018 18:59 | 0                     | 0.0001                                                          |
| 5/3/2018 19:00 | 0                     | 0.0001                                                          |
| 5/3/2018 19:01 | 0                     | 0.0001                                                          |
| 5/3/2018 19:02 | 0                     | 0.0001                                                          |
| 5/3/2018 19:03 | 0                     | 0.0002                                                          |
| 5/3/2018 19:04 | 0                     | 0.0002                                                          |
| 5/3/2018 19:05 | 0                     | 0.0002                                                          |
| 5/3/2018 19:06 | 0                     | 0.0001                                                          |
| 5/3/2018 19:07 | 0                     | 0.0001                                                          |
| 5/3/2018 19:08 | 0                     | 0.0002                                                          |
| 5/3/2018 19:09 | 0                     | 0.0002                                                          |
| 5/3/2018 19:10 | 0                     | 0.0002                                                          |
| 5/3/2018 19:11 | 0                     | 0.0003                                                          |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 19:12 | 0                     | 0.0003                                                          |
| 5/3/2018 19:13 | 0                     | 0.0003                                                          |
| 5/3/2018 19:14 | 0                     | 0.0003                                                          |
| 5/3/2018 19:15 | 0                     | 0.0003                                                          |
| 5/3/2018 19:16 | 0                     | 0.0003                                                          |
| 5/3/2018 19:17 | 0                     | 0.0003                                                          |
| 5/3/2018 19:18 | 0                     | 0.0003                                                          |
| 5/3/2018 19:19 | 0                     | 0.0003                                                          |
| 5/3/2018 19:20 | 0                     | 0.0003                                                          |
| 5/3/2018 19:21 | 0                     | 0.0003                                                          |
| 5/3/2018 19:22 | 0                     | 0.0004                                                          |
| 5/3/2018 19:23 | 0                     | 0.0003                                                          |
| 5/3/2018 19:24 | 0                     | 0.0003                                                          |
| 5/3/2018 19:25 | 0                     | 0.0004                                                          |
| 5/3/2018 19:26 | 0                     | 0.0003                                                          |
| 5/3/2018 19:27 | 0                     | 0.0003                                                          |
| 5/3/2018 19:28 | 0                     | 0.0003                                                          |
| 5/3/2018 19:29 | 0                     | 0.0003                                                          |
| 5/3/2018 19:30 | 0                     | 0.0004                                                          |
| 5/3/2018 19:31 |                       |                                                                 |
| 5/3/2018 19:31 |                       |                                                                 |
| 5/3/2018 19:32 |                       |                                                                 |
| 5/3/2018 19:32 |                       |                                                                 |
| 5/3/2018 19:33 | 0                     |                                                                 |
| 5/3/2018 19:34 | 0                     | 0.0003                                                          |
| 5/3/2018 19:35 | 0                     | 0.0003                                                          |
| 5/3/2018 19:36 | 0                     | 0.0003                                                          |
| 5/3/2018 19:37 | 0                     | 0.0003                                                          |
| 5/3/2018 19:38 | 0                     | 0.0003                                                          |
| 5/3/2018 19:39 | 0                     | 0.0003                                                          |
| 5/3/2018 19:40 | 0                     | 0.0003                                                          |
| 5/3/2018 19:41 | 0                     | 0.0003                                                          |
| 5/3/2018 19:42 | 0                     | 0.0002                                                          |
| 5/3/2018 19:43 | 0                     | 0.0002                                                          |
| 5/3/2018 19:44 | 0                     | 0.0002                                                          |
| 5/3/2018 19:45 | 0                     | 0.0001                                                          |
| 5/3/2018 19:46 | 0                     | 0.0001                                                          |
| 5/3/2018 19:47 | 0                     | 0.0001                                                          |
| 5/3/2018 19:48 | 0                     | 0.0001                                                          |
| 5/3/2018 19:49 | 0                     | 0.0001                                                          |
| 5/3/2018 19:50 | 0                     | 0.0001                                                          |
| 5/3/2018 19:50 |                       |                                                                 |
| 5/3/2018 19:51 | 0                     | 0.0001                                                          |
| 5/3/2018 19:52 | 0                     | 0.0001                                                          |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/3/2018 19:53 | 0                     | 0.0001                                                          |
| 5/3/2018 19:54 | 0                     | 0.0001                                                          |
| 5/3/2018 19:55 | 0                     | 0.0001                                                          |
| 5/3/2018 19:56 | 0                     | 0.0001                                                          |
| 5/3/2018 19:57 | 0                     | 0.0002                                                          |
| 5/3/2018 19:58 | 0                     | 0.0003                                                          |
| 5/3/2018 19:59 | 0                     | 0.0003                                                          |
| 5/3/2018 20:00 | 0                     | 0.0003                                                          |
| 5/3/2018 20:01 | 0                     | 0.0003                                                          |
| 5/3/2018 20:02 | 0                     | 0.0003                                                          |
| 5/3/2018 20:03 | 0                     | 0.0003                                                          |
| 5/3/2018 20:04 | 0                     | 0.0003                                                          |
| 5/3/2018 20:05 | 0                     | 0.0003                                                          |
| 5/3/2018 20:06 | 0                     | 0.0003                                                          |
| 5/3/2018 20:07 | 0                     | 0.0003                                                          |
| 5/3/2018 20:08 | 0                     | 0.0003                                                          |
| 5/3/2018 20:09 | 0                     | 0.0003                                                          |
| 5/3/2018 20:10 | 0                     | 0.0003                                                          |
| 5/3/2018 20:11 | 0                     | 0.0003                                                          |
| 5/3/2018 20:12 | 0                     | 0.0002                                                          |
| 5/3/2018 20:13 | 0                     | 0.0001                                                          |
| 5/3/2018 20:14 | 0                     | 0.0001                                                          |
| 5/3/2018 20:15 | 0                     | 0.0001                                                          |
| 5/3/2018 20:16 | 0                     | 0.0001                                                          |
| 5/3/2018 20:17 | 0                     | 0.0001                                                          |
| 5/3/2018 20:18 | 0                     | 0.0001                                                          |
| 5/3/2018 20:19 | 0                     | 0.0001                                                          |
| 5/3/2018 20:20 | 0                     | 0.0002                                                          |
| 5/3/2018 20:21 | 0                     | 0.0003                                                          |
| 5/3/2018 20:22 | 0                     | 0.0003                                                          |
| 5/3/2018 20:23 | 0                     | 0.0004                                                          |
| 5/4/2018 12:16 | 0.0618                | 0.012                                                           |
| 5/4/2018 12:17 | 0.0607                | 0.008                                                           |
| 5/4/2018 12:18 | 0.0603                | 0.0067                                                          |
| 5/4/2018 12:19 | 0.0596                | 0.006                                                           |
| 5/4/2018 12:20 | 0.0581                | 0.0056                                                          |
| 5/4/2018 12:21 | 0.0554                | 0.0053                                                          |
| 5/4/2018 12:22 | 0.0535                | 0.0051                                                          |
| 5/4/2018 12:23 | 0.052                 | 0.0051                                                          |
| 5/4/2018 12:24 | 0.051                 | 0.0069                                                          |
| 5/4/2018 12:25 | 0.0497                | 0.0072                                                          |
| 5/4/2018 12:26 | 0.0487                | 0.0068                                                          |
| 5/4/2018 12:27 | 0.0459                | 0.0066                                                          |
| 5/4/2018 12:28 | 0.0434                | 0.0065                                                          |

**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/4/2018 12:29 | 0.0413                | 0.0064                                                          |
| 5/4/2018 12:30 | 0.0396                | 0.0064                                                          |
| 5/4/2018 12:31 | 0.0377                | 0.0059                                                          |
| 5/4/2018 12:32 | 0.0359                | 0.0059                                                          |
| 5/4/2018 12:33 | 0.0341                | 0.0058                                                          |
| 5/4/2018 12:34 | 0.0327                | 0.0057                                                          |
| 5/4/2018 12:35 | 0.0313                | 0.0057                                                          |
| 5/4/2018 12:36 | 0.0307                | 0.0057                                                          |
| 5/4/2018 12:37 | 0.03                  | 0.0056                                                          |
| 5/4/2018 12:38 | 0.0297                | 0.0059                                                          |
| 5/4/2018 12:39 | 0.0287                | 0.0053                                                          |
| 5/4/2018 12:40 | 0.028                 | 0.0057                                                          |
| 5/4/2018 12:40 |                       |                                                                 |
| 5/4/2018 12:41 | 0.0271                | 0.0061                                                          |
| 5/4/2018 12:42 | 0.0264                | 0.0063                                                          |
| 5/4/2018 12:43 | 0.0259                | 0.0063                                                          |
| 5/4/2018 12:44 | 0.0255                | 0.0063                                                          |
| 5/4/2018 12:45 | 0.025                 | 0.0062                                                          |
| 5/4/2018 12:46 | 0.0242                | 0.0065                                                          |
| 5/4/2018 12:47 | 0.0237                | 0.0067                                                          |
| 5/4/2018 12:48 | 0.0231                | 0.0078                                                          |
| 5/4/2018 12:49 | 0.0223                | 0.0081                                                          |
| 5/4/2018 12:50 | 0.0219                | 0.0082                                                          |
| 5/4/2018 12:51 | 0.0216                | 0.0083                                                          |
| 5/4/2018 12:52 | 0.0211                | 0.0085                                                          |
| 5/4/2018 12:53 | 0.0203                | 0.0081                                                          |
| 5/4/2018 12:54 | 0.0194                | 0.0075                                                          |
| 5/4/2018 12:55 | 0.0191                | 0.0079                                                          |
| 5/4/2018 12:56 | 0.0187                | 0.0076                                                          |
| 5/4/2018 12:57 | 0.0183                | 0.0073                                                          |
| 5/4/2018 12:58 | 0.0181                | 0.0072                                                          |
| 5/4/2018 12:59 | 0.0175                | 0.0071                                                          |
| 5/4/2018 13:00 | 0.017                 | 0.0071                                                          |
| 5/4/2018 13:01 | 0.0169                | 0.0067                                                          |
| 5/4/2018 13:02 | 0.0164                | 0.0067                                                          |
| 5/4/2018 13:03 | 0.0159                | 0.0057                                                          |
| 5/4/2018 13:04 | 0.0153                | 0.0055                                                          |
| 5/4/2018 13:05 | 0.0149                | 0.0055                                                          |
| 5/4/2018 13:06 | 0.0146                | 0.0055                                                          |
| 5/4/2018 13:07 | 0.0145                | 0.0055                                                          |
| 5/4/2018 13:08 | 0.0141                | 0.0055                                                          |
| 5/4/2018 13:09 | 0.0139                | 0.0057                                                          |
| 5/4/2018 13:10 | 0.0136                | 0.0047                                                          |
| 5/4/2018 13:11 | 0.0134                | 0.0048                                                          |

**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/4/2018 13:12 | 0.0135                | 0.0051                                                          |
| 5/4/2018 13:13 | 0.0132                | 0.0053                                                          |
| 5/4/2018 13:14 | 0.0127                | 0.0055                                                          |
| 5/4/2018 13:15 | 0.0127                | 0.0058                                                          |
| 5/4/2018 13:15 |                       |                                                                 |
| 5/4/2018 13:16 | 0.0123                | 0.006                                                           |
| 5/4/2018 13:17 | 0.0123                | 0.0061                                                          |
| 5/4/2018 13:18 | 0.0118                | 0.0062                                                          |
| 5/4/2018 13:19 | 0.0116                | 0.0064                                                          |
| 5/4/2018 13:20 | 0.0114                | 0.0067                                                          |
| 5/4/2018 13:21 | 0.0113                | 0.0069                                                          |
| 5/4/2018 13:22 | 0.0111                | 0.0074                                                          |
| 5/4/2018 13:23 | 0.0109                | 0.0077                                                          |
| 5/4/2018 13:24 | 0.0109                | 0.0079                                                          |
| 5/4/2018 13:25 | 0.0106                | 0.0083                                                          |
| 5/4/2018 13:26 | 0.0104                | 0.0085                                                          |
| 5/4/2018 13:27 | 0.0101                | 0.0086                                                          |
| 5/4/2018 13:28 | 0.0101                | 0.0089                                                          |
| 5/4/2018 13:29 | 0.0101                | 0.009                                                           |
| 5/4/2018 13:30 | 0.0099                | 0.0091                                                          |
| 5/4/2018 13:31 | 0.0099                | 0.0094                                                          |
| 5/4/2018 13:32 | 0.01                  | 0.0097                                                          |
| 5/4/2018 13:33 | 0.0101                | 0.0099                                                          |
| 5/4/2018 13:34 | 0.0101                | 0.0101                                                          |
| 5/4/2018 13:35 | 0.0101                | 0.0104                                                          |
| 5/4/2018 13:36 | 0.0097                | 0.0105                                                          |
| 5/4/2018 13:37 | 0.0096                | 0.0105                                                          |
| 5/4/2018 13:38 | 0.0095                | 0.0105                                                          |
| 5/4/2018 13:39 | 0.0096                | 0.0107                                                          |
| 5/4/2018 13:40 | 0.0097                | 0.0108                                                          |
| 5/4/2018 13:41 | 0.0093                | 0.0109                                                          |
| 5/4/2018 13:42 | 0.0092                | 0.0111                                                          |
| 5/4/2018 13:43 | 0.0089                | 0.0112                                                          |
| 5/4/2018 13:44 | 0.0089                | 0.0113                                                          |
| 5/4/2018 13:45 | 0.0087                | 0.0115                                                          |
| 5/4/2018 13:46 | 0.0085                | 0.0115                                                          |
| 5/4/2018 13:47 | 0.0081                | 0.0115                                                          |
| 5/4/2018 13:48 | 0.0077                | 0.0116                                                          |
| 5/4/2018 13:49 | 0.0073                | 0.0117                                                          |
| 5/4/2018 13:50 | 0.0071                | 0.0116                                                          |
| 5/4/2018 13:50 |                       |                                                                 |
| 5/4/2018 13:51 | 0.0071                | 0.0116                                                          |
| 5/4/2018 13:52 | 0.0064                | 0.0116                                                          |
| 5/4/2018 13:53 | 0.0061                | 0.0116                                                          |

**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/4/2018 13:54 | 0.0057                | 0.0116                                                          |
| 5/4/2018 13:55 | 0.0053                | 0.0116                                                          |
| 5/4/2018 13:56 | 0.0053                | 0.0115                                                          |
| 5/4/2018 13:57 | 0.0049                | 0.0115                                                          |
| 5/4/2018 13:58 | 0.0047                | 0.0114                                                          |
| 5/4/2018 13:59 | 0.0042                | 0.0113                                                          |
| 5/4/2018 14:00 | 0.004                 | 0.0113                                                          |
| 5/4/2018 14:01 | 0.0035                | 0.0112                                                          |
| 5/4/2018 14:02 | 0.0033                | 0.0113                                                          |
| 5/4/2018 14:03 | 0.0031                | 0.0113                                                          |
| 5/4/2018 14:04 | 0.0029                | 0.0112                                                          |
| 5/4/2018 14:05 | 0.0024                | 0.0112                                                          |
| 5/4/2018 14:06 | 0.0023                | 0.0112                                                          |
| 5/4/2018 14:07 | 0.0022                | 0.0113                                                          |
| 5/4/2018 14:08 | 0.0021                | 0.0113                                                          |
| 5/4/2018 14:09 | 0.0019                | 0.0113                                                          |
| 5/4/2018 14:10 | 0.0017                | 0.0112                                                          |
| 5/4/2018 14:11 | 0.0015                | 0.0112                                                          |
| 5/4/2018 14:12 | 0.0013                | 0.0112                                                          |
| 5/4/2018 14:13 | 0.0012                | 0.0113                                                          |
| 5/4/2018 14:14 | 0.0011                | 0.0113                                                          |
| 5/4/2018 14:15 | 0.0008                | 0.0113                                                          |
| 5/4/2018 14:16 | 0.0007                | 0.0113                                                          |
| 5/4/2018 14:17 | 0.0005                | 0.0112                                                          |
| 5/4/2018 14:18 | 0.0005                | 0.0111                                                          |
| 5/4/2018 14:19 | 0.0005                | 0.0111                                                          |
| 5/4/2018 14:20 | 0.0005                | 0.0111                                                          |
| 5/4/2018 14:21 | 0.0003                | 0.0111                                                          |
| 5/4/2018 14:22 | 0.0003                | 0.0112                                                          |
| 5/4/2018 14:23 | 0.0003                | 0.0111                                                          |
| 5/4/2018 14:24 | 0.0002                | 0.0111                                                          |
| 5/4/2018 14:25 | 0.0001                | 0.011                                                           |
| 5/4/2018 14:25 |                       |                                                                 |
| 5/4/2018 14:26 | 0                     | 0.0109                                                          |
| 5/4/2018 14:27 | 0                     | 0.0107                                                          |
| 5/4/2018 14:28 | 0                     | 0.0104                                                          |
| 5/4/2018 14:29 | 0                     | 0.0102                                                          |
| 5/4/2018 14:30 | 0                     | 0.01                                                            |
| 5/4/2018 14:31 | 0                     | 0.0098                                                          |
| 5/4/2018 14:32 | 0                     | 0.0096                                                          |
| 5/4/2018 14:33 | 0                     | 0.0093                                                          |
| 5/4/2018 14:34 | 0                     | 0.0091                                                          |
| 5/4/2018 14:35 | 0                     | 0.0089                                                          |
| 5/4/2018 14:36 | 0                     | 0.0086                                                          |



**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/4/2018 14:37 | 0                     | 0.0082                                                          |
| 5/4/2018 14:38 | 0                     | 0.008                                                           |
| 5/4/2018 14:39 | 0                     | 0.0078                                                          |
| 5/4/2018 14:40 | 0                     | 0.0076                                                          |
| 5/4/2018 14:41 | 0                     | 0.0075                                                          |
| 5/4/2018 14:42 | 0                     | 0.0075                                                          |
| 5/4/2018 14:43 | 0                     | 0.0074                                                          |
| 5/4/2018 14:44 | 0                     | 0.0073                                                          |
| 5/4/2018 14:45 | 0                     | 0.0073                                                          |
| 5/4/2018 14:46 | 0                     | 0.0072                                                          |
| 5/4/2018 14:47 | 0                     | 0.0071                                                          |
| 5/4/2018 14:48 | 0                     | 0.0071                                                          |
| 5/4/2018 14:49 | 0                     | 0.0071                                                          |
| 5/4/2018 14:50 | 0                     | 0.0071                                                          |
| 5/4/2018 14:51 | 0                     | 0.0071                                                          |
| 5/4/2018 14:52 | 0                     | 0.0071                                                          |
| 5/4/2018 14:53 | 0                     | 0.0071                                                          |
| 5/4/2018 14:54 | 0                     | 0.0071                                                          |
| 5/4/2018 14:55 | 0                     | 0.0071                                                          |
| 5/4/2018 14:56 | 0                     | 0.0072                                                          |
| 5/4/2018 14:57 | 0                     | 0.0072                                                          |
| 5/4/2018 14:58 | 0                     | 0.0073                                                          |
| 5/4/2018 14:59 | 0                     | 0.0073                                                          |
| 5/4/2018 15:00 | 0                     | 0.0073                                                          |
| 5/4/2018 15:00 |                       |                                                                 |
| 5/4/2018 15:01 | 0                     | 0.0073                                                          |
| 5/4/2018 15:02 | 0                     | 0.0074                                                          |
| 5/4/2018 15:03 | 0                     | 0.0075                                                          |
| 5/4/2018 15:04 | 0                     | 0.0077                                                          |
| 5/4/2018 15:05 | 0                     | 0.0078                                                          |
| 5/4/2018 15:06 | 0                     | 0.0079                                                          |
| 5/4/2018 15:07 | 0                     | 0.008                                                           |
| 5/4/2018 15:08 | 0                     | 0.0081                                                          |
| 5/4/2018 15:09 | 0                     | 0.0082                                                          |
| 5/4/2018 15:10 | 0                     | 0.0083                                                          |
| 5/4/2018 15:11 | 0                     | 0.0084                                                          |
| 5/4/2018 15:12 | 0                     | 0.0085                                                          |
| 5/4/2018 15:13 | 0                     | 0.0085                                                          |
| 5/4/2018 15:14 | 0                     | 0.0087                                                          |
| 5/4/2018 15:15 | 0                     | 0.0089                                                          |
| 5/4/2018 15:16 | 0                     | 0.009                                                           |
| 5/4/2018 15:17 | 0                     | 0.0091                                                          |
| 5/4/2018 15:18 | 0                     | 0.0091                                                          |
| 5/4/2018 15:19 | 0                     | 0.0091                                                          |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 15:20 | 0                     | 0.0091                                                          |
| 5/4/2018 15:21 | 0                     | 0.0092                                                          |
| 5/4/2018 15:22 | 0                     | 0.0093                                                          |
| 5/4/2018 15:23 | 0                     | 0.0094                                                          |
| 5/4/2018 15:24 | 0                     | 0.0095                                                          |
| 5/4/2018 15:25 | 0                     | 0.0097                                                          |
| 5/4/2018 15:26 | 0                     | 0.0097                                                          |
| 5/4/2018 15:27 | 0                     | 0.0098                                                          |
| 5/4/2018 15:28 | 0                     | 0.0099                                                          |
| 5/4/2018 15:29 | 0                     | 0.0099                                                          |
| 5/4/2018 15:30 | 0                     | 0.0099                                                          |
| 5/4/2018 15:31 | 0                     | 0.0099                                                          |
| 5/4/2018 15:32 | 0                     | 0.0101                                                          |
| 5/4/2018 15:33 | 0                     | 0.0101                                                          |
| 5/4/2018 15:34 | 0                     | 0.0103                                                          |
| 5/4/2018 15:35 | 0                     | 0.0103                                                          |
| 5/4/2018 15:35 |                       |                                                                 |
| 5/4/2018 15:36 | 0                     | 0.0103                                                          |
| 5/4/2018 15:37 | 0                     | 0.0103                                                          |
| 5/4/2018 15:38 | 0                     | 0.0103                                                          |
| 5/4/2018 15:39 | 0                     | 0.0103                                                          |
| 5/4/2018 15:40 | 0                     | 0.0103                                                          |
| 5/4/2018 15:41 | 0                     | 0.0103                                                          |
| 5/4/2018 15:42 | 0                     | 0.0104                                                          |
| 5/4/2018 15:43 | 0                     | 0.0105                                                          |
| 5/4/2018 15:44 | 0                     | 0.0105                                                          |
| 5/4/2018 15:45 | 0                     | 0.0106                                                          |
| 5/4/2018 15:46 | 0                     | 0.0107                                                          |
| 5/4/2018 15:47 | 0                     | 0.0107                                                          |
| 5/4/2018 15:48 | 0                     | 0.0108                                                          |
| 5/4/2018 15:49 | 0                     | 0.0109                                                          |
| 5/4/2018 15:50 | 0                     | 0.011                                                           |
| 5/4/2018 15:51 | 0                     | 0.0111                                                          |
| 5/4/2018 15:52 | 0                     | 0.0111                                                          |
| 5/4/2018 15:53 | 0                     | 0.0111                                                          |
| 5/4/2018 15:54 | 0                     | 0.0112                                                          |
| 5/4/2018 15:55 | 0                     | 0.0112                                                          |
| 5/4/2018 15:56 | 0                     | 0.0112                                                          |
| 5/4/2018 15:57 | 0                     | 0.0112                                                          |
| 5/4/2018 15:58 | 0                     | 0.0112                                                          |
| 5/4/2018 15:59 | 0                     | 0.0112                                                          |
| 5/4/2018 16:00 | 0                     | 0.0112                                                          |
| 5/4/2018 16:01 | 0                     | 0.0111                                                          |
| 5/4/2018 16:02 | 0                     | 0.0111                                                          |

**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/4/2018 16:03 | 0                     | 0.0111                                                          |
| 5/4/2018 16:04 | 0                     | 0.0109                                                          |
| 5/4/2018 16:05 | 0                     | 0.0109                                                          |
| 5/4/2018 16:06 | 0                     | 0.0108                                                          |
| 5/4/2018 16:07 | 0                     | 0.0108                                                          |
| 5/4/2018 16:08 | 0                     | 0.0107                                                          |
| 5/4/2018 16:09 | 0                     | 0.0107                                                          |
| 5/4/2018 16:10 | 0                     | 0.0107                                                          |
| 5/4/2018 16:10 |                       |                                                                 |
| 5/4/2018 16:11 | 0                     | 0.0107                                                          |
| 5/4/2018 16:12 | 0                     | 0.0106                                                          |
| 5/4/2018 16:13 | 0                     | 0.0105                                                          |
| 5/4/2018 16:14 | 0                     | 0.0105                                                          |
| 5/4/2018 16:15 | 0                     | 0.0105                                                          |
| 5/4/2018 16:16 | 0                     | 0.0105                                                          |
| 5/4/2018 16:17 | 0                     | 0.0105                                                          |
| 5/4/2018 16:18 | 0                     | 0.0105                                                          |
| 5/4/2018 16:19 | 0                     | 0.0105                                                          |
| 5/4/2018 16:20 | 0                     | 0.0104                                                          |
| 5/4/2018 16:21 | 0                     | 0.0104                                                          |
| 5/4/2018 16:22 | 0                     | 0.0103                                                          |
| 5/4/2018 16:23 | 0                     | 0.0102                                                          |
| 5/4/2018 16:24 | 0                     | 0.0101                                                          |
| 5/4/2018 16:25 | 0                     | 0.0101                                                          |
| 5/4/2018 16:26 | 0                     | 0.0099                                                          |
| 5/4/2018 16:27 | 0                     | 0.0099                                                          |
| 5/4/2018 16:28 | 0                     | 0.0099                                                          |
| 5/4/2018 16:29 | 0                     | 0.0097                                                          |
| 5/4/2018 16:30 | 0                     | 0.0097                                                          |
| 5/4/2018 16:31 | 0                     | 0.0095                                                          |
| 5/4/2018 16:32 | 0                     | 0.0095                                                          |
| 5/4/2018 16:33 | 0                     | 0.0095                                                          |
| 5/4/2018 16:34 | 0                     | 0.0095                                                          |
| 5/4/2018 16:35 | 0                     | 0.0094                                                          |
| 5/4/2018 16:36 | 0                     | 0.0093                                                          |
| 5/4/2018 16:37 | 0                     | 0.0094                                                          |
| 5/4/2018 16:38 | 0                     | 0.0094                                                          |
| 5/4/2018 16:39 | 0                     | 0.0094                                                          |
| 5/4/2018 16:40 | 0                     | 0.0093                                                          |
| 5/4/2018 16:41 | 0                     | 0.0093                                                          |
| 5/4/2018 16:42 | 0                     | 0.0094                                                          |
| 5/4/2018 16:43 | 0                     | 0.0093                                                          |
| 5/4/2018 16:44 | 0                     | 0.0093                                                          |
| 5/4/2018 16:45 | 0                     | 0.0093                                                          |

**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/4/2018 16:45 |                       |                                                                 |
| 5/4/2018 16:46 | 0                     | 0.0093                                                          |
| 5/4/2018 16:47 | 0                     | 0.0093                                                          |
| 5/4/2018 16:48 | 0                     | 0.0092                                                          |
| 5/4/2018 16:49 | 0                     | 0.0091                                                          |
| 5/4/2018 16:50 | 0                     | 0.0091                                                          |
| 5/4/2018 16:51 | 0                     | 0.0091                                                          |
| 5/4/2018 16:52 | 0                     | 0.009                                                           |
| 5/4/2018 16:53 | 0                     | 0.009                                                           |
| 5/4/2018 16:54 | 0                     | 0.0089                                                          |
| 5/4/2018 16:55 | 0                     | 0.0089                                                          |
| 5/4/2018 16:56 | 0                     | 0.0089                                                          |
| 5/4/2018 16:57 | 0                     | 0.0088                                                          |
| 5/4/2018 16:58 | 0                     | 0.0088                                                          |
| 5/4/2018 16:59 | 0                     | 0.0088                                                          |
| 5/4/2018 17:00 | 0                     | 0.0088                                                          |
| 5/4/2018 17:01 | 0                     | 0.0089                                                          |
| 5/4/2018 17:02 | 0                     | 0.0089                                                          |
| 5/4/2018 17:03 | 0                     | 0.0093                                                          |
| 5/4/2018 17:04 | 0                     | 0.0094                                                          |
| 5/4/2018 17:05 | 0                     | 0.0095                                                          |
| 5/4/2018 17:06 | 0                     | 0.0097                                                          |
| 5/4/2018 17:07 | 0                     | 0.0097                                                          |
| 5/4/2018 17:08 | 0                     | 0.0098                                                          |
| 5/4/2018 17:09 | 0                     | 0.0099                                                          |
| 5/4/2018 17:10 | 0                     | 0.0101                                                          |
| 5/4/2018 17:11 | 0                     | 0.0101                                                          |
| 5/4/2018 17:12 | 0                     | 0.0103                                                          |
| 5/4/2018 17:13 | 0                     | 0.0103                                                          |
| 5/4/2018 17:14 | 0                     | 0.0105                                                          |
| 5/4/2018 17:15 | 0                     | 0.0106                                                          |
| 5/4/2018 17:16 | 0                     | 0.0107                                                          |
| 5/4/2018 17:17 | 0                     | 0.0108                                                          |
| 5/4/2018 17:18 | 0                     | 0.0105                                                          |
| 5/4/2018 17:19 | 0                     | 0.0106                                                          |
| 5/4/2018 17:20 | 0                     | 0.0107                                                          |
| 5/4/2018 17:20 |                       |                                                                 |
| 5/4/2018 17:21 | 0                     | 0.0106                                                          |
| 5/4/2018 17:22 | 0                     | 0.0107                                                          |
| 5/4/2018 17:23 | 0                     | 0.0107                                                          |
| 5/4/2018 17:24 | 0                     | 0.0109                                                          |
| 5/4/2018 17:25 | 0                     | 0.011                                                           |
| 5/4/2018 17:26 | 0                     | 0.0111                                                          |
| 5/4/2018 17:27 | 0                     | 0.0111                                                          |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 17:28 | 0                     | 0.0112                                                          |
| 5/4/2018 17:29 | 0                     | 0.0112                                                          |
| 5/4/2018 17:30 | 0                     | 0.0112                                                          |
| 5/4/2018 17:31 | 0                     | 0.0113                                                          |
| 5/4/2018 17:32 | 0                     | 0.0113                                                          |
| 5/4/2018 17:33 | 0                     | 0.0113                                                          |
| 5/4/2018 17:34 | 0                     | 0.0113                                                          |
| 5/4/2018 17:35 | 0                     | 0.0113                                                          |
| 5/4/2018 17:36 | 0                     | 0.0113                                                          |
| 5/4/2018 17:37 | 0                     | 0.0113                                                          |
| 5/4/2018 17:38 | 0                     | 0.0114                                                          |
| 5/4/2018 17:39 | 0                     | 0.0113                                                          |
| 5/4/2018 17:40 | 0                     | 0.0113                                                          |
| 5/4/2018 17:41 | 0                     | 0.0113                                                          |
| 5/4/2018 17:42 | 0                     | 0.0114                                                          |
| 5/4/2018 17:43 | 0                     | 0.0113                                                          |
| 5/4/2018 17:44 | 0                     | 0.0114                                                          |
| 5/4/2018 17:45 | 0                     | 0.0115                                                          |
| 5/4/2018 17:46 | 0                     | 0.0115                                                          |
| 5/4/2018 17:47 | 0                     | 0.0117                                                          |
| 5/4/2018 17:48 | 0                     | 0.0118                                                          |
| 5/4/2018 17:49 | 0                     | 0.0119                                                          |
| 5/4/2018 17:50 | 0                     | 0.0121                                                          |
| 5/4/2018 17:51 | 0                     | 0.0122                                                          |
| 5/4/2018 17:52 | 0                     | 0.0123                                                          |
| 5/4/2018 17:53 | 0                     | 0.0124                                                          |
| 5/4/2018 17:54 | 0                     | 0.0125                                                          |
| 5/4/2018 17:55 | 0                     | 0.0126                                                          |
| 5/4/2018 17:55 |                       |                                                                 |
| 5/4/2018 17:56 | 0                     | 0.0128                                                          |
| 5/4/2018 17:57 | 0                     | 0.0129                                                          |
| 5/4/2018 17:58 | 0                     | 0.013                                                           |
| 5/4/2018 17:59 | 0                     | 0.0131                                                          |
| 5/4/2018 18:00 | 0                     | 0.0132                                                          |
| 5/4/2018 18:01 | 0                     | 0.0133                                                          |
| 5/4/2018 18:02 | 0                     | 0.0134                                                          |
| 5/4/2018 18:03 | 0                     | 0.0135                                                          |
| 5/4/2018 18:04 | 0                     | 0.0135                                                          |
| 5/4/2018 18:05 | 0                     | 0.0136                                                          |
| 5/4/2018 18:06 | 0                     | 0.0137                                                          |
| 5/4/2018 18:07 | 0                     | 0.0137                                                          |
| 5/4/2018 18:08 | 0                     | 0.0139                                                          |
| 5/4/2018 18:09 | 0                     | 0.0139                                                          |
| 5/4/2018 18:10 | 0                     | 0.014                                                           |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 18:11 | 0                     | 0.0141                                                          |
| 5/4/2018 18:12 | 0                     | 0.0143                                                          |
| 5/4/2018 18:13 | 0                     | 0.0143                                                          |
| 5/4/2018 18:14 | 0                     | 0.0144                                                          |
| 5/4/2018 18:15 | 0                     | 0.0144                                                          |
| 5/4/2018 18:16 | 0                     | 0.0143                                                          |
| 5/4/2018 18:17 | 0                     | 0.0143                                                          |
| 5/4/2018 18:18 | 0                     | 0.0143                                                          |
| 5/4/2018 18:19 | 0                     | 0.0143                                                          |
| 5/4/2018 18:20 | 0                     | 0.0143                                                          |
| 5/4/2018 18:21 | 0                     | 0.0143                                                          |
| 5/4/2018 18:22 | 0                     | 0.0143                                                          |
| 5/4/2018 18:23 | 0                     | 0.0142                                                          |
| 5/4/2018 18:24 | 0                     | 0.0142                                                          |
| 5/4/2018 18:25 | 0                     | 0.0142                                                          |
| 5/4/2018 18:26 | 0                     | 0.0143                                                          |
| 5/4/2018 18:27 | 0                     | 0.0143                                                          |
| 5/4/2018 18:28 | 0                     | 0.0143                                                          |
| 5/4/2018 18:29 | 0                     | 0.0141                                                          |
| 5/4/2018 18:30 | 0                     | 0.0141                                                          |
| 5/4/2018 18:30 |                       |                                                                 |
| 5/4/2018 18:31 | 0                     | 0.0141                                                          |
| 5/4/2018 18:32 | 0                     | 0.014                                                           |
| 5/4/2018 18:33 | 0                     | 0.0139                                                          |
| 5/4/2018 18:34 | 0                     | 0.0139                                                          |
| 5/4/2018 18:35 | 0                     | 0.0137                                                          |
| 5/4/2018 18:36 | 0                     | 0.0141                                                          |
| 5/4/2018 18:37 | 0                     | 0.0139                                                          |
| 5/4/2018 18:38 | 0                     | 0.0138                                                          |
| 5/4/2018 18:39 | 0                     | 0.0137                                                          |
| 5/4/2018 18:40 | 0                     | 0.0136                                                          |
| 5/4/2018 18:41 | 0                     | 0.0133                                                          |
| 5/4/2018 18:42 | 0                     | 0.0131                                                          |
| 5/4/2018 18:43 | 0                     | 0.013                                                           |
| 5/4/2018 18:44 | 0                     | 0.0129                                                          |
| 5/4/2018 18:45 | 0                     | 0.0129                                                          |
| 5/4/2018 18:46 | 0                     | 0.0129                                                          |
| 5/4/2018 18:47 | 0                     | 0.0129                                                          |
| 5/4/2018 18:48 | 0                     | 0.0128                                                          |
| 5/4/2018 18:49 | 0                     | 0.0127                                                          |
| 5/4/2018 18:50 | 0                     | 0.0127                                                          |
| 5/4/2018 18:51 | 0                     | 0.0123                                                          |
| 5/4/2018 18:52 | 0                     | 0.0123                                                          |
| 5/4/2018 18:53 | 0                     | 0.0123                                                          |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 18:54 | 0                     | 0.0122                                                          |
| 5/4/2018 18:55 | 0                     | 0.0122                                                          |
| 5/4/2018 18:56 | 0                     | 0.0121                                                          |
| 5/4/2018 18:57 | 0                     | 0.0121                                                          |
| 5/4/2018 18:58 | 0                     | 0.0121                                                          |
| 5/4/2018 18:59 | 0                     | 0.0121                                                          |
| 5/4/2018 19:00 | 0                     | 0.0121                                                          |
| 5/4/2018 19:01 | 0                     | 0.012                                                           |
| 5/4/2018 19:02 | 0                     | 0.0119                                                          |
| 5/4/2018 19:03 | 0                     | 0.0119                                                          |
| 5/4/2018 19:04 | 0                     | 0.0119                                                          |
| 5/4/2018 19:05 | 0                     | 0.0118                                                          |
| 5/4/2018 19:05 |                       |                                                                 |
| 5/4/2018 19:06 | 0                     | 0.0117                                                          |
| 5/4/2018 19:07 | 0                     | 0.0117                                                          |
| 5/4/2018 19:08 | 0                     | 0.0116                                                          |
| 5/4/2018 19:09 | 0                     | 0.0115                                                          |
| 5/4/2018 19:10 | 0                     | 0.0115                                                          |
| 5/4/2018 19:11 | 0                     | 0.0114                                                          |
| 5/4/2018 19:12 | 0                     | 0.0113                                                          |
| 5/4/2018 19:13 | 0                     | 0.0113                                                          |
| 5/4/2018 19:14 | 0                     | 0.0113                                                          |
| 5/4/2018 19:15 | 0                     | 0.0111                                                          |
| 5/4/2018 19:16 | 0                     | 0.0111                                                          |
| 5/4/2018 19:17 | 0                     | 0.0111                                                          |
| 5/4/2018 19:18 | 0                     | 0.0111                                                          |
| 5/4/2018 19:19 | 0                     | 0.0109                                                          |
| 5/4/2018 19:20 | 0                     | 0.0109                                                          |
| 5/4/2018 19:21 | 0                     | 0.0108                                                          |
| 5/4/2018 19:22 | 0                     | 0.0108                                                          |
| 5/4/2018 19:23 | 0                     | 0.0107                                                          |
| 5/4/2018 19:24 | 0                     | 0.0107                                                          |
| 5/4/2018 19:25 | 0                     | 0.0106                                                          |
| 5/4/2018 19:26 | 0                     | 0.0105                                                          |
| 5/4/2018 19:27 | 0                     | 0.0105                                                          |
| 5/4/2018 19:28 | 0                     | 0.0103                                                          |
| 5/4/2018 19:29 | 0                     | 0.0103                                                          |
| 5/4/2018 19:30 | 0                     | 0.0103                                                          |
| 5/4/2018 19:31 | 0                     | 0.0102                                                          |
| 5/4/2018 19:32 | 0                     | 0.0102                                                          |
| 5/4/2018 19:33 | 0                     | 0.0101                                                          |
| 5/4/2018 19:34 | 0                     | 0.0102                                                          |
| 5/4/2018 19:35 | 0                     | 0.0102                                                          |
| 5/4/2018 19:36 | 0                     | 0.0102                                                          |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/4/2018 19:37 | 0                     | 0.0102                                                          |
| 5/4/2018 19:38 | 0                     | 0.0103                                                          |
| 5/4/2018 19:39 | 0                     | 0.0103                                                          |
| 5/4/2018 19:40 | 0                     | 0.0103                                                          |
| 5/4/2018 19:40 |                       |                                                                 |
| 5/4/2018 19:41 | 0                     | 0.0103                                                          |
| 5/4/2018 19:42 | 0                     | 0.0103                                                          |
| 5/4/2018 19:43 | 0                     | 0.0103                                                          |
| 5/4/2018 19:44 | 0                     | 0.0103                                                          |
| 5/4/2018 19:45 | 0                     | 0.0103                                                          |
| 5/4/2018 19:46 | 0                     | 0.0103                                                          |
| 5/4/2018 19:47 | 0                     | 0.0103                                                          |
| 5/4/2018 19:48 | 0                     | 0.0103                                                          |
| 5/4/2018 19:49 | 0                     | 0.0102                                                          |
| 5/4/2018 19:50 | 0                     | 0.0102                                                          |
| 5/4/2018 19:51 | 0                     | 0.0103                                                          |
| 5/7/2018 11:57 | 0.048                 | 0.006                                                           |
| 5/7/2018 11:58 | 0.0456                | 0.006                                                           |
| 5/7/2018 11:59 | 0.043                 | 0.0067                                                          |
| 5/7/2018 12:00 | 0.0417                | 0.0063                                                          |
| 5/7/2018 12:01 | 0.0401                | 0.0062                                                          |
| 5/7/2018 12:02 | 0.0381                | 0.0062                                                          |
| 5/7/2018 12:03 | 0.0363                | 0.006                                                           |
| 5/7/2018 12:04 | 0.0352                | 0.0059                                                          |
| 5/7/2018 12:05 | 0.0342                | 0.0058                                                          |
| 5/7/2018 12:06 | 0.0327                | 0.0057                                                          |
| 5/7/2018 12:07 | 0.0321                | 0.0056                                                          |
| 5/7/2018 12:08 | 0.0318                | 0.0056                                                          |
| 5/7/2018 12:09 | 0.0297                | 0.0055                                                          |
| 5/7/2018 12:10 | 0.0279                | 0.0055                                                          |
| 5/7/2018 12:11 | 0.0265                | 0.0054                                                          |
| 5/7/2018 12:12 | 0.0249                | 0.0054                                                          |
| 5/7/2018 12:13 | 0.0235                | 0.0053                                                          |
| 5/7/2018 12:14 | 0.0231                | 0.0052                                                          |
| 5/7/2018 12:15 | 0.0219                | 0.0051                                                          |
| 5/7/2018 12:16 | 0.0211                | 0.0051                                                          |
| 5/7/2018 12:17 | 0.0209                | 0.0049                                                          |
| 5/7/2018 12:18 | 0.0208                | 0.0049                                                          |
| 5/7/2018 12:19 | 0.021                 | 0.0049                                                          |
| 5/7/2018 12:20 | 0.0203                | 0.0049                                                          |
| 5/7/2018 12:20 |                       |                                                                 |
| 5/7/2018 12:21 | 0.0202                | 0.0049                                                          |
| 5/7/2018 12:22 | 0.0197                | 0.0049                                                          |
| 5/7/2018 12:23 | 0.0191                | 0.0049                                                          |



**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 12:24 | 0.0193                | 0.0049                                                          |
| 5/7/2018 12:25 | 0.0194                | 0.0049                                                          |
| 5/7/2018 12:26 | 0.0186                | 0.005                                                           |
| 5/7/2018 12:27 | 0.0187                | 0.0049                                                          |
| 5/7/2018 12:28 | 0.0196                | 0.0049                                                          |
| 5/7/2018 12:29 | 0.0191                | 0.0048                                                          |
| 5/7/2018 12:30 | 0.0194                | 0.0049                                                          |
| 5/7/2018 12:31 | 0.0194                | 0.0047                                                          |
| 5/7/2018 12:32 | 0.0191                | 0.0047                                                          |
| 5/7/2018 12:33 | 0.019                 | 0.0046                                                          |
| 5/7/2018 12:34 | 0.0183                | 0.0044                                                          |
| 5/7/2018 12:35 | 0.0189                | 0.0043                                                          |
| 5/7/2018 12:36 | 0.0193                | 0.0043                                                          |
| 5/7/2018 12:37 | 0.0193                | 0.0041                                                          |
| 5/7/2018 12:38 | 0.0193                | 0.0041                                                          |
| 5/7/2018 12:39 | 0.0187                | 0.004                                                           |
| 5/7/2018 12:40 | 0.0183                | 0.0039                                                          |
| 5/7/2018 12:41 | 0.0187                | 0.0037                                                          |
| 5/7/2018 12:42 | 0.0187                | 0.0037                                                          |
| 5/7/2018 12:43 | 0.0178                | 0.0036                                                          |
| 5/7/2018 12:44 | 0.0179                | 0.0035                                                          |
| 5/7/2018 12:45 | 0.0177                | 0.0034                                                          |
| 5/7/2018 12:46 | 0.0177                | 0.0034                                                          |
| 5/7/2018 12:47 | 0.0179                | 0.0035                                                          |
| 5/7/2018 12:48 | 0.0179                | 0.0035                                                          |
| 5/7/2018 12:49 | 0.0181                | 0.0035                                                          |
| 5/7/2018 12:50 | 0.0176                | 0.0034                                                          |
| 5/7/2018 12:51 | 0.0173                | 0.0033                                                          |
| 5/7/2018 12:52 | 0.0175                | 0.0034                                                          |
| 5/7/2018 12:53 | 0.0173                | 0.0033                                                          |
| 5/7/2018 12:54 | 0.0176                | 0.0033                                                          |
| 5/7/2018 12:55 | 0.0173                | 0.0033                                                          |
| 5/7/2018 12:55 |                       |                                                                 |
| 5/7/2018 12:56 | 0.017                 | 0.0034                                                          |
| 5/7/2018 12:57 | 0.0168                | 0.0034                                                          |
| 5/7/2018 12:58 | 0.0169                | 0.0033                                                          |
| 5/7/2018 12:59 | 0.0169                | 0.0034                                                          |
| 5/7/2018 13:00 | 0.0171                | 0.0034                                                          |
| 5/7/2018 13:01 | 0.0173                | 0.0034                                                          |
| 5/7/2018 13:02 | 0.0173                | 0.0035                                                          |
| 5/7/2018 13:03 | 0.0173                | 0.0034                                                          |
| 5/7/2018 13:04 | 0.0172                | 0.0033                                                          |
| 5/7/2018 13:05 | 0.0175                | 0.0033                                                          |
| 5/7/2018 13:06 | 0.0176                | 0.0033                                                          |

**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 13:07 | 0.0176                | 0.0034                                                          |
| 5/7/2018 13:08 | 0.0175                | 0.0036                                                          |
| 5/7/2018 13:09 | 0.0175                | 0.0037                                                          |
| 5/7/2018 13:10 | 0.0177                | 0.0036                                                          |
| 5/7/2018 13:11 | 0.0175                | 0.0037                                                          |
| 5/7/2018 13:12 | 0.0177                | 0.0037                                                          |
| 5/7/2018 13:13 | 0.0175                | 0.0036                                                          |
| 5/7/2018 13:14 | 0.0175                | 0.0035                                                          |
| 5/7/2018 13:15 | 0.0169                | 0.0035                                                          |
| 5/7/2018 13:16 | 0.0165                | 0.0036                                                          |
| 5/7/2018 13:17 | 0.0162                | 0.0034                                                          |
| 5/7/2018 13:18 | 0.0161                | 0.0035                                                          |
| 5/7/2018 13:19 | 0.0161                | 0.0035                                                          |
| 5/7/2018 13:20 | 0.0158                | 0.0035                                                          |
| 5/7/2018 13:21 | 0.0155                | 0.0035                                                          |
| 5/7/2018 13:22 | 0.0151                | 0.0032                                                          |
| 5/7/2018 13:23 | 0.015                 | 0.003                                                           |
| 5/7/2018 13:24 | 0.0147                | 0.0028                                                          |
| 5/7/2018 13:25 | 0.0147                | 0.003                                                           |
| 5/7/2018 13:26 | 0.0147                | 0.0027                                                          |
| 5/7/2018 13:27 | 0.0143                | 0.0027                                                          |
| 5/7/2018 13:28 | 0.0145                | 0.0027                                                          |
| 5/7/2018 13:29 | 0.0141                | 0.0027                                                          |
| 5/7/2018 13:30 | 0.0143                | 0.0027                                                          |
| 5/7/2018 13:30 |                       |                                                                 |
| 5/7/2018 13:31 | 0.0139                | 0.0025                                                          |
| 5/7/2018 13:32 | 0.0137                | 0.0025                                                          |
| 5/7/2018 13:33 | 0.0136                | 0.0024                                                          |
| 5/7/2018 13:34 | 0.0135                | 0.0024                                                          |
| 5/7/2018 13:35 | 0.013                 | 0.0023                                                          |
| 5/7/2018 13:36 | 0.013                 | 0.0023                                                          |
| 5/7/2018 13:37 | 0.0126                | 0.0023                                                          |
| 5/7/2018 13:38 | 0.0126                | 0.0024                                                          |
| 5/7/2018 13:39 | 0.012                 | 0.0024                                                          |
| 5/7/2018 13:40 | 0.0117                | 0.0021                                                          |
| 5/7/2018 13:41 | 0.0122                | 0.0022                                                          |
| 5/7/2018 13:42 | 0.0125                | 0.0022                                                          |
| 5/7/2018 13:43 | 0.0121                | 0.0023                                                          |
| 5/7/2018 13:44 | 0.0119                | 0.0023                                                          |
| 5/7/2018 13:45 | 0.012                 | 0.0023                                                          |
| 5/7/2018 13:46 | 0.0121                | 0.0023                                                          |
| 5/7/2018 13:47 | 0.0123                | 0.0023                                                          |
| 5/7/2018 13:48 | 0.0124                | 0.0023                                                          |
| 5/7/2018 13:49 | 0.0116                | 0.0023                                                          |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/7/2018 13:50 | 0.0115                | 0.0024                                                          |
| 5/7/2018 13:51 | 0.0108                | 0.0024                                                          |
| 5/7/2018 13:52 | 0.0104                | 0.0024                                                          |
| 5/7/2018 13:53 | 0.0095                | 0.0024                                                          |
| 5/7/2018 13:54 | 0.0093                | 0.0024                                                          |
| 5/7/2018 13:55 | 0.009                 | 0.0023                                                          |
| 5/7/2018 13:56 | 0.0075                | 0.0023                                                          |
| 5/7/2018 13:57 | 0.0065                | 0.0022                                                          |
| 5/7/2018 13:58 | 0.0062                | 0.0021                                                          |
| 5/7/2018 13:59 | 0.0062                | 0.0021                                                          |
| 5/7/2018 14:00 | 0.0051                | 0.0022                                                          |
| 5/7/2018 14:01 | 0.0051                | 0.0021                                                          |
| 5/7/2018 14:02 | 0.0045                | 0.0021                                                          |
| 5/7/2018 14:03 | 0.0041                | 0.0021                                                          |
| 5/7/2018 14:04 | 0.0049                | 0.0021                                                          |
| 5/7/2018 14:05 | 0.0056                | 0.0021                                                          |
| 5/7/2018 14:05 |                       |                                                                 |
| 5/7/2018 14:06 | 0.0065                | 0.0021                                                          |
| 5/7/2018 14:07 | 0.0071                | 0.0021                                                          |
| 5/7/2018 14:08 | 0.0073                | 0.0021                                                          |
| 5/7/2018 14:09 | 0.0073                | 0.0021                                                          |
| 5/7/2018 14:10 | 0.0073                | 0.0021                                                          |
| 5/7/2018 14:11 | 0.0078                | 0.0021                                                          |
| 5/7/2018 14:12 | 0.0079                | 0.0022                                                          |
| 5/7/2018 14:13 | 0.0078                | 0.0022                                                          |
| 5/7/2018 14:14 | 0.0075                | 0.0022                                                          |
| 5/7/2018 14:15 | 0.0087                | 0.0021                                                          |
| 5/7/2018 14:16 | 0.0083                | 0.0021                                                          |
| 5/7/2018 14:17 | 0.0082                | 0.0021                                                          |
| 5/7/2018 14:18 | 0.0077                | 0.0021                                                          |
| 5/7/2018 14:19 | 0.0069                | 0.0021                                                          |
| 5/7/2018 14:20 | 0.0061                | 0.0022                                                          |
| 5/7/2018 14:21 | 0.0052                | 0.0023                                                          |
| 5/7/2018 14:22 | 0.0045                | 0.0023                                                          |
| 5/7/2018 14:23 | 0.0046                | 0.0022                                                          |
| 5/7/2018 14:24 | 0.0046                | 0.0022                                                          |
| 5/7/2018 14:25 | 0.0047                | 0.0023                                                          |
| 5/7/2018 14:26 | 0.0047                | 0.0023                                                          |
| 5/7/2018 14:27 | 0.0049                | 0.0022                                                          |
| 5/7/2018 14:28 | 0.0046                | 0.0023                                                          |
| 5/7/2018 14:29 | 0.0044                | 0.0023                                                          |
| 5/7/2018 14:30 | 0.0033                | 0.0023                                                          |
| 5/7/2018 14:31 | 0.0032                | 0.0023                                                          |
| 5/7/2018 14:32 | 0.0032                | 0.0023                                                          |

**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 14:33 | 0.0031                | 0.0023                                                          |
| 5/7/2018 14:34 | 0.0032                | 0.0023                                                          |
| 5/7/2018 14:35 | 0.0035                | 0.0022                                                          |
| 5/7/2018 14:36 | 0.0034                | 0.0021                                                          |
| 5/7/2018 14:37 | 0.0035                | 0.002                                                           |
| 5/7/2018 14:38 | 0.0032                | 0.0021                                                          |
| 5/7/2018 14:39 | 0.003                 | 0.0022                                                          |
| 5/7/2018 14:40 | 0.0029                | 0.0021                                                          |
| 5/7/2018 14:40 |                       |                                                                 |
| 5/7/2018 14:41 | 0.0027                | 0.0021                                                          |
| 5/7/2018 14:42 | 0.0026                | 0.0021                                                          |
| 5/7/2018 14:43 | 0.0029                | 0.0021                                                          |
| 5/7/2018 14:44 | 0.0029                | 0.0021                                                          |
| 5/7/2018 14:45 | 0.0029                | 0.0021                                                          |
| 5/7/2018 14:46 | 0.0028                | 0.0021                                                          |
| 5/7/2018 14:47 | 0.0029                | 0.0021                                                          |
| 5/7/2018 14:48 | 0.0027                | 0.0021                                                          |
| 5/7/2018 14:49 | 0.0025                | 0.0021                                                          |
| 5/7/2018 14:50 | 0.0021                | 0.0021                                                          |
| 5/7/2018 14:51 | 0.0021                | 0.0021                                                          |
| 5/7/2018 14:52 | 0.002                 | 0.0022                                                          |
| 5/7/2018 14:53 | 0.002                 | 0.0021                                                          |
| 5/7/2018 14:54 | 0.0021                | 0.002                                                           |
| 5/7/2018 14:55 | 0.0018                | 0.0019                                                          |
| 5/7/2018 14:56 | 0.0017                | 0.0019                                                          |
| 5/7/2018 14:57 | 0.0015                | 0.0019                                                          |
| 5/7/2018 14:58 | 0.0013                | 0.0018                                                          |
| 5/7/2018 14:59 | 0.0013                | 0.0017                                                          |
| 5/7/2018 15:00 | 0.002                 | 0.0017                                                          |
| 5/7/2018 15:01 | 0.0019                | 0.0018                                                          |
| 5/7/2018 15:02 | 0.0018                | 0.0017                                                          |
| 5/7/2018 15:03 | 0.0018                | 0.0017                                                          |
| 5/7/2018 15:04 | 0.002                 | 0.0017                                                          |
| 5/7/2018 15:05 | 0.0021                | 0.0017                                                          |
| 5/7/2018 15:06 | 0.002                 | 0.0016                                                          |
| 5/7/2018 15:07 | 0.0019                | 0.0015                                                          |
| 5/7/2018 15:08 | 0.0019                | 0.0015                                                          |
| 5/7/2018 15:09 | 0.0017                | 0.0015                                                          |
| 5/7/2018 15:10 | 0.0015                | 0.0015                                                          |
| 5/7/2018 15:11 | 0.0015                | 0.0015                                                          |
| 5/7/2018 15:12 | 0.0015                | 0.0015                                                          |
| 5/7/2018 15:13 | 0.0015                | 0.0015                                                          |
| 5/7/2018 15:14 | 0.0014                | 0.0015                                                          |
| 5/7/2018 15:15 | 0.0007                | 0.0015                                                          |

**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 15:15 |                       |                                                                 |
| 5/7/2018 15:16 | 0.0007                | 0.0015                                                          |
| 5/7/2018 15:17 | 0.0006                | 0.0014                                                          |
| 5/7/2018 15:18 | 0.0005                | 0.0013                                                          |
| 5/7/2018 15:19 | 0.0004                | 0.0013                                                          |
| 5/7/2018 15:20 | 0.0003                | 0.0014                                                          |
| 5/7/2018 15:21 | 0.0003                | 0.0015                                                          |
| 5/7/2018 15:22 | 0.0003                | 0.0016                                                          |
| 5/7/2018 15:23 | 0.0003                | 0.0016                                                          |
| 5/7/2018 15:24 | 0.0003                | 0.0016                                                          |
| 5/7/2018 15:25 | 0.0004                | 0.0016                                                          |
| 5/7/2018 15:26 | 0.0004                | 0.0015                                                          |
| 5/7/2018 15:27 | 0.0003                | 0.0015                                                          |
| 5/7/2018 15:28 | 0.0001                | 0.0015                                                          |
| 5/7/2018 15:29 | 0.0001                | 0.0015                                                          |
| 5/7/2018 15:30 | 0.0001                | 0.0015                                                          |
| 5/7/2018 15:31 | 0.0002                | 0.0015                                                          |
| 5/7/2018 15:32 | 0.0002                | 0.0015                                                          |
| 5/7/2018 15:33 | 0.0005                | 0.0015                                                          |
| 5/7/2018 15:34 | 0.0005                | 0.0015                                                          |
| 5/7/2018 15:35 | 0.0005                | 0.0015                                                          |
| 5/7/2018 15:36 | 0.0005                | 0.0015                                                          |
| 5/7/2018 15:37 | 0.0005                | 0.0015                                                          |
| 5/7/2018 15:38 | 0.0005                | 0.0015                                                          |
| 5/7/2018 15:39 | 0.0005                | 0.0015                                                          |
| 5/7/2018 15:40 | 0.0005                | 0.0017                                                          |
| 5/7/2018 15:41 | 0.0005                | 0.0017                                                          |
| 5/7/2018 15:42 | 0.0005                | 0.0017                                                          |
| 5/7/2018 15:43 | 0.0005                | 0.0018                                                          |
| 5/7/2018 15:44 | 0.0005                | 0.0019                                                          |
| 5/7/2018 15:45 | 0.0005                | 0.0019                                                          |
| 5/7/2018 15:46 | 0.0004                | 0.0019                                                          |
| 5/7/2018 15:47 | 0.0004                | 0.002                                                           |
| 5/7/2018 15:48 | 0.0001                | 0.0022                                                          |
| 5/7/2018 15:49 | 0                     | 0.0022                                                          |
| 5/7/2018 15:50 | 0                     | 0.0023                                                          |
| 5/7/2018 15:50 |                       |                                                                 |
| 5/7/2018 15:51 | 0                     | 0.0023                                                          |
| 5/7/2018 15:52 | 0                     | 0.0024                                                          |
| 5/7/2018 15:53 | 0                     | 0.0025                                                          |
| 5/7/2018 15:54 | 0                     | 0.0025                                                          |
| 5/7/2018 15:55 | 0                     | 0.0025                                                          |
| 5/7/2018 15:56 | 0                     | 0.0025                                                          |
| 5/7/2018 15:57 | 0                     | 0.0025                                                          |

**DOWNWIND**

| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
|----------------|-----------------------|-----------------------------------------------------------------|
| 5/7/2018 15:58 | 0                     | 0.0025                                                          |
| 5/7/2018 15:59 | 0                     | 0.0026                                                          |
| 5/7/2018 16:00 | 0                     | 0.0026                                                          |
| 5/7/2018 16:01 | 0                     | 0.0026                                                          |
| 5/7/2018 16:02 | 0                     | 0.0025                                                          |
| 5/7/2018 16:03 | 0                     | 0.0023                                                          |
| 5/7/2018 16:04 | 0                     | 0.0023                                                          |
| 5/7/2018 16:05 | 0                     | 0.0023                                                          |
| 5/7/2018 16:06 | 0                     | 0.0022                                                          |
| 5/7/2018 16:07 | 0                     | 0.0024                                                          |
| 5/7/2018 16:08 | 0                     | 0.0025                                                          |
| 5/7/2018 16:09 | 0                     | 0.0025                                                          |
| 5/7/2018 16:10 | 0                     | 0.0025                                                          |
| 5/7/2018 16:11 | 0                     | 0.0025                                                          |
| 5/7/2018 16:12 | 0                     | 0.0025                                                          |
| 5/7/2018 16:13 | 0                     | 0.0025                                                          |
| 5/7/2018 16:14 | 0                     | 0.0024                                                          |
| 5/7/2018 16:15 | 0                     | 0.0024                                                          |
| 5/7/2018 16:16 | 0                     | 0.0025                                                          |
| 5/7/2018 16:17 | 0                     | 0.0025                                                          |
| 5/7/2018 16:18 | 0                     | 0.0026                                                          |
| 5/7/2018 16:19 | 0                     | 0.0026                                                          |
| 5/7/2018 16:20 | 0                     | 0.0026                                                          |
| 5/7/2018 16:21 | 0                     | 0.0026                                                          |
| 5/7/2018 16:22 | 0                     | 0.0024                                                          |
| 5/7/2018 16:23 | 0                     | 0.0023                                                          |
| 5/7/2018 16:24 | 0                     | 0.0023                                                          |
| 5/7/2018 16:25 | 0                     | 0.0023                                                          |
| 5/7/2018 16:25 |                       |                                                                 |
| 5/7/2018 16:26 | 0                     | 0.0023                                                          |
| 5/7/2018 16:27 | 0                     | 0.0023                                                          |
| 5/7/2018 16:28 | 0                     | 0.0023                                                          |
| 5/7/2018 16:29 | 0                     | 0.0023                                                          |
| 5/7/2018 16:30 | 0                     | 0.0023                                                          |
| 5/7/2018 16:31 | 0                     | 0.0022                                                          |
| 5/7/2018 16:32 | 0                     | 0.0021                                                          |
| 5/7/2018 16:33 | 0                     | 0.0021                                                          |
| 5/7/2018 16:34 | 0                     | 0.0021                                                          |
| 5/7/2018 16:35 | 0                     | 0.0021                                                          |
| 5/7/2018 16:36 | 0                     | 0.0021                                                          |
| 5/7/2018 16:37 | 0                     | 0.002                                                           |
| 5/7/2018 16:38 | 0                     | 0.0019                                                          |
| 5/7/2018 16:39 | 0                     | 0.0019                                                          |
| 5/7/2018 16:40 | 0                     | 0.0019                                                          |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/7/2018 16:41 | 0                     | 0.002                                                           |
| 5/7/2018 16:42 | 0                     | 0.002                                                           |
| 5/7/2018 16:43 | 0                     | 0.002                                                           |
| 5/7/2018 16:44 | 0                     | 0.0023                                                          |
| 5/7/2018 16:45 | 0                     | 0.0023                                                          |
| 5/7/2018 16:46 | 0                     | 0.0023                                                          |
| 5/7/2018 16:47 | 0                     | 0.0023                                                          |
| 5/7/2018 16:48 | 0                     | 0.0023                                                          |
| 5/7/2018 16:49 | 0                     | 0.0023                                                          |
| 5/7/2018 16:50 | 0                     | 0.0023                                                          |
| 5/7/2018 16:51 | 0                     | 0.0023                                                          |
| 5/7/2018 16:52 | 0                     | 0.0023                                                          |
| 5/7/2018 16:53 | 0                     | 0.0023                                                          |
| 5/7/2018 16:54 | 0                     | 0.0023                                                          |
| 5/7/2018 16:55 | 0                     | 0.0023                                                          |
| 5/7/2018 16:56 | 0                     | 0.0023                                                          |
| 5/7/2018 16:57 | 0                     | 0.0024                                                          |
| 5/7/2018 16:58 | 0                     | 0.0024                                                          |
| 5/7/2018 16:59 | 0                     | 0.0021                                                          |
| 5/7/2018 17:00 | 0                     | 0.0021                                                          |
| 5/7/2018 17:00 |                       |                                                                 |
| 5/7/2018 17:01 | 0                     | 0.0022                                                          |
| 5/7/2018 17:02 | 0                     | 0.0022                                                          |
| 5/7/2018 17:03 | 0                     | 0.0022                                                          |
| 5/7/2018 17:04 | 0                     | 0.0022                                                          |
| 5/7/2018 17:05 | 0                     | 0.0022                                                          |
| 5/7/2018 17:06 | 0                     | 0.0022                                                          |
| 5/7/2018 17:07 | 0                     | 0.0023                                                          |
| 5/7/2018 17:08 | 0                     | 0.0023                                                          |
| 5/7/2018 17:09 | 0                     | 0.0023                                                          |
| 5/7/2018 17:10 | 0                     | 0.0024                                                          |
| 5/7/2018 17:11 | 0                     | 0.0025                                                          |
| 5/7/2018 17:12 | 0                     | 0.0024                                                          |
| 5/7/2018 17:13 | 0                     | 0.0024                                                          |
| 5/7/2018 17:14 | 0                     | 0.0024                                                          |
| 5/7/2018 17:15 | 0                     | 0.0024                                                          |
| 5/7/2018 17:16 | 0                     | 0.0024                                                          |
| 5/7/2018 17:17 | 0                     | 0.0023                                                          |
| 5/7/2018 17:18 | 0                     | 0.0023                                                          |
| 5/7/2018 17:19 | 0                     | 0.0023                                                          |
| 5/7/2018 17:20 | 0                     | 0.0023                                                          |
| 5/7/2018 17:21 | 0                     | 0.0023                                                          |
| 5/7/2018 17:22 | 0                     | 0.0023                                                          |
| 5/7/2018 17:23 | 0                     | 0.0023                                                          |

| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/7/2018 17:24 | 0                     | 0.0023                                                          |
| 5/7/2018 17:25 | 0                     | 0.0022                                                          |
| 5/7/2018 17:26 | 0                     | 0.0021                                                          |
| 5/7/2018 17:27 | 0                     | 0.002                                                           |
| 5/7/2018 17:28 | 0                     | 0.002                                                           |
| 5/7/2018 17:29 | 0                     | 0.002                                                           |
| 5/7/2018 17:30 | 0                     | 0.0019                                                          |
| 5/7/2018 17:31 | 0                     | 0.0019                                                          |
| 5/7/2018 17:32 | 0                     | 0.0019                                                          |
| 5/7/2018 17:33 | 0                     | 0.0019                                                          |
| 5/7/2018 17:34 | 0                     | 0.0019                                                          |
| 5/7/2018 17:35 | 0                     | 0.0019                                                          |
| 5/7/2018 17:35 |                       |                                                                 |
| 5/7/2018 17:36 | 0                     | 0.0019                                                          |
| 5/7/2018 17:37 | 0                     | 0.0019                                                          |
| 5/7/2018 17:38 | 0                     | 0.0019                                                          |
| 5/7/2018 17:39 | 0                     | 0.0018                                                          |
| 5/7/2018 17:40 | 0                     | 0.0018                                                          |
| 5/7/2018 17:41 | 0                     | 0.0019                                                          |
| 5/7/2018 17:42 | 0                     | 0.0019                                                          |
| 5/7/2018 17:43 | 0                     | 0.0019                                                          |
| 5/7/2018 17:44 | 0                     | 0.0019                                                          |
| 5/7/2018 17:45 | 0                     | 0.0019                                                          |
| 5/7/2018 17:46 | 0                     | 0.0019                                                          |
| 5/7/2018 17:47 | 0                     | 0.0019                                                          |
| 5/7/2018 17:48 | 0                     | 0.0018                                                          |
| 5/7/2018 17:49 | 0                     | 0.0017                                                          |
| 5/7/2018 17:50 | 0                     | 0.0018                                                          |
| 5/7/2018 17:51 | 0                     | 0.0018                                                          |
| 5/7/2018 17:52 | 0                     | 0.0018                                                          |
| 5/7/2018 17:53 | 0                     | 0.0018                                                          |
| 5/7/2018 17:54 | 0                     | 0.0019                                                          |
| 5/7/2018 17:55 | 0                     | 0.0019                                                          |
| 5/7/2018 17:56 | 0                     | 0.0019                                                          |
| 5/7/2018 17:57 | 0                     | 0.0019                                                          |
| 5/7/2018 17:58 | 0                     | 0.0019                                                          |
| 5/7/2018 17:59 | 0                     | 0.002                                                           |
| 5/7/2018 18:00 | 0                     | 0.002                                                           |
| 5/7/2018 18:01 | 0                     | 0.002                                                           |
| 5/7/2018 18:02 | 0                     | 0.0021                                                          |
| 5/7/2018 18:03 | 0                     | 0.0023                                                          |
| 5/7/2018 18:04 | 0                     | 0.0025                                                          |
| 5/7/2018 18:05 | 0                     | 0.0027                                                          |
| 5/7/2018 18:06 | 0                     | 0.0028                                                          |



| DOWNWIND       |                       |                                                                 |
|----------------|-----------------------|-----------------------------------------------------------------|
| Time           | VOC ppm AVG 15m (ppm) | Mass Conc. Total mg/m <sup>3</sup> AVG 15m (mg/m <sup>3</sup> ) |
| 5/7/2018 18:07 | 0                     | 0.0029                                                          |
| 5/7/2018 18:08 | 0                     | 0.003                                                           |
| 5/7/2018 18:09 | 0                     | 0.0031                                                          |
| 5/7/2018 18:10 | 0                     | 0.0032                                                          |
| 5/7/2018 18:10 |                       |                                                                 |
| 5/7/2018 18:11 | 0                     | 0.0033                                                          |
| 5/7/2018 18:12 | 0                     | 0.0034                                                          |
| 5/7/2018 18:13 | 0                     | 0.0033                                                          |
| 5/7/2018 18:14 | 0                     | 0.0033                                                          |
| 5/7/2018 18:15 | 0                     | 0.0034                                                          |
| 5/7/2018 18:16 | 0                     | 0.0035                                                          |
| 5/7/2018 18:17 | 0                     | 0.0033                                                          |
| 5/7/2018 18:18 | 0                     | 0.0031                                                          |

## **APPENDIX H**

### **Injection Point Installation Forms**

|            |                                                  |                |                                 |
|------------|--------------------------------------------------|----------------|---------------------------------|
|            | TEMPORARY INJECTION POINT<br>INSTALLATION REPORT |                | Injection Point No.<br><br>IP-1 |
|            |                                                  |                |                                 |
| PROJECT    | Building Addition Infiltration Gallery           | H&A FILE NO.   | 129375-002                      |
| LOCATION   | 711 North Road, Scottsville, New York            | PROJECT MGR.   | M. Ramsdell                     |
| CLIENT     | Coopervision                                     | FIELD REP.     | R. Lydell/D. Nostrant           |
| CONTRACTOR | NYEG                                             | DATE INSTALLED | 4/15/2018                       |
| DRILLER    | Jay                                              | WATER LEVEL    |                                 |

|  |  |                          |                                                                             |
|--|--|--------------------------|-----------------------------------------------------------------------------|
|  |  | Location <u>See Plan</u> | <input type="checkbox"/> Guard Pipe<br><input type="checkbox"/> Roadway Box |
|--|--|--------------------------|-----------------------------------------------------------------------------|

| SOIL/ROCK<br>CONDITIONS | BOREHOLE<br>BACKFILL | <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="font-size: 8px;">(Bottom of Exploration)<br/>(Numbers refer to depth from ground surface in feet)</p> </div> <div style="width: 50%;"> <p style="font-size: 10px;">Type of protective cover/lock <u>N/A</u></p> <p style="font-size: 10px;">Height of top of guard pipe/roadway box above/below ground surface <u>NT</u> ft</p> <p style="font-size: 10px;">Depth of top of riser pipe above/below ground surface <u>TBD</u> ft</p> <p style="font-size: 10px;">Type of protective casing: <u>N/A</u></p> <p style="font-size: 10px;">Length <u>-</u> ft</p> <p style="font-size: 10px;">Inside Diameter <u>-</u> in</p> <p style="font-size: 10px;">Depth of bottom of guard pipe/roadway box <u>-</u> ft</p> <table border="1" style="width: 100%; font-size: 8px;"> <thead> <tr> <th>Type of Seals</th> <th>Top of Seal (ft)</th> <th>Thickness (ft)</th> </tr> </thead> <tbody> <tr><td>N/A</td><td></td><td></td></tr> <tr><td>N/A</td><td></td><td></td></tr> <tr><td>N/A</td><td></td><td></td></tr> <tr><td>N/A</td><td></td><td></td></tr> </tbody> </table> <p style="font-size: 10px;">Type of riser pipe: <u>PVC</u></p> <p style="font-size: 10px;">Inside diameter of riser pipe <u>1.0</u> in</p> <p style="font-size: 10px;">Type of backfill around riser <u>1A Crushed Stone</u></p> <p style="font-size: 10px;">Diameter of borehole <u>8.0</u> in</p> <p style="font-size: 10px;">Depth to top of peastone <u>0.0</u> ft</p> <p style="font-size: 10px;">Diameter of borehole <u>8.0</u> in</p> <p style="font-size: 10px;">Depth of bottom of borehole <u>25.0</u> ft</p> </div> </div> | Type of Seals | Top of Seal (ft) | Thickness (ft) | N/A |  |  | N/A |  |  | N/A |  |  | N/A |  |  |
|-------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|----------------|-----|--|--|-----|--|--|-----|--|--|-----|--|--|
| Type of Seals           | Top of Seal (ft)     | Thickness (ft)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |
| N/A                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |
| N/A                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |
| N/A                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |
| N/A                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |

|                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>      </u> ft + <u>      </u> ft + <u>      </u> ft = <u>      </u> ft<br>Riser Pay Length (L1)      Length of screen (L2)      Length of silt trap (L3)      Pay length |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

COMMENTS: DTW-4.13 and DTB-24.8/Top Ground Surface (TOGS)

|                                                           |                               | Location _____                                                                                                                              |  | <input type="checkbox"/> Guard Pipe<br><input type="checkbox"/> Roadway Box                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |               |                  |                |     |       |       |     |       |       |     |       |       |     |       |       |
|-----------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------|------------------|----------------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| SOIL/ROCK<br>CONDITIONS                                   | BOREHOLE<br>BACKFILL          |                                                                                                                                             |  | Type of protective cover/lock _____ N/A<br>Height of top of guard pipe/roadway box above/below ground surface _____ N/A ft<br>Depth of top of riser pipe above/below ground surface _____ TBD ft<br>Type of protective casing: _____ N/A<br>Length _____ - ft<br>Inside Diameter _____ - in<br>Depth of bottom of guard pipe/roadway box _____ - ft<br><table border="1"> <thead> <tr> <th>Type of Seals</th> <th>Top of Seal (ft)</th> <th>Thickness (ft)</th> </tr> </thead> <tbody> <tr><td>N/A</td><td>_____</td><td>_____</td></tr> <tr><td>N/A</td><td>_____</td><td>_____</td></tr> <tr><td>N/A</td><td>_____</td><td>_____</td></tr> <tr><td>N/A</td><td>_____</td><td>_____</td></tr> </tbody> </table> Type of riser pipe: _____ PVC<br>Inside diameter of riser pipe _____ 1.0 in<br>Type of backfill around riser _____ 1A Crushed Stone<br>Diameter of borehole _____ 6.0 in<br>Depth to top of peastone _____ 0.0 ft<br>Diameter of borehole _____ 6.0 in<br>Depth of bottom of borehole _____ 25.0 ft |  | Type of Seals | Top of Seal (ft) | Thickness (ft) | N/A | _____ | _____ | N/A | _____ | _____ | N/A | _____ | _____ | N/A | _____ | _____ |
| Type of Seals                                             | Top of Seal (ft)              | Thickness (ft)                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |               |                  |                |     |       |       |     |       |       |     |       |       |     |       |       |
| N/A                                                       | _____                         | _____                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |               |                  |                |     |       |       |     |       |       |     |       |       |     |       |       |
| N/A                                                       | _____                         | _____                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |               |                  |                |     |       |       |     |       |       |     |       |       |     |       |       |
| N/A                                                       | _____                         | _____                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |               |                  |                |     |       |       |     |       |       |     |       |       |     |       |       |
| N/A                                                       | _____                         | _____                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |               |                  |                |     |       |       |     |       |       |     |       |       |     |       |       |
| GLACIAL<br>TILL                                           | 0.0<br>1A<br>CRUSHED<br>STONE | L1<br>L2                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |               |                  |                |     |       |       |     |       |       |     |       |       |     |       |       |
| (Bottom of Exploration)                                   |                               | (Not to Scale)                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |               |                  |                |     |       |       |     |       |       |     |       |       |     |       |       |
| (Numbers refer to depth from ground surface in feet)      |                               | _____ ft + _____ ft + _____ ft = _____ ft<br>Riser Pay Length (L1)      Length of screen (L2)      Length of silt trap (L3)      Pay length |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |               |                  |                |     |       |       |     |       |       |     |       |       |     |       |       |
| COMMENTS: DTW-4.04 and DTB-25.2/Top Ground Surface (TOGS) |                               |                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |               |                  |                |     |       |       |     |       |       |     |       |       |     |       |       |

|                                                                                                                     |                   | Location       |  | <input type="checkbox"/> Guard Pipe<br><input type="checkbox"/> Roadway Box                                                                                                                                                                                                                                                                                                                                                                                |  |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |
|---------------------------------------------------------------------------------------------------------------------|-------------------|----------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------|------------------|----------------|-----|--|--|-----|--|--|-----|--|--|-----|--|--|
| SOIL/ROCK CONDITIONS                                                                                                | BOREHOLE BACKFILL |                |  | N/A<br><br>N/A ft<br>TBD ft<br>N/A<br>- ft<br>- in<br>- ft<br><table border="1"> <thead> <tr> <th>Type of Seals</th> <th>Top of Seal (ft)</th> <th>Thickness (ft)</th> </tr> </thead> <tbody> <tr><td>N/A</td><td></td><td></td></tr> <tr><td>N/A</td><td></td><td></td></tr> <tr><td>N/A</td><td></td><td></td></tr> <tr><td>N/A</td><td></td><td></td></tr> </tbody> </table> PVC<br>1.0 in<br>1A Crushed Stone<br>6.0 in<br>0.0 ft<br>6.0 in<br>25.0 ft |  | Type of Seals | Top of Seal (ft) | Thickness (ft) | N/A |  |  | N/A |  |  | N/A |  |  | N/A |  |  |
| Type of Seals                                                                                                       | Top of Seal (ft)  | Thickness (ft) |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |
| N/A                                                                                                                 |                   |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |
| N/A                                                                                                                 |                   |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |
| N/A                                                                                                                 |                   |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |
| N/A                                                                                                                 |                   |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |
| GLACIAL TILL                                                                                                        | 1A CRUSHED STONE  |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |
| (Bottom of Exploration)                                                                                             |                   | (Not to Scale) |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |
| ft + ft + ft = ft<br>Riser Pay Length (L1)      Length of screen (L2)      Length of silt trap (L3)      Pay length |                   |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |
| COMMENTS: DTW-4.27 and DTB-25.1/Top Ground Surface (TOGS)                                                           |                   |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |               |                  |                |     |  |  |     |  |  |     |  |  |     |  |  |

|            |                                                  |  |                                 |
|------------|--------------------------------------------------|--|---------------------------------|
|            | TEMPORARY INJECTION POINT<br>INSTALLATION REPORT |  | Injection Point No.<br><br>IP-1 |
|            |                                                  |  |                                 |
| PROJECT    | Building Addition Infiltration Gallery           |  | H&A FILE NO.                    |
| LOCATION   | 711 North Road, Scottsville, New York            |  | PROJECT MGR.                    |
| CLIENT     | Coopervision                                     |  | FIELD REP.                      |
| CONTRACTOR | NYEG                                             |  | DATE INSTALLED                  |
| DRILLER    | Jay                                              |  | WATER LEVEL                     |

|  |  |                |                                                                             |
|--|--|----------------|-----------------------------------------------------------------------------|
|  |  | Location _____ | <input type="checkbox"/> Guard Pipe<br><input type="checkbox"/> Roadway Box |
|--|--|----------------|-----------------------------------------------------------------------------|

|                         |                        |     |    |    |      |  |  |  |  |
|-------------------------|------------------------|-----|----|----|------|--|--|--|--|
| SOIL/ROCK<br>CONDITIONS | BOREHOLE<br>BACKFILL   |     |    |    |      |  |  |  |  |
| GLACIAL<br>TILL         | 1A<br>CRUSHED<br>STONE | 0.0 | L1 | L2 | 25.0 |  |  |  |  |
|                         |                        |     |    |    |      |  |  |  |  |
|                         |                        |     |    |    |      |  |  |  |  |
|                         |                        |     |    |    |      |  |  |  |  |
|                         |                        |     |    |    |      |  |  |  |  |
|                         |                        |     |    |    |      |  |  |  |  |
|                         |                        |     |    |    |      |  |  |  |  |
|                         |                        |     |    |    |      |  |  |  |  |
|                         |                        |     |    |    |      |  |  |  |  |
|                         |                        |     |    |    |      |  |  |  |  |

|                                                                    |        |
|--------------------------------------------------------------------|--------|
| Type of protective cover/lock                                      | N/A    |
| Height of top of guard pipe/roadway box above/below ground surface | N/A ft |
| Depth of top of riser pipe above/below ground surface              | TBD ft |
| Type of protective casing:                                         | N/A    |
| Length                                                             | - ft   |
| Inside Diameter                                                    | - in   |
| Depth of bottom of guard pipe/roadway box                          | - ft   |

| Type of Seals | Top of Seal (ft) | Thickness (ft) |
|---------------|------------------|----------------|
| N/A           |                  |                |
| N/A           |                  |                |
| N/A           |                  |                |
| N/A           |                  |                |

|                               |                  |
|-------------------------------|------------------|
| Type of riser pipe:           | PVC              |
| Inside diameter of riser pipe | 1.0 in           |
| Type of backfill around riser | 1A Crushed Stone |
| Diameter of borehole          | 6.0 in           |
| Depth to top of peastone      | 0.0 ft           |
| Diameter of borehole          | 6.0 in           |
| Depth of bottom of borehole   | 25.0 ft          |

(Bottom of Exploration)  
 (Numbers refer to depth from ground surface in feet)

(Not to Scale)

|                                   |                                     |                                        |                          |
|-----------------------------------|-------------------------------------|----------------------------------------|--------------------------|
| _____ ft<br>Riser Pay Length (L1) | + _____ ft<br>Length of screen (L2) | + _____ ft<br>Length of silt trap (L3) | = _____ ft<br>Pay length |
|-----------------------------------|-------------------------------------|----------------------------------------|--------------------------|

COMMENTS: DTW-4.36 and DTB-25.0/Top Ground Surface (TOGS)

## **APPENDIX I**

### **MW-401 Well Decommission Form**

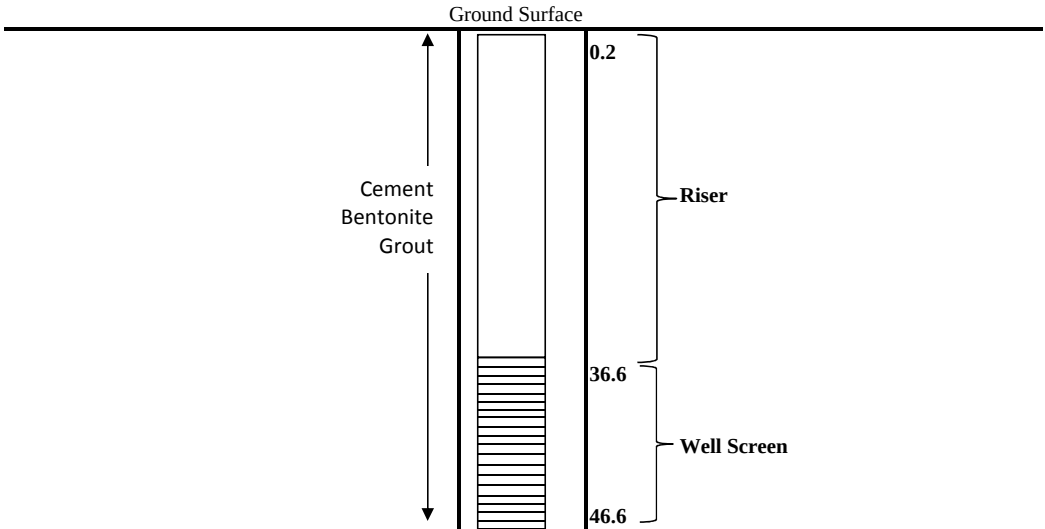
|                                                                                   |                                                                  |                                                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|  | <h1 style="margin: 0;">WELL DECOMMISSIONING REPORT</h1>          | <b>Well No.</b><br><br><b>MW-401</b>                                                       |
| <b>PROJECT</b><br><b>LOCATION</b><br><b>CLIENT</b><br><b>CONTRACTOR</b>           | New Employee Entrance<br>Scottsville, NY<br>Coopervision<br>NYED | <b>H&amp;A FILE NO.</b><br><b>PROJECT MGR.</b><br><b>FIELD REP.</b><br><b>REMOVAL DATE</b> |
|                                                                                   |                                                                  | 129375-002<br>M. Ramsdell<br>D. Nostrant<br>5/7/2018                                       |

| <table style="width: 100%;"> <tr> <td style="width: 40%;">Well Designation</td> <td style="width: 60%;">MW-401</td> </tr> <tr> <td>Well Diameter</td> <td>2.0 in</td> </tr> <tr> <td>Decommissioning Technique</td> <td>Grout in place</td> </tr> <tr> <td>Depth to Groundwater</td> <td>6.1</td> </tr> <tr> <td>Total Depth of Well</td> <td>46.6</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 20%;">Cement<br/>(Lbs. - Bags*)</th> <th style="width: 20%;">Additive<br/>(Lbs. - Gals.)</th> <th style="width: 20%;">Water<br/>(Gals.)</th> <th style="width: 30%;">Final Quantity<br/>(Gals.)</th> </tr> </thead> <tbody> <tr> <td>Type</td> <td style="text-align: center;">94-1</td> <td style="text-align: center;">4.0</td> <td style="text-align: center;">8.0</td> <td style="background-color: #cccccc;"></td> </tr> <tr> <td>Manufacturer</td> <td style="text-align: center;">Quickrete</td> <td style="text-align: center;">Cetco</td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> </tr> <tr> <td>Quantity</td> <td style="text-align: center;">1</td> <td style="text-align: center;">4.0</td> <td style="text-align: center;">8.0</td> <td style="text-align: center;">8.0</td> </tr> </tbody> </table> | Well Designation         | MW-401                     | Well Diameter    | 2.0 in                    | Decommissioning Technique | Grout in place | Depth to Groundwater | 6.1 | Total Depth of Well | 46.6 |  | Cement<br>(Lbs. - Bags*) | Additive<br>(Lbs. - Gals.) | Water<br>(Gals.) | Final Quantity<br>(Gals.) | Type | 94-1 | 4.0 | 8.0 |  | Manufacturer | Quickrete | Cetco |  |  | Quantity | 1 | 4.0 | 8.0 | 8.0 | <p><b>Exlanation of Well Decommissioning Techniques:</b></p> <p><b>A. Shallow Wells:</b></p> <p>These wells may either be removed by pulling the casing out of the ground, or plugged in-place using bentonite grout. If the well is plugged in-place, the casing must be plugged above the screen using a bentonite/cement grout (see grout placement guidelines), and the casing should be cut-off a minimum of 3 feet below the ground surface. If the well is pulled, care should be taken to compact the soils to avoid significant ground subsidence.</p> <p><b>B. Deep Wells:</b> Deep wells must be plugged using a bentonite/cement grout, which will fill the casing and annular space (see grout placement guidelines). The casing must be terminated 3 feet below the ground surface.</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------|------------------|---------------------------|---------------------------|----------------|----------------------|-----|---------------------|------|--|--------------------------|----------------------------|------------------|---------------------------|------|------|-----|-----|--|--------------|-----------|-------|--|--|----------|---|-----|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Well Designation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MW-401                   |                            |                  |                           |                           |                |                      |     |                     |      |  |                          |                            |                  |                           |      |      |     |     |  |              |           |       |  |  |          |   |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Well Diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2.0 in                   |                            |                  |                           |                           |                |                      |     |                     |      |  |                          |                            |                  |                           |      |      |     |     |  |              |           |       |  |  |          |   |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Decommissioning Technique                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Grout in place           |                            |                  |                           |                           |                |                      |     |                     |      |  |                          |                            |                  |                           |      |      |     |     |  |              |           |       |  |  |          |   |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Depth to Groundwater                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6.1                      |                            |                  |                           |                           |                |                      |     |                     |      |  |                          |                            |                  |                           |      |      |     |     |  |              |           |       |  |  |          |   |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Total Depth of Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 46.6                     |                            |                  |                           |                           |                |                      |     |                     |      |  |                          |                            |                  |                           |      |      |     |     |  |              |           |       |  |  |          |   |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cement<br>(Lbs. - Bags*) | Additive<br>(Lbs. - Gals.) | Water<br>(Gals.) | Final Quantity<br>(Gals.) |                           |                |                      |     |                     |      |  |                          |                            |                  |                           |      |      |     |     |  |              |           |       |  |  |          |   |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 94-1                     | 4.0                        | 8.0              |                           |                           |                |                      |     |                     |      |  |                          |                            |                  |                           |      |      |     |     |  |              |           |       |  |  |          |   |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Manufacturer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quickrete                | Cetco                      |                  |                           |                           |                |                      |     |                     |      |  |                          |                            |                  |                           |      |      |     |     |  |              |           |       |  |  |          |   |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Quantity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                        | 4.0                        | 8.0              | 8.0                       |                           |                |                      |     |                     |      |  |                          |                            |                  |                           |      |      |     |     |  |              |           |       |  |  |          |   |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**\*1 Bag = 94 Lbs.**

**Sketch:**



|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>COMMENTS:</b> | Broke out bottom of well screen at 46.6 ft. Installed tremmie pipe.<br><br><div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



## **APPENDIX J**

### **Laboratory Data Package**



October 23, 2017

Service Request No:R1709790

Mr. Mark Ramsdell  
Haley & Aldrich, Inc.  
200 Town Centre Drive  
Suite 2  
Rochester, NY 14623-4264

### Laboratory Results for: Coopervision Semi-Annual Wells

Dear Mr.Ramsdell,

Enclosed are the results of the sample(s) submitted to our laboratory October 13, 2017  
For your reference, these analyses have been assigned our service request number **R1709790**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**

Brady Kalkman  
Project Manager

**ADDRESS** 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623  
**PHONE** +1 585 288 5380 | **FAX** +1 585 288 8475  
ALS Group USA, Corp.  
dba ALS Environmental



## Narrative Documents

**ALS Environmental—Rochester Laboratory**

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

[www.alsglobal.com](http://www.alsglobal.com)

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Received:** 10/13/17

### CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

#### Sample Receipt

Thirteen Water samples were received for analysis at ALS Environmental on 10/13/2017. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at  $\leq 6^{\circ}\text{C}$  upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

#### Volatile Organic Analyses:

Method 8260, 10/17/17(run#2), 10/18/17, 10/19/17: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260, 10/19/17: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260, 10/17/17(run#2): The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method RSK-175, R1709790-003: Sample PH was  $>2$  and sample analysis was greater than 7 days from date of sampling.

#### Semi-Volatile Organic Analyses:

No significant anomalies were noted with this analysis.

#### Metals Analyses:

No significant anomalies were noted with this analysis.

#### General Chemistry Analyses:

Method 300.0 Nitrite, R1709790-003: The sample was diluted to elevate the reporting limit above the presence of non-target background components indicated on the chromatogram. Sample has very high chloride concentration, which interferes directly with Nitrite. The matrix interference prevented adequate resolution of one or more target compound(s) at the reporting limit.

Approved by  Date 10/23/2017

### SAMPLE DETECTION SUMMARY

| CLIENT ID: MW202-101217-1550           |         | Lab ID: R1709790-001 |      |       |       |            |
|----------------------------------------|---------|----------------------|------|-------|-------|------------|
| Analyte                                | Results | Flag                 | MDL  | PQL   | Units | Method     |
| Alkalinity, Total as CaCO <sub>3</sub> | 134     |                      | 1.0  | 2.0   | mg/L  | SM 2320 B- |
| Chloride                               | 1760    |                      | 3    | 40    | mg/L  | 9056A      |
| Sulfate                                | 429     |                      | 2    | 20    | mg/L  | 9056A      |
| Chloroethane                           | 7.2     |                      | 0.24 | 5.0   | ug/L  | 8260C      |
| 1,1-Dichloroethane                     | 120     |                      | 0.20 | 5.0   | ug/L  | 8260C      |
| 1,1-Dichloroethene                     | 110     |                      | 0.57 | 5.0   | ug/L  | 8260C      |
| Methane                                | 9.3     |                      | 0.50 | 1.1   | ug/L  | RSK 175    |
| CLIENT ID: MW205-101217-1430           |         | Lab ID: R1709790-003 |      |       |       |            |
| Analyte                                | Results | Flag                 | MDL  | PQL   | Units | Method     |
| Alkalinity, Total as CaCO <sub>3</sub> | 3340    |                      | 1.0  | 2.0   | mg/L  | SM 2320 B- |
| Chloride                               | 846     |                      | 4    | 60    | mg/L  | 9056A      |
| Sulfide, Acid-Soluble                  | 1.8     |                      | 0.4  | 1.0   | mg/L  | 9034       |
| Iron, Total                            | 110000  |                      | 800  | 1000  | ug/L  | 6010C      |
| 1,1-Dichloroethane                     | 170000  |                      | 400  | 10000 | ug/L  | 8260C      |
| 1,1,1-Trichloroethane                  | 40000   |                      | 720  | 10000 | ug/L  | 8260C      |
| Methane                                | 4600    |                      | 50   | 110   | ug/L  | RSK 175    |
| Acetic Acid                            | 1300    |                      | 50   | 50    | mg/L  | Organic    |
| Butanoic Acid (Butyric Acid)           | 3300    |                      | 16   | 100   | mg/L  | Organic    |
| Propionic Acid                         | 790     |                      | 9.4  | 50    | mg/L  | Organic    |
| CLIENT ID: MW205-101217-1430 Dissolved |         | Lab ID: R1709790-004 |      |       |       |            |
| Analyte                                | Results | Flag                 | MDL  | PQL   | Units | Method     |
| Iron, Dissolved                        | 110000  |                      | 800  | 1000  | ug/L  | 6010C      |
| CLIENT ID: OW302-101217-1350           |         | Lab ID: R1709790-005 |      |       |       |            |
| Analyte                                | Results | Flag                 | MDL  | PQL   | Units | Method     |
| Chloroethane                           | 21000   | D                    | 48   | 1000  | ug/L  | 8260C      |
| CLIENT ID: MW3-101217-1200             |         | Lab ID: R1709790-006 |      |       |       |            |
| Analyte                                | Results | Flag                 | MDL  | PQL   | Units | Method     |
| Alkalinity, Total as CaCO <sub>3</sub> | 228     |                      | 1.0  | 2.0   | mg/L  | SM 2320 B- |
| Chloride                               | 397     |                      | 2    | 20    | mg/L  | 9056A      |
| Sulfate                                | 23.0    |                      | 0.2  | 2.0   | mg/L  | 9056A      |
| Iron, Total                            | 22100   |                      | 80   | 100   | ug/L  | 6010C      |
| Chloroethane                           | 650     | D                    | 1.2  | 25    | ug/L  | 8260C      |
| 1,1-Dichloroethane                     | 83      |                      | 0.50 | 13    | ug/L  | 8260C      |
| Vinyl Chloride                         | 36      |                      | 0.80 | 13    | ug/L  | 8260C      |
| Ethylene                               | 54      |                      | 6.9  | 50    | ug/L  | RSK 175    |
| Methane                                | 2100    |                      | 25   | 53    | ug/L  | RSK 175    |
| CLIENT ID: MW501-101217-1135           |         | Lab ID: R1709790-008 |      |       |       |            |
| Analyte                                | Results | Flag                 | MDL  | PQL   | Units | Method     |
| Chloroethane                           | 330     |                      | 0.60 | 13    | ug/L  | 8260C      |

### SAMPLE DETECTION SUMMARY

|                                     |  |  |                             |  |  |  |
|-------------------------------------|--|--|-----------------------------|--|--|--|
| <b>CLIENT ID: MW501-101217-1135</b> |  |  | <b>Lab ID: R1709790-008</b> |  |  |  |
|-------------------------------------|--|--|-----------------------------|--|--|--|

| Analyte            | Results | Flag | MDL  | PQL | Units | Method |
|--------------------|---------|------|------|-----|-------|--------|
| 1,1-Dichloroethane | 57      |      | 0.50 | 13  | ug/L  | 8260C  |
| Vinyl Chloride     | 68      |      | 0.80 | 13  | ug/L  | 8260C  |

|                                     |  |  |                             |  |  |  |
|-------------------------------------|--|--|-----------------------------|--|--|--|
| <b>CLIENT ID: MW502-101217-1245</b> |  |  | <b>Lab ID: R1709790-009</b> |  |  |  |
|-------------------------------------|--|--|-----------------------------|--|--|--|

| Analyte            | Results | Flag | MDL | PQL | Units | Method |
|--------------------|---------|------|-----|-----|-------|--------|
| Chloroethane       | 2000    | D    | 4.8 | 100 | ug/L  | 8260C  |
| 1,1-Dichloroethane | 100     |      | 2.0 | 50  | ug/L  | 8260C  |
| Vinyl Chloride     | 230     |      | 3.2 | 50  | ug/L  | 8260C  |



## Sample Receipt Information

**ALS Environmental—Rochester Laboratory**

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

[www.alsglobal.com](http://www.alsglobal.com)

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002

**Service Request:**R1709790

**SAMPLE CROSS-REFERENCE**

| <u>SAMPLE #</u> | <u>CLIENT SAMPLE ID</u>     | <u>DATE</u> | <u>TIME</u> |
|-----------------|-----------------------------|-------------|-------------|
| R1709790-001    | MW202-101217-1550           | 10/12/2017  | 1550        |
| R1709790-002    | MW202-101217-1550 Dissolved | 10/12/2017  | 1550        |
| R1709790-003    | MW205-101217-1430           | 10/12/2017  | 1430        |
| R1709790-004    | MW205-101217-1430 Dissolved | 10/12/2017  | 1430        |
| R1709790-005    | OW302-101217-1350           | 10/12/2017  | 1350        |
| R1709790-006    | MW3-101217-1200             | 10/12/2017  | 1200        |
| R1709790-007    | MW3-101217-1200 Dissolved   | 10/12/2017  | 1200        |
| R1709790-008    | MW501-101217-1135           | 10/12/2017  | 1135        |
| R1709790-009    | MW502-101217-1245           | 10/12/2017  | 1245        |
| R1709790-010    | MW203-101317-1330           | 10/13/2017  | 1330        |
| R1709790-011    | MW204-101317-1230           | 10/13/2017  | 1230        |
| R1709790-012    | OW306-101317-1145           | 10/13/2017  | 1145        |
| R1709790-013    | Trip Blank                  | 10/12/2017  |             |





**HALEY  
ALDRICH**

ALS Environmental Laboratory:

1565 Jefferson Rd, Bldg 300, Ste 360, Rochester, NY 14623, USA | +1 585 288 5380

# Chain of Custody Form

Page 1 of 1

|                                              |  |  |  |                     |  |                  |  |
|----------------------------------------------|--|--|--|---------------------|--|------------------|--|
| Blanket Service Agreement: 2015-18-ALS Group |  |  |  | H&A Project Number: |  | H&A Client Name: |  |
| ALS Project Manager:                         |  |  |  | ALS Work Order #:   |  |                  |  |

| Customer Information |                                  |                         | Project Information |  |  | Parameter/Method Request for Analysis |                                         |  |  |  |  |  |  |  |  |  |  |
|----------------------|----------------------------------|-------------------------|---------------------|--|--|---------------------------------------|-----------------------------------------|--|--|--|--|--|--|--|--|--|--|
| Purchase Order       |                                  | Project Name            | CooperVision        |  |  | A                                     | 8260C VOCs                              |  |  |  |  |  |  |  |  |  |  |
| Work Order           |                                  | Project Number          | 129375-002 SID4     |  |  | B                                     | Bsk 175 Gases                           |  |  |  |  |  |  |  |  |  |  |
| Company Name         | Haley & Aldrich                  | Bill To Company         |                     |  |  | C                                     | SM 2320 B1997- Alkalinity               |  |  |  |  |  |  |  |  |  |  |
| Send Report To       | Mark Ramsdell                    | Invoice Attn.           | Accounts Payable    |  |  | D                                     | Sulfides 9034                           |  |  |  |  |  |  |  |  |  |  |
| Address              | 200 Town Centre Drive<br>Suite 2 | Address                 |                     |  |  | E                                     | Organic Acids                           |  |  |  |  |  |  |  |  |  |  |
| City/State/Zip       | Rochester, NY, 14623             | City/State/Zip          |                     |  |  | F                                     | TDE SM 5310 C-2000                      |  |  |  |  |  |  |  |  |  |  |
| Phone                | 585-421-4241                     | Phone                   |                     |  |  | G                                     | Dissolved Fe 6010C (Field Filtered)     |  |  |  |  |  |  |  |  |  |  |
| Fax                  |                                  | State Samples Collected |                     |  |  | H                                     | Total Fe 6010C                          |  |  |  |  |  |  |  |  |  |  |
| Email Address        | MRamsdell@haleyaldrich.com       | Email Address           |                     |  |  | I                                     | NO2 (9056A), NO3 (9056A), Chloride, SO4 |  |  |  |  |  |  |  |  |  |  |
|                      |                                  |                         |                     |  |  | J                                     |                                         |  |  |  |  |  |  |  |  |  |  |

| No. | Sample Description | Date     | Time | Matrix | Pres. Key Numbers | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|----------|------|--------|-------------------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1   | MW202-101217-1550  | 10/12/17 | 1550 | GW     | 1                 | 13        | X | X | X | X | X | X | X | X | X |   |      |
| 2   | MW205-101217-1430  | 10/12/17 | 1430 | GW     | 1                 | 12        | X | X | X | X | X | X | X | X | X |   |      |
| 3   | OW302-101217-1350  | 10/12/17 | 1350 | GW     |                   | 3         | X |   |   |   |   |   |   |   |   |   |      |
| 4   | MW3-101217-1200    | 10/12/17 | 1200 | GW     | 1                 | 11        | X | X | X | X |   |   |   | X | X | X |      |
| 5   | MW501-101217-1135  | 10/12/17 | 1135 | GW     |                   | 3         | X |   |   |   |   |   |   |   |   |   |      |
| 6   | MW502-101217-1245  | 10/12/17 | 1245 | GW     |                   | 3         | X |   |   |   |   |   |   |   |   |   |      |
| 7   | MW203-101217-1330  | 10/12/17 | 1330 | GW     |                   | 3         | X |   |   |   |   |   |   |   |   |   |      |
| 8   | MW204-101317-1230  | 10/13/17 | 1230 | GW     |                   | 3         | X |   |   |   |   |   |   |   |   |   |      |
| 9   | OW306-101317-1145  | 10/13/17 | 1145 | GW     |                   | 3         | X |   |   |   |   |   |   |   |   |   |      |
| 10  | TRIP Blank         | 10/13/17 |      | AQ     |                   | 3         | X |   |   |   |   |   |   |   |   |   |      |

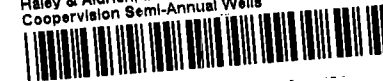
|                                                                                     |                   |                  |                                                                                                                                                                                                  |  |                                                                                        |
|-------------------------------------------------------------------------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|
| Sampler(s): Please Print & Sign<br><i>Don Surger</i>                                |                   | Shipment Method: | Turnaround Time in Business Days (BD):<br><input type="checkbox"/> 10 BD <input type="checkbox"/> 5 BD <input type="checkbox"/> 3 BD <input type="checkbox"/> 2 BD <input type="checkbox"/> 1 BD |  | Results Due Date:                                                                      |
| Relinquished by:<br><i>Don Surger</i>                                               | Date:<br>10/13/17 | Time:<br>1500    | Received by:<br><i>Shirley</i>                                                                                                                                                                   |  | Notes:                                                                                 |
| Relinquished by:                                                                    | Date:             | Time:            | Received by (Laboratory):<br><i>Shirley</i> 10/13/17/1500                                                                                                                                        |  | ALS Cooler ID                                                                          |
| Logged by (Laboratory):                                                             | Date:             | Time:            | Checked by (Laboratory):<br><i>Shirley</i> 10/13/17                                                                                                                                              |  | Cooler Temp                                                                            |
| Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-None/40C |                   |                  |                                                                                                                                                                                                  |  | QC Package: (Check Box Below)                                                          |
|                                                                                     |                   |                  |                                                                                                                                                                                                  |  | <input type="checkbox"/> Level II: Standard QC <input type="checkbox"/> TRRP Checklist |
|                                                                                     |                   |                  |                                                                                                                                                                                                  |  | <input type="checkbox"/> Level III <input type="checkbox"/> TRRP Level IV              |
|                                                                                     |                   |                  |                                                                                                                                                                                                  |  | <input type="checkbox"/> Level IV: Std QC/Raw Data                                     |
|                                                                                     |                   |                  |                                                                                                                                                                                                  |  | <input type="checkbox"/> Other:                                                        |

1. ALS Group's services under this Chain of Custody shall be performed in accordance with terms and conditions within Blanket Service Agreement# 2015-18-ALS Group by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and ALS Group.

2. Communicate with Laboratory Project Manager for any turnaround time less than 5 days.

**R1709790**

Haley & Aldrich, Inc.  
CooperVision Semi-Annual Wells





# Cooler Receipt and Preservation Check Form

R1709790

5

Haley & Aldrich, Inc.  
Cooperation Semi-Annual Wells



Project/Client ALA Folder Number \_\_\_\_\_

Cooler received on 10/13/17 by: Q

COURIER: ALS UPS FEDEX VELOCITY CLIENT

|   |                                                      |            |
|---|------------------------------------------------------|------------|
| 1 | Were Custody seals on outside of cooler?             | Y <u>N</u> |
| 2 | Custody papers properly completed (ink, signed)?     | Y <u>N</u> |
| 3 | Did all bottles arrive in good condition (unbroken)? | Y <u>N</u> |
| 4 | Circle: <u>Wet Ice</u> Dry Ice Gel packs present?    | Y <u>N</u> |

|    |                                                   |                       |
|----|---------------------------------------------------|-----------------------|
| 5a | Perchlorate samples have required headspace?      | Y <u>N</u> <u>NA</u>  |
| 5b | Did VOA vials, Alk, or Sulfide have sig* bubbles? | Y <u>N</u> <u>NA</u>  |
| 6  | Where did the bottles originate?                  | <u>ALS/ROC</u> CLIENT |
| 7  | Soil VOA received as: Bulk Encore 5035set         | <u>NA</u>             |

8. Temperature Readings Date: 10/13/17 Time: 1518 ID: IR#7 IR#9 From: Temp Blank Sample Bottle

|                               |                   |            |            |            |            |            |            |            |
|-------------------------------|-------------------|------------|------------|------------|------------|------------|------------|------------|
| Observed Temp (°C)            | <u>5.5</u>        |            |            |            |            |            |            |            |
| Correction Factor (°C)        | <u>+0.6</u>       |            |            |            |            |            |            |            |
| Corrected Temp (°C)           | <u>6.1</u>        |            |            |            |            |            |            |            |
| Temp from: Type of bottle     | <u>cont. tube</u> |            |            |            |            |            |            |            |
| Within 0-6°C?                 | Y <u>N</u>        | Y <u>N</u> | Y <u>N</u> | Y <u>N</u> | Y <u>N</u> | Y <u>N</u> | Y <u>N</u> | Y <u>N</u> |
| If <0°C, were samples frozen? | Y <u>N</u>        | Y <u>N</u> | Y <u>N</u> | Y <u>N</u> | Y <u>N</u> | Y <u>N</u> | Y <u>N</u> | Y <u>N</u> |

If out of Temperature, note packing/ice condition: \_\_\_\_\_ Ice melted Poorly Packed (described below) Same Day Rule  
& Client Approval to Run Samples: \_\_\_\_\_ Standing Approval Client aware at drop-off Client notified by: \_\_\_\_\_

All samples held in storage location: R-002 by Q on 10/13/17 at 1520  
5035 samples placed in storage location: \_\_\_\_\_ by \_\_\_\_\_ on \_\_\_\_\_ at \_\_\_\_\_

Cooler Breakdown: Date: 10/16/17 Time: 1200 by: Q

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO  
10. Did all bottle labels and tags agree with custody papers? YES NO  
11. Were correct containers used for the tests indicated? YES NO  
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO  
13. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

| pH                    | Lot of test paper | Reagent                                       | Preserved? | Lot Received                                                                                   | Exp         | Sample ID | Vol. Added | Lot Added | Final pH |
|-----------------------|-------------------|-----------------------------------------------|------------|------------------------------------------------------------------------------------------------|-------------|-----------|------------|-----------|----------|
| ≥12                   |                   | NaOH                                          | Yes No     |                                                                                                |             |           |            |           |          |
| ≥2                    | <u>213916</u>     | HNO <sub>3</sub>                              | <u>✓</u>   | <u>BDB26159E</u>                                                                               | <u>9/18</u> |           |            |           |          |
| ≥2                    |                   | H <sub>2</sub> SO <sub>4</sub>                | <u>✓</u>   |                                                                                                |             |           |            |           |          |
| <4                    |                   | NaHSO <sub>4</sub>                            |            |                                                                                                |             |           |            |           |          |
| Residual Chlorine (-) |                   | For CN Phenol and 522                         |            | If +, contact PM to add Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (CN), ascorbic (phenol). |             |           |            |           |          |
|                       |                   | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> | - -        |                                                                                                |             |           |            |           |          |
|                       |                   | ZnAcetate                                     | - -        |                                                                                                |             |           |            |           |          |
|                       |                   | HCl                                           | ** **      | <u>4115022</u>                                                                                 |             |           |            |           |          |

\*\*Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 073117-2440, 0710117-1MBC  
Explain all Discrepancies/ Other Comments:

H<sub>2</sub>P<sub>2</sub> lot: 174351 Exp. 2/18

|       |        |
|-------|--------|
| CLRES | BULK   |
| DO    | FLDT   |
| HPROD | HGFB   |
| HTR   | LL3541 |
| PH    | SUB    |
| SO3   | MARRS  |
| ALS   | REV    |

Labels secondary reviewed by: Q  
PC Secondary Review: \_\_\_\_\_

\*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



## Miscellaneous Forms

**ALS Environmental—Rochester Laboratory**

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

[www.alsglobal.com](http://www.alsglobal.com)

## REPORT QUALIFIERS AND DEFINITIONS

|   |                                                                                                                                                                                                                                                                                                        |     |                                                                                                                                                                                                                      |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U | Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.                                                                                                                       | +   | Correlation coefficient for MSA is <0.995.                                                                                                                                                                           |
| J | Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors). | N   | Inorganics- Matrix spike recovery was outside laboratory limits.                                                                                                                                                     |
| B | Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.                                                                                                                                                                            | N   | Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.                                                                                                                     |
| E | Inorganics- Concentration is estimated due to the serial dilution was outside control limits.                                                                                                                                                                                                          | S   | Concentration has been determined using Method of Standard Additions (MSA).                                                                                                                                          |
| E | Organics- Concentration has exceeded the calibration range for that specific analysis.                                                                                                                                                                                                                 | W   | Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.                                                                                                   |
| D | Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.                                                                                            | P   | Concentration >40% (25% for CLP) difference between the two GC columns.                                                                                                                                              |
| * | Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.                                                                                                                  | C   | Confirmed by GC/MS                                                                                                                                                                                                   |
| H | Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.                                                                                                                                                                                                         | Q   | DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).                                                                                                                |
| # | Spike was diluted out.                                                                                                                                                                                                                                                                                 | X   | See Case Narrative for discussion.                                                                                                                                                                                   |
|   |                                                                                                                                                                                                                                                                                                        | MRL | Method Reporting Limit. Also known as:                                                                                                                                                                               |
|   |                                                                                                                                                                                                                                                                                                        | LOQ | Limit of Quantitation (LOQ)<br>The lowest concentration at which the method analyte may be reliably quantified under the method conditions.                                                                          |
|   |                                                                                                                                                                                                                                                                                                        | MDL | Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier). |
|   |                                                                                                                                                                                                                                                                                                        | LOD | Limit of Detection. A value at or above the MDL which has been verified to be detectable.                                                                                                                            |
|   |                                                                                                                                                                                                                                                                                                        | ND  | Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.                                                                                                                               |



### Rochester Lab ID # for State Certifications<sup>1</sup>

|                         |                       |                         |
|-------------------------|-----------------------|-------------------------|
| Connecticut ID # PH0556 | Maine ID #NY0032      | New Hampshire ID #      |
| Delaware Accredited     | Nebraska Accredited   | 294100 A/B              |
| DoD ELAP #65817         | New Jersey ID # NY004 | Pennsylvania ID# 68-786 |
| Florida ID # E87674     | New York ID # 10145   | Rhode Island ID # 158   |
| Illinois ID #200047     | North Carolina #676   | Virginia #460167        |

<sup>1</sup> Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads>

# ALS Laboratory Group

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## Acronyms

|            |                                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------------------------|
| ASTM       | American Society for Testing and Materials                                                                                               |
| A2LA       | American Association for Laboratory Accreditation                                                                                        |
| CARB       | California Air Resources Board                                                                                                           |
| CAS Number | Chemical Abstract Service registry Number                                                                                                |
| CFC        | Chlorofluorocarbon                                                                                                                       |
| CFU        | Colony-Forming Unit                                                                                                                      |
| DEC        | Department of Environmental Conservation                                                                                                 |
| DEQ        | Department of Environmental Quality                                                                                                      |
| DHS        | Department of Health Services                                                                                                            |
| DOE        | Department of Ecology                                                                                                                    |
| DOH        | Department of Health                                                                                                                     |
| EPA        | U. S. Environmental Protection Agency                                                                                                    |
| ELAP       | Environmental Laboratory Accreditation Program                                                                                           |
| GC         | Gas Chromatography                                                                                                                       |
| GC/MS      | Gas Chromatography/Mass Spectrometry                                                                                                     |
| LUFT       | Leaking Underground Fuel Tank                                                                                                            |
| M          | Modified                                                                                                                                 |
| MCL        | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL        | Method Detection Limit                                                                                                                   |
| MPN        | Most Probable Number                                                                                                                     |
| MRL        | Method Reporting Limit                                                                                                                   |
| NA         | Not Applicable                                                                                                                           |
| NC         | Not Calculated                                                                                                                           |
| NCASI      | National Council of the Paper Industry for Air and Stream Improvement                                                                    |
| ND         | Not Detected                                                                                                                             |
| NIOSH      | National Institute for Occupational Safety and Health                                                                                    |
| PQL        | Practical Quantitation Limit                                                                                                             |
| RCRA       | Resource Conservation and Recovery Act                                                                                                   |
| SIM        | Selected Ion Monitoring                                                                                                                  |
| TPH        | Total Petroleum Hydrocarbons                                                                                                             |
| tr         | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.                           |

ALS Group USA, Corp.  
dba ALS Environmental

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002

**Service Request:** R1709790

**Non-Certified Analytes**

**Certifying Agency:** New York Department of Health

| Method        | Matrix | Analyte                      |
|---------------|--------|------------------------------|
| Organic Acids | Water  | Acetic Acid                  |
| Organic Acids | Water  | Butanoic Acid (Butyric Acid) |
| Organic Acids | Water  | Lactic Acid                  |
| Organic Acids | Water  | Propionic Acid               |
| Organic Acids | Water  | Pyruvic Acid                 |

ALS Group USA, Corp.  
dba ALS Environmental

Analyst Summary report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002

**Service Request:** R1709790

**Sample Name:** MW202-101217-1550  
**Lab Code:** R1709790-001  
**Sample Matrix:** Water

**Date Collected:** 10/12/17  
**Date Received:** 10/13/17

| Analysis Method      | Extracted/Digested By | Analyzed By |
|----------------------|-----------------------|-------------|
| 6010C                | KMCLAEN               | NMANSEN     |
| 8260C                |                       | KRUEST      |
| 9034                 | KMENGS                | KMENGS      |
| 9056A                |                       | CWOODS      |
| Organic Acids        |                       | BALLGEIER   |
| RSK 175              |                       | AMOSSES     |
| SM 2320 B-1997(2011) |                       | CWOODS      |
| SM 5310 C-2000(2011) |                       | CWOODS      |

**Sample Name:** MW202-101217-1550 Dissolved  
**Lab Code:** R1709790-002  
**Sample Matrix:** Water

**Date Collected:** 10/12/17  
**Date Received:** 10/13/17

| Analysis Method | Extracted/Digested By | Analyzed By |
|-----------------|-----------------------|-------------|
| 6010C           | KMCLAEN               | NMANSEN     |

**Sample Name:** MW205-101217-1430  
**Lab Code:** R1709790-003  
**Sample Matrix:** Water

**Date Collected:** 10/12/17  
**Date Received:** 10/13/17

| Analysis Method      | Extracted/Digested By | Analyzed By |
|----------------------|-----------------------|-------------|
| 6010C                | KMCLAEN               | NMANSEN     |
| 8260C                |                       | KRUEST      |
| 9034                 | KMENGS                | KMENGS      |
| 9056A                |                       | CWOODS      |
| Organic Acids        |                       | BALLGEIER   |
| RSK 175              |                       | AMOSSES     |
| SM 2320 B-1997(2011) |                       | CWOODS      |

**ALS Group USA, Corp.**

dba ALS Environmental

## Analyst Summary report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002

**Service Request:** R1709790

**Sample Name:** MW205-101217-1430 Dissolved  
**Lab Code:** R1709790-004  
**Sample Matrix:** Water

**Date Collected:** 10/12/17**Date Received:** 10/13/17

**Analysis Method**  
6010C

**Extracted/Digested By**  
KMCLAEN

**Analyzed By**  
NMANSEN

**Sample Name:** OW302-101217-1350  
**Lab Code:** R1709790-005  
**Sample Matrix:** Water

**Date Collected:** 10/12/17**Date Received:** 10/13/17

**Analysis Method**  
8260C

**Extracted/Digested By**

**Analyzed By**  
KRUEST

**Sample Name:** MW3-101217-1200  
**Lab Code:** R1709790-006  
**Sample Matrix:** Water

**Date Collected:** 10/12/17**Date Received:** 10/13/17

**Analysis Method**  
6010C  
8260C  
9034  
9056A  
RSK 175

**Extracted/Digested By**  
KMCLAEN  
  
KMENGs

**Analyzed By**  
NMANSEN  
KRUEST  
KMENGs  
CWOODS  
AMOSEs

---

SM 2320 B-1997(2011)

CWOODS

**Sample Name:** MW3-101217-1200 Dissolved  
**Lab Code:** R1709790-007  
**Sample Matrix:** Water

**Date Collected:** 10/12/17**Date Received:** 10/13/17

**Analysis Method**  
6010C

**Extracted/Digested By**  
KMCLAEN

**Analyzed By**  
NMANSEN



**ALS Group USA, Corp.**  
**dba ALS Environmental**

Analyst Summary report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002

**Service Request:** R1709790

**Sample Name:** MW501-101217-1135  
**Lab Code:** R1709790-008  
**Sample Matrix:** Water

**Date Collected:** 10/12/17  
**Date Received:** 10/13/17

**Analysis Method**  
8260C

**Extracted/Digested By**

**Analyzed By**  
KRUEST

**Sample Name:** MW502-101217-1245  
**Lab Code:** R1709790-009  
**Sample Matrix:** Water

**Date Collected:** 10/12/17  
**Date Received:** 10/13/17

**Analysis Method**  
8260C

**Extracted/Digested By**

**Analyzed By**  
KRUEST

**Sample Name:** MW203-101317-1330  
**Lab Code:** R1709790-010  
**Sample Matrix:** Water

**Date Collected:** 10/13/17  
**Date Received:** 10/13/17

**Analysis Method**  
8260C

**Extracted/Digested By**

**Analyzed By**  
KRUEST

**Sample Name:** MW204-101317-1230  
**Lab Code:** R1709790-011  
**Sample Matrix:** Water

**Date Collected:** 10/13/17  
**Date Received:** 10/13/17

**Analysis Method**  
8260C

**Extracted/Digested By**

**Analyzed By**  
KRUEST

**Sample Name:** OW306-101317-1145  
**Lab Code:** R1709790-012  
**Sample Matrix:** Water

**Date Collected:** 10/13/17  
**Date Received:** 10/13/17

**Analysis Method**  
8260C

**Extracted/Digested By**

**Analyzed By**  
KRUEST

**ALS Group USA, Corp.**  
**dba ALS Environmental**

Analyst Summary report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002

**Service Request:** R1709790

**Sample Name:** Trip Blank  
**Lab Code:** R1709790-013  
**Sample Matrix:** Water

**Date Collected:** 10/12/17  
**Date Received:** 10/13/17

**Analysis Method**  
8260C

**Extracted/Digested By**

**Analyzed By**  
KRUEST

**Water/Liquid Matrix**

| Analytical Method             | Preparation Method |
|-------------------------------|--------------------|
| 200.7                         | 200.2              |
| 200.8                         | 200.2              |
| 6010C                         | 3005A/3010A        |
| 6020A                         | ILM05.3            |
| 9014 Cyanide Reactivity       | SW846 Ch7, 7.3.4.2 |
| 9034 Sulfide Reactivity       | SW846 Ch7, 7.3.4.2 |
| 9034 Sulfide Acid Soluble     | 9030B              |
| 9056A Bomb (Halogens)         | 5050A              |
| 9066 Manual Distillation      | 9065               |
| SM 4500-CN-E Residual Cyanide | SM 4500-CN-G       |
| SM 4500-CN-E WAD Cyanide      | SM 4500-CN-I       |

**Solid/Soil/Non-Aqueous Matrix**

| Analytical Method                                            | Preparation Method |
|--------------------------------------------------------------|--------------------|
| 6010C                                                        | 3050B              |
| 6020A                                                        | 3050B              |
| 6010C TCLP (1311) extract                                    | 3005A/3010A        |
| 6010 SPLP (1312) extract                                     | 3005A/3010A        |
| 7196A                                                        | 3060A              |
| 7199                                                         | 3060A              |
| 9056A Halogens/Halides                                       | 5050               |
| 300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions | DI extraction      |

For analytical methods not listed, the preparation method is the same as the analytical method reference.



## Sample Results

**ALS Environmental—Rochester Laboratory**

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[www.alsglobal.com](http://www.alsglobal.com)



## Volatile Organic Compounds by GC/MS

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**ALS Group USA, Corp.**  
dba ALS Environmental

Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 15:50  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW202-101217-1550  
**Lab Code:** R1709790-001

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 10/18/17 19:32 |   |
| Benzene                     | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 10/18/17 19:32 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 10/18/17 19:32 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| Chloroethane                | 7.2    | 5.0 | 1    | 10/18/17 19:32 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| 1,1-Dichloroethane          | 120    | 5.0 | 1    | 10/18/17 19:32 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| 1,1-Dichloroethene          | 110    | 5.0 | 1    | 10/18/17 19:32 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 10/18/17 19:32 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 10/18/17 19:32 |   |
| Styrene                     | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| Toluene                     | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 10/18/17 19:32 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 15:50  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW202-101217-1550  
**Lab Code:** R1709790-001

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 91    | 85 - 122       | 10/18/17 19:32 |   |
| Toluene-d8           | 95    | 87 - 121       | 10/18/17 19:32 |   |
| Dibromofluoromethane | 99    | 89 - 119       | 10/18/17 19:32 |   |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 14:30  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW205-101217-1430  
**Lab Code:** R1709790-003

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result        | MRL   | Dil. | Date Analyzed  | Q |
|-----------------------------|---------------|-------|------|----------------|---|
| Acetone                     | ND U          | 20000 | 2000 | 10/18/17 04:42 |   |
| Benzene                     | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| Bromodichloromethane        | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| Bromoform                   | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| Bromomethane                | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| 2-Butanone (MEK)            | ND U          | 20000 | 2000 | 10/18/17 04:42 |   |
| Carbon Disulfide            | ND U          | 20000 | 2000 | 10/18/17 04:42 |   |
| Carbon Tetrachloride        | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| Chlorobenzene               | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| Chloroethane                | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| Chloroform                  | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| Chloromethane               | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| Dibromochloromethane        | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| 1,1-Dichloroethane          | <b>170000</b> | 10000 | 2000 | 10/18/17 04:42 |   |
| 1,2-Dichloroethane          | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| 1,1-Dichloroethene          | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| cis-1,2-Dichloroethene      | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| trans-1,2-Dichloroethene    | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| 1,2-Dichloropropane         | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| cis-1,3-Dichloropropene     | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| trans-1,3-Dichloropropene   | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| Ethylbenzene                | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| 2-Hexanone                  | ND U          | 20000 | 2000 | 10/18/17 04:42 |   |
| Methylene Chloride          | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U          | 20000 | 2000 | 10/18/17 04:42 |   |
| Styrene                     | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| 1,1,2,2-Tetrachloroethane   | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| Tetrachloroethene           | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| Toluene                     | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| 1,1,1-Trichloroethane       | <b>40000</b>  | 10000 | 2000 | 10/18/17 04:42 |   |
| 1,1,2-Trichloroethane       | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| Trichloroethene             | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| Vinyl Chloride              | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| o-Xylene                    | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |
| m,p-Xylenes                 | ND U          | 10000 | 2000 | 10/18/17 04:42 |   |



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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 14:30  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW205-101217-1430  
**Lab Code:** R1709790-003

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 93    | 85 - 122       | 10/18/17 04:42 |   |
| Toluene-d8           | 98    | 87 - 121       | 10/18/17 04:42 |   |
| Dibromofluoromethane | 92    | 89 - 119       | 10/18/17 04:42 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 13:50  
**Date Received:** 10/13/17 15:00

**Sample Name:** OW302-101217-1350  
**Lab Code:** R1709790-005

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result  | MRL  | Dil. | Date Analyzed  | Q |
|-----------------------------|---------|------|------|----------------|---|
| Acetone                     | ND U    | 1000 | 100  | 10/18/17 20:37 |   |
| Benzene                     | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| Bromodichloromethane        | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| Bromoform                   | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| Bromomethane                | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| 2-Butanone (MEK)            | ND U    | 1000 | 100  | 10/18/17 20:37 |   |
| Carbon Disulfide            | ND U    | 1000 | 100  | 10/18/17 20:37 |   |
| Carbon Tetrachloride        | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| Chlorobenzene               | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| Chloroethane                | 21000 D | 1000 | 200  | 10/19/17 12:21 |   |
| Chloroform                  | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| Chloromethane               | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| Dibromochloromethane        | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| 1,1-Dichloroethane          | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| 1,2-Dichloroethane          | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| 1,1-Dichloroethene          | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| cis-1,2-Dichloroethene      | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| trans-1,2-Dichloroethene    | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| 1,2-Dichloropropane         | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| cis-1,3-Dichloropropene     | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| trans-1,3-Dichloropropene   | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| Ethylbenzene                | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| 2-Hexanone                  | ND U    | 1000 | 100  | 10/18/17 20:37 |   |
| Methylene Chloride          | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U    | 1000 | 100  | 10/18/17 20:37 |   |
| Styrene                     | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| 1,1,2,2-Tetrachloroethane   | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| Tetrachloroethene           | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| Toluene                     | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| 1,1,1-Trichloroethane       | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| 1,1,2-Trichloroethane       | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| Trichloroethene             | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| Vinyl Chloride              | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| o-Xylene                    | ND U    | 500  | 100  | 10/18/17 20:37 |   |
| m,p-Xylenes                 | ND U    | 500  | 100  | 10/18/17 20:37 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 13:50  
**Date Received:** 10/13/17 15:00

**Sample Name:** OW302-101217-1350  
**Lab Code:** R1709790-005

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 95    | 85 - 122       | 10/18/17 20:37 |   |
| Toluene-d8           | 100   | 87 - 121       | 10/18/17 20:37 |   |
| Dibromofluoromethane | 104   | 89 - 119       | 10/18/17 20:37 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 12:00  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW3-101217-1200  
**Lab Code:** R1709790-006

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result       | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------------|-----|------|----------------|---|
| Acetone                     | ND U         | 25  | 2.5  | 10/18/17 14:26 |   |
| Benzene                     | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| Bromodichloromethane        | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| Bromoform                   | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| Bromomethane                | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| 2-Butanone (MEK)            | ND U         | 25  | 2.5  | 10/18/17 14:26 |   |
| Carbon Disulfide            | ND U         | 25  | 2.5  | 10/18/17 14:26 |   |
| Carbon Tetrachloride        | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| Chlorobenzene               | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| Chloroethane                | <b>650 D</b> | 25  | 5    | 10/18/17 19:54 |   |
| Chloroform                  | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| Chloromethane               | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| Dibromochloromethane        | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| 1,1-Dichloroethane          | <b>83</b>    | 13  | 2.5  | 10/18/17 14:26 |   |
| 1,2-Dichloroethane          | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| 1,1-Dichloroethene          | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| cis-1,2-Dichloroethene      | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| trans-1,2-Dichloroethene    | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| 1,2-Dichloropropane         | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| cis-1,3-Dichloropropene     | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| trans-1,3-Dichloropropene   | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| Ethylbenzene                | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| 2-Hexanone                  | ND U         | 25  | 2.5  | 10/18/17 14:26 |   |
| Methylene Chloride          | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U         | 25  | 2.5  | 10/18/17 14:26 |   |
| Styrene                     | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| 1,1,2,2-Tetrachloroethane   | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| Tetrachloroethene           | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| Toluene                     | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| 1,1,1-Trichloroethane       | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| 1,1,2-Trichloroethane       | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| Trichloroethene             | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| Vinyl Chloride              | <b>36</b>    | 13  | 2.5  | 10/18/17 14:26 |   |
| o-Xylene                    | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |
| m,p-Xylenes                 | ND U         | 13  | 2.5  | 10/18/17 14:26 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 12:00  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW3-101217-1200  
**Lab Code:** R1709790-006

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 90    | 85 - 122       | 10/18/17 14:26 |   |
| Toluene-d8           | 97    | 87 - 121       | 10/18/17 14:26 |   |
| Dibromofluoromethane | 102   | 89 - 119       | 10/18/17 14:26 |   |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 11:35  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW501-101217-1135  
**Lab Code:** R1709790-008

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result     | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|------------|-----|------|----------------|---|
| Acetone                     | ND U       | 25  | 2.5  | 10/18/17 14:48 |   |
| Benzene                     | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| Bromodichloromethane        | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| Bromoform                   | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| Bromomethane                | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| 2-Butanone (MEK)            | ND U       | 25  | 2.5  | 10/18/17 14:48 |   |
| Carbon Disulfide            | ND U       | 25  | 2.5  | 10/18/17 14:48 |   |
| Carbon Tetrachloride        | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| Chlorobenzene               | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| Chloroethane                | <b>330</b> | 13  | 2.5  | 10/18/17 14:48 |   |
| Chloroform                  | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| Chloromethane               | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| Dibromochloromethane        | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| 1,1-Dichloroethane          | <b>57</b>  | 13  | 2.5  | 10/18/17 14:48 |   |
| 1,2-Dichloroethane          | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| 1,1-Dichloroethene          | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| cis-1,2-Dichloroethene      | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| trans-1,2-Dichloroethene    | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| 1,2-Dichloropropane         | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| cis-1,3-Dichloropropene     | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| trans-1,3-Dichloropropene   | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| Ethylbenzene                | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| 2-Hexanone                  | ND U       | 25  | 2.5  | 10/18/17 14:48 |   |
| Methylene Chloride          | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U       | 25  | 2.5  | 10/18/17 14:48 |   |
| Styrene                     | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| 1,1,2,2-Tetrachloroethane   | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| Tetrachloroethene           | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| Toluene                     | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| 1,1,1-Trichloroethane       | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| 1,1,2-Trichloroethane       | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| Trichloroethene             | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| Vinyl Chloride              | <b>68</b>  | 13  | 2.5  | 10/18/17 14:48 |   |
| o-Xylene                    | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |
| m,p-Xylenes                 | ND U       | 13  | 2.5  | 10/18/17 14:48 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 11:35  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW501-101217-1135  
**Lab Code:** R1709790-008

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 93    | 85 - 122       | 10/18/17 14:48 |   |
| Toluene-d8           | 99    | 87 - 121       | 10/18/17 14:48 |   |
| Dibromofluoromethane | 100   | 89 - 119       | 10/18/17 14:48 |   |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 12:45  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW502-101217-1245  
**Lab Code:** R1709790-009

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result        | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|---------------|-----|------|----------------|---|
| Acetone                     | ND U          | 100 | 10   | 10/18/17 15:09 |   |
| Benzene                     | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| Bromodichloromethane        | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| Bromoform                   | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| Bromomethane                | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| 2-Butanone (MEK)            | ND U          | 100 | 10   | 10/18/17 15:09 |   |
| Carbon Disulfide            | ND U          | 100 | 10   | 10/18/17 15:09 |   |
| Carbon Tetrachloride        | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| Chlorobenzene               | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| Chloroethane                | <b>2000 D</b> | 100 | 20   | 10/18/17 20:16 |   |
| Chloroform                  | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| Chloromethane               | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| Dibromochloromethane        | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| 1,1-Dichloroethane          | <b>100</b>    | 50  | 10   | 10/18/17 15:09 |   |
| 1,2-Dichloroethane          | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| 1,1-Dichloroethene          | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| cis-1,2-Dichloroethene      | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| trans-1,2-Dichloroethene    | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| 1,2-Dichloropropane         | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| cis-1,3-Dichloropropene     | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| trans-1,3-Dichloropropene   | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| Ethylbenzene                | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| 2-Hexanone                  | ND U          | 100 | 10   | 10/18/17 15:09 |   |
| Methylene Chloride          | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U          | 100 | 10   | 10/18/17 15:09 |   |
| Styrene                     | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| 1,1,2,2-Tetrachloroethane   | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| Tetrachloroethene           | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| Toluene                     | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| 1,1,1-Trichloroethane       | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| 1,1,2-Trichloroethane       | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| Trichloroethene             | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| Vinyl Chloride              | <b>230</b>    | 50  | 10   | 10/18/17 15:09 |   |
| o-Xylene                    | ND U          | 50  | 10   | 10/18/17 15:09 |   |
| m,p-Xylenes                 | ND U          | 50  | 10   | 10/18/17 15:09 |   |



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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 12:45  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW502-101217-1245  
**Lab Code:** R1709790-009

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 93    | 85 - 122       | 10/18/17 15:09 |   |
| Toluene-d8           | 98    | 87 - 121       | 10/18/17 15:09 |   |
| Dibromofluoromethane | 99    | 89 - 119       | 10/18/17 15:09 |   |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/13/17 13:30  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW203-101317-1330  
**Lab Code:** R1709790-010

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 10/18/17 02:09 |   |
| Benzene                     | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 10/18/17 02:09 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 10/18/17 02:09 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 10/18/17 02:09 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 10/18/17 02:09 |   |
| Styrene                     | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| Toluene                     | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 10/18/17 02:09 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/13/17 13:30  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW203-101317-1330  
**Lab Code:** R1709790-010

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 99    | 85 - 122       | 10/18/17 02:09 |   |
| Toluene-d8           | 99    | 87 - 121       | 10/18/17 02:09 |   |
| Dibromofluoromethane | 102   | 89 - 119       | 10/18/17 02:09 |   |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/13/17 12:30  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW204-101317-1230  
**Lab Code:** R1709790-011

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 10/18/17 02:31 |   |
| Benzene                     | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 10/18/17 02:31 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 10/18/17 02:31 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 10/18/17 02:31 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 10/18/17 02:31 |   |
| Styrene                     | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| Toluene                     | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 10/18/17 02:31 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/13/17 12:30  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW204-101317-1230  
**Lab Code:** R1709790-011

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 104   | 85 - 122       | 10/18/17 02:31 |   |
| Toluene-d8           | 108   | 87 - 121       | 10/18/17 02:31 |   |
| Dibromofluoromethane | 101   | 89 - 119       | 10/18/17 02:31 |   |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/13/17 11:45  
**Date Received:** 10/13/17 15:00

**Sample Name:** OW306-101317-1145  
**Lab Code:** R1709790-012

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 10/18/17 14:04 |   |
| Benzene                     | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 10/18/17 14:04 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 10/18/17 14:04 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 10/18/17 14:04 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 10/18/17 14:04 |   |
| Styrene                     | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| Toluene                     | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 10/18/17 14:04 |   |

ALS Group USA, Corp.  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/13/17 11:45  
**Date Received:** 10/13/17 15:00

**Sample Name:** OW306-101317-1145  
**Lab Code:** R1709790-012

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 88    | 85 - 122       | 10/18/17 14:04 |   |
| Toluene-d8           | 97    | 87 - 121       | 10/18/17 14:04 |   |
| Dibromofluoromethane | 99    | 89 - 119       | 10/18/17 14:04 |   |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17  
**Date Received:** 10/13/17 15:00

**Sample Name:** Trip Blank  
**Lab Code:** R1709790-013

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 10/18/17 13:42 |   |
| Benzene                     | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 10/18/17 13:42 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 10/18/17 13:42 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 10/18/17 13:42 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 10/18/17 13:42 |   |
| Styrene                     | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| Toluene                     | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 10/18/17 13:42 |   |



ALS Group USA, Corp.  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17  
**Date Received:** 10/13/17 15:00

**Sample Name:** Trip Blank  
**Lab Code:** R1709790-013

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 94    | 85 - 122       | 10/18/17 13:42 |   |
| Toluene-d8           | 98    | 87 - 121       | 10/18/17 13:42 |   |
| Dibromofluoromethane | 98    | 89 - 119       | 10/18/17 13:42 |   |



## Volatile Organic Compounds by GC

**ALS Environmental—Rochester Laboratory**

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 15:50  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW202-101217-1550  
**Lab Code:** R1709790-001

**Units:** ug/L  
**Basis:** NA

Dissolved Gases by GC/FID

**Analysis Method:** RSK 175

| Analyte Name | Result | MRL | Dil. | Date Analyzed  | Q |
|--------------|--------|-----|------|----------------|---|
| Ethane       | ND U   | 1.0 | 1    | 10/20/17 10:42 |   |
| Ethylene     | ND U   | 1.0 | 1    | 10/20/17 10:42 |   |
| Methane      | 9.3    | 1.1 | 1    | 10/20/17 10:42 |   |
| Propane      | ND U   | 1.0 | 1    | 10/20/17 10:42 |   |

ALS Group USA, Corp.  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 14:30  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW205-101217-1430  
**Lab Code:** R1709790-003

**Units:** ug/L  
**Basis:** NA

Dissolved Gases by GC/FID

**Analysis Method:** RSK 175

| Analyte Name | Result | MRL | Dil. | Date Analyzed  | Q |
|--------------|--------|-----|------|----------------|---|
| Ethane       | ND U   | 100 | 100  | 10/20/17 10:54 |   |
| Ethylene     | ND U   | 100 | 100  | 10/20/17 10:54 |   |
| Methane      | 4600   | 110 | 100  | 10/20/17 10:54 |   |
| Propane      | ND U   | 100 | 100  | 10/20/17 10:54 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 12:00  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW3-101217-1200  
**Lab Code:** R1709790-006

**Units:** ug/L  
**Basis:** NA

Dissolved Gases by GC/FID

**Analysis Method:** RSK 175

| Analyte Name | Result | MRL | Dil. | Date Analyzed  | Q |
|--------------|--------|-----|------|----------------|---|
| Ethane       | ND U   | 52  | 50   | 10/20/17 11:59 |   |
| Ethylene     | 54     | 50  | 50   | 10/20/17 11:59 |   |
| Methane      | 2100   | 53  | 50   | 10/20/17 11:59 |   |
| Propane      | ND U   | 51  | 50   | 10/20/17 11:59 |   |



## Semivolatile Organic Compounds by GC

**ALS Environmental—Rochester Laboratory**

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 15:50  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW202-101217-1550  
**Lab Code:** R1709790-001

**Units:** mg/L  
**Basis:** NA

**Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC) 28 Day Hold Time**

**Analysis Method:** Organic Acids

| Analyte Name                 | Result | MRL  | Dil. | Date Analyzed  | Q |
|------------------------------|--------|------|------|----------------|---|
| Pyruvic Acid                 | ND U   | 0.50 | 1    | 10/19/17 15:42 |   |
| Acetic Acid                  | ND U   | 1.0  | 1    | 10/19/17 15:42 |   |
| Butanoic Acid (Butyric Acid) | ND U   | 2.0  | 1    | 10/19/17 15:42 |   |
| Lactic Acid                  | ND U   | 1.0  | 1    | 10/19/17 15:42 |   |
| Propionic Acid               | ND U   | 1.0  | 1    | 10/19/17 15:42 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17 14:30  
**Date Received:** 10/13/17 15:00

**Sample Name:** MW205-101217-1430  
**Lab Code:** R1709790-003

**Units:** mg/L  
**Basis:** NA

**Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC) 28 Day Hold Time**

**Analysis Method:** Organic Acids

| Analyte Name                 | Result | MRL | Dil. | Date Analyzed  | Q |
|------------------------------|--------|-----|------|----------------|---|
| Pyruvic Acid                 | ND U   | 25  | 50   | 10/19/17 02:47 |   |
| Acetic Acid                  | 1300   | 50  | 50   | 10/19/17 02:47 |   |
| Butanoic Acid (Butyric Acid) | 3300   | 100 | 50   | 10/19/17 02:47 |   |
| Lactic Acid                  | ND U   | 50  | 50   | 10/19/17 02:47 |   |
| Propionic Acid               | 790    | 50  | 50   | 10/19/17 02:47 |   |





## Metals

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water  
**Sample Name:** MW202-101217-1550  
**Lab Code:** R1709790-001

**Service Request:** R1709790  
**Date Collected:** 10/12/17 15:50  
**Date Received:** 10/13/17 15:00  
**Basis:** NA

Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|--------------|-----------------|--------|-------|-----|------|----------------|----------------|---|
| Iron, Total  | 6010C           | ND U   | ug/L  | 100 | 1    | 10/20/17 19:05 | 10/18/17       |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water  
**Sample Name:** MW202-101217-1550 Dissolved  
**Lab Code:** R1709790-002

**Service Request:** R1709790  
**Date Collected:** 10/12/17 15:50  
**Date Received:** 10/13/17 15:00  
**Basis:** NA

Inorganic Parameters

| Analyte Name    | Analysis Method | Result | Units | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|-----------------|-----------------|--------|-------|-----|------|----------------|----------------|---|
| Iron, Dissolved | 6010C           | ND U   | ug/L  | 100 | 1    | 10/20/17 19:15 | 10/18/17       |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water  
**Sample Name:** MW205-101217-1430  
**Lab Code:** R1709790-003

**Service Request:** R1709790  
**Date Collected:** 10/12/17 14:30  
**Date Received:** 10/13/17 15:00  
**Basis:** NA

Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL  | Dil. | Date Analyzed  | Date Extracted | Q |
|--------------|-----------------|--------|-------|------|------|----------------|----------------|---|
| Iron, Total  | 6010C           | 110000 | ug/L  | 1000 | 10   | 10/20/17 19:18 | 10/18/17       |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water  
**Sample Name:** MW205-101217-1430 Dissolved  
**Lab Code:** R1709790-004

**Service Request:** R1709790  
**Date Collected:** 10/12/17 14:30  
**Date Received:** 10/13/17 15:00  
**Basis:** NA

Inorganic Parameters

| Analyte Name    | Analysis Method | Result | Units | MRL  | Dil. | Date Analyzed  | Date Extracted | Q |
|-----------------|-----------------|--------|-------|------|------|----------------|----------------|---|
| Iron, Dissolved | 6010C           | 110000 | ug/L  | 1000 | 10   | 10/20/17 19:21 | 10/18/17       |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** MW3-101217-1200  
**Lab Code:** R1709790-006

**Service Request:** R1709790  
**Date Collected:** 10/12/17 12:00  
**Date Received:** 10/13/17 15:00  
  
**Basis:** NA

Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|--------------|-----------------|--------|-------|-----|------|----------------|----------------|---|
| Iron, Total  | 6010C           | 22100  | ug/L  | 100 | 1    | 10/20/17 19:25 | 10/18/17       |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water  
**Sample Name:** MW3-101217-1200 Dissolved  
**Lab Code:** R1709790-007

**Service Request:** R1709790  
**Date Collected:** 10/12/17 12:00  
**Date Received:** 10/13/17 15:00  
**Basis:** NA

Inorganic Parameters

| Analyte Name    | Analysis Method | Result | Units | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|-----------------|-----------------|--------|-------|-----|------|----------------|----------------|---|
| Iron, Dissolved | 6010C           | ND U   | ug/L  | 100 | 1    | 10/20/17 19:28 | 10/18/17       |   |



## General Chemistry

**ALS Environmental—Rochester Laboratory**

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water  
**Sample Name:** MW202-101217-1550  
**Lab Code:** R1709790-001

**Service Request:** R1709790  
**Date Collected:** 10/12/17 15:50  
**Date Received:** 10/13/17 15:00

**Basis:** NA

Inorganic Parameters

| Analyte Name                | Analysis Method      | Result | Units | MRL | Dil. | Date Analyzed  | Date<br>Extracted | Q |
|-----------------------------|----------------------|--------|-------|-----|------|----------------|-------------------|---|
| Alkalinity, Total as CaCO3  | SM 2320 B-1997(2011) | 134    | mg/L  | 2.0 | 1    | 10/16/17 18:55 | NA                |   |
| Carbon, Total Organic (TOC) | SM 5310 C-2000(2011) | ND U   | mg/L  | 1.0 | 1    | 10/19/17 04:29 | NA                |   |
| Chloride                    | 9056A                | 1760   | mg/L  | 40  | 200  | 10/14/17 03:07 | NA                |   |
| Nitrate as Nitrogen         | 9056A                | ND U   | mg/L  | 1.0 | 10   | 10/13/17 17:13 | NA                |   |
| Nitrite as Nitrogen         | 9056A                | ND U   | mg/L  | 1.0 | 10   | 10/13/17 17:13 | NA                |   |
| Sulfate                     | 9056A                | 429    | mg/L  | 20  | 100  | 10/14/17 02:55 | NA                |   |
| Sulfide, Acid-Soluble       | 9034                 | ND U   | mg/L  | 1.0 | 1    | 10/16/17 11:12 | 10/17/17          |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water  
**Sample Name:** MW205-101217-1430  
**Lab Code:** R1709790-003

**Service Request:** R1709790  
**Date Collected:** 10/12/17 14:30  
**Date Received:** 10/13/17 15:00

**Basis:** NA

Inorganic Parameters

| Analyte Name               | Analysis Method      | Result | Units | MRL | Dil. | Date Analyzed  | Date<br>Extracted | Q |
|----------------------------|----------------------|--------|-------|-----|------|----------------|-------------------|---|
| Alkalinity, Total as CaCO3 | SM 2320 B-1997(2011) | 3340   | mg/L  | 2.0 | 1    | 10/16/17 19:16 | NA                |   |
| Chloride                   | 9056A                | 846    | mg/L  | 60  | 300  | 10/16/17 21:00 | NA                |   |
| Nitrate as Nitrogen        | 9056A                | ND U   | mg/L  | 1.0 | 10   | 10/13/17 17:25 | NA                |   |
| Nitrite as Nitrogen        | 9056A                | ND U   | mg/L  | 10  | 100  | 10/14/17 03:19 | NA                |   |
| Sulfate                    | 9056A                | ND U   | mg/L  | 2.0 | 10   | 10/13/17 17:25 | NA                |   |
| Sulfide, Acid-Soluble      | 9034                 | 1.8    | mg/L  | 1.0 | 1    | 10/16/17 11:12 | 10/17/17          |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** MW3-101217-1200  
**Lab Code:** R1709790-006

**Service Request:** R1709790  
**Date Collected:** 10/12/17 12:00  
**Date Received:** 10/13/17 15:00

**Basis:** NA

Inorganic Parameters

| Analyte Name               | Analysis Method      | Result | Units | MRL | Dil. | Date Analyzed  | Date<br>Extracted | Q |
|----------------------------|----------------------|--------|-------|-----|------|----------------|-------------------|---|
| Alkalinity, Total as CaCO3 | SM 2320 B-1997(2011) | 228    | mg/L  | 2.0 | 1    | 10/16/17 19:21 | NA                |   |
| Chloride                   | 9056A                | 397    | mg/L  | 20  | 100  | 10/14/17 03:31 | NA                |   |
| Nitrate as Nitrogen        | 9056A                | ND U   | mg/L  | 1.0 | 10   | 10/13/17 17:37 | NA                |   |
| Nitrite as Nitrogen        | 9056A                | ND U   | mg/L  | 1.0 | 10   | 10/13/17 17:37 | NA                |   |
| Sulfate                    | 9056A                | 23.0   | mg/L  | 2.0 | 10   | 10/13/17 17:37 | NA                |   |
| Sulfide, Acid-Soluble      | 9034                 | ND U   | mg/L  | 1.0 | 1    | 10/16/17 11:12 | 10/17/17          |   |



## QC Summary Forms

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## Volatile Organic Compounds by GC/MS

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790

**SURROGATE RECOVERY SUMMARY**  
**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Extraction Method:** EPA 5030C

| Sample Name        | Lab Code     | 4-Bromofluorobenzene | Dibromofluoromethane | Toluene-d8 |
|--------------------|--------------|----------------------|----------------------|------------|
|                    |              | 85 - 122             | 89 - 119             | 87 - 121   |
| MW202-101217-1550  | R1709790-001 | 91                   | 99                   | 95         |
| MW205-101217-1430  | R1709790-003 | 93                   | 92                   | 98         |
| OW302-101217-1350  | R1709790-005 | 95                   | 104                  | 100        |
| MW3-101217-1200    | R1709790-006 | 90                   | 102                  | 97         |
| MW501-101217-1135  | R1709790-008 | 93                   | 100                  | 99         |
| MW502-101217-1245  | R1709790-009 | 93                   | 99                   | 98         |
| MW203-101317-1330  | R1709790-010 | 99                   | 102                  | 99         |
| MW204-101317-1230  | R1709790-011 | 104                  | 101                  | 108        |
| OW306-101317-1145  | R1709790-012 | 88                   | 99                   | 97         |
| Trip Blank         | R1709790-013 | 94                   | 98                   | 98         |
| Lab Control Sample | RQ1710675-03 | 94                   | 102                  | 99         |
| Method Blank       | RQ1710675-04 | 100                  | 102                  | 98         |
| Lab Control Sample | RQ1710740-03 | 95                   | 103                  | 100        |
| Method Blank       | RQ1710740-04 | 94                   | 100                  | 100        |
| Lab Control Sample | RQ1710796-03 | 96                   | 103                  | 98         |
| Method Blank       | RQ1710796-04 | 95                   | 105                  | 102        |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1710675-04

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 10/17/17 22:52 |   |
| Benzene                     | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 10/17/17 22:52 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 10/17/17 22:52 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 10/17/17 22:52 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 10/17/17 22:52 |   |
| Styrene                     | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| Toluene                     | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 10/17/17 22:52 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1710675-04

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 100   | 85 - 122       | 10/17/17 22:52 |   |
| Toluene-d8           | 98    | 87 - 121       | 10/17/17 22:52 |   |
| Dibromofluoromethane | 102   | 89 - 119       | 10/17/17 22:52 |   |



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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1710740-04

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 10/18/17 12:54 |   |
| Benzene                     | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 10/18/17 12:54 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 10/18/17 12:54 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 10/18/17 12:54 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 10/18/17 12:54 |   |
| Styrene                     | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| Toluene                     | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 10/18/17 12:54 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1710740-04

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 94    | 85 - 122       | 10/18/17 12:54 |   |
| Toluene-d8           | 100   | 87 - 121       | 10/18/17 12:54 |   |
| Dibromofluoromethane | 100   | 89 - 119       | 10/18/17 12:54 |   |

**ALS Group USA, Corp.**  
dba ALS Environmental

Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1710796-04

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 10/19/17 11:52 |   |
| Benzene                     | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 10/19/17 11:52 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 10/19/17 11:52 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 10/19/17 11:52 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 10/19/17 11:52 |   |
| Styrene                     | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| Toluene                     | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 10/19/17 11:52 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1710796-04

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 95    | 85 - 122       | 10/19/17 11:52 |   |
| Toluene-d8           | 102   | 87 - 121       | 10/19/17 11:52 |   |
| Dibromofluoromethane | 105   | 89 - 119       | 10/19/17 11:52 |   |

**ALS Group USA, Corp.**  
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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Analyzed:** 10/17/17

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/L  
**Basis:**NA

**Lab Control Sample**  
RQ1710675-03

| Analyte Name                | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|-----------------------------|-------------------|--------|--------------|-------|--------------|
| Acetone                     | 8260C             | 16.3   | 20.0         | 81    | 40-161       |
| Benzene                     | 8260C             | 21.4   | 20.0         | 107   | 76-118       |
| Bromodichloromethane        | 8260C             | 21.9   | 20.0         | 110   | 78-126       |
| Bromoform                   | 8260C             | 22.3   | 20.0         | 111   | 71-136       |
| Bromomethane                | 8260C             | 18.8   | 20.0         | 94    | 42-166       |
| 2-Butanone (MEK)            | 8260C             | 20.9   | 20.0         | 105   | 61-137       |
| Carbon Disulfide            | 8260C             | 14.1   | 20.0         | 70    | 65-127       |
| Carbon Tetrachloride        | 8260C             | 20.3   | 20.0         | 102   | 68-125       |
| Chlorobenzene               | 8260C             | 22.7   | 20.0         | 113   | 80-121       |
| Chloroethane                | 8260C             | 16.8   | 20.0         | 84    | 70-127       |
| Chloroform                  | 8260C             | 21.3   | 20.0         | 106   | 76-120       |
| Chloromethane               | 8260C             | 26.4   | 20.0         | 132   | 69-145       |
| Dibromochloromethane        | 8260C             | 21.2   | 20.0         | 106   | 77-128       |
| 1,1-Dichloroethane          | 8260C             | 18.3   | 20.0         | 92    | 78-117       |
| 1,2-Dichloroethane          | 8260C             | 20.3   | 20.0         | 102   | 71-127       |
| 1,1-Dichloroethene          | 8260C             | 17.0   | 20.0         | 85    | 74-135       |
| cis-1,2-Dichloroethene      | 8260C             | 23.2   | 20.0         | 116   | 80-121       |
| trans-1,2-Dichloroethene    | 8260C             | 17.5   | 20.0         | 88    | 80-120       |
| 1,2-Dichloropropane         | 8260C             | 21.9   | 20.0         | 109   | 80-119       |
| cis-1,3-Dichloropropene     | 8260C             | 20.6   | 20.0         | 103   | 74-126       |
| trans-1,3-Dichloropropene   | 8260C             | 20.0   | 20.0         | 100   | 67-135       |
| Ethylbenzene                | 8260C             | 23.6   | 20.0         | 118   | 76-120       |
| 2-Hexanone                  | 8260C             | 19.8   | 20.0         | 99    | 63-124       |
| Methylene Chloride          | 8260C             | 17.7   | 20.0         | 88    | 73-122       |
| 4-Methyl-2-pentanone (MIBK) | 8260C             | 20.0   | 20.0         | 100   | 66-124       |
| Styrene                     | 8260C             | 23.6   | 20.0         | 118   | 80-124       |
| 1,1,2,2-Tetrachloroethane   | 8260C             | 22.7   | 20.0         | 113   | 78-122       |
| Tetrachloroethene           | 8260C             | 22.0   | 20.0         | 110   | 78-124       |
| Toluene                     | 8260C             | 21.8   | 20.0         | 109   | 77-120       |
| 1,1,1-Trichloroethane       | 8260C             | 21.6   | 20.0         | 108   | 74-120       |
| 1,1,2-Trichloroethane       | 8260C             | 22.0   | 20.0         | 110   | 82-118       |
| Trichloroethene             | 8260C             | 21.6   | 20.0         | 108   | 78-123       |
| Vinyl Chloride              | 8260C             | 28.5   | 20.0         | 143 * | 69-133       |

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Analyzed:** 10/17/17

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/L**Basis:**NA**Lab Control Sample**

RQ1710675-03

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|--------------|-------------------|--------|--------------|-------|--------------|
| o-Xylene     | 8260C             | 22.7   | 20.0         | 114   | 80-120       |
| m,p-Xylenes  | 8260C             | 47.2   | 40.0         | 118   | 78-123       |

**ALS Group USA, Corp.**  
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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Analyzed:** 10/18/17

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/L  
**Basis:**NA

**Lab Control Sample**  
RQ1710740-03

| Analyte Name                | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|-----------------------------|-------------------|--------|--------------|-------|--------------|
| Acetone                     | 8260C             | 16.8   | 20.0         | 84    | 40-161       |
| Benzene                     | 8260C             | 19.0   | 20.0         | 95    | 76-118       |
| Bromodichloromethane        | 8260C             | 18.9   | 20.0         | 94    | 78-126       |
| Bromoform                   | 8260C             | 20.2   | 20.0         | 101   | 71-136       |
| Bromomethane                | 8260C             | 19.9   | 20.0         | 99    | 42-166       |
| 2-Butanone (MEK)            | 8260C             | 18.0   | 20.0         | 90    | 61-137       |
| Carbon Disulfide            | 8260C             | 18.5   | 20.0         | 93    | 65-127       |
| Carbon Tetrachloride        | 8260C             | 17.8   | 20.0         | 89    | 68-125       |
| Chlorobenzene               | 8260C             | 20.3   | 20.0         | 102   | 80-121       |
| Chloroethane                | 8260C             | 19.3   | 20.0         | 97    | 70-127       |
| Chloroform                  | 8260C             | 18.5   | 20.0         | 92    | 76-120       |
| Chloromethane               | 8260C             | 22.4   | 20.0         | 112   | 69-145       |
| Dibromochloromethane        | 8260C             | 18.2   | 20.0         | 91    | 77-128       |
| 1,1-Dichloroethane          | 8260C             | 19.8   | 20.0         | 99    | 78-117       |
| 1,2-Dichloroethane          | 8260C             | 18.0   | 20.0         | 90    | 71-127       |
| 1,1-Dichloroethene          | 8260C             | 17.8   | 20.0         | 89    | 74-135       |
| cis-1,2-Dichloroethene      | 8260C             | 19.0   | 20.0         | 95    | 80-121       |
| trans-1,2-Dichloroethene    | 8260C             | 18.4   | 20.0         | 92    | 80-120       |
| 1,2-Dichloropropane         | 8260C             | 18.8   | 20.0         | 94    | 80-119       |
| cis-1,3-Dichloropropene     | 8260C             | 18.8   | 20.0         | 94    | 74-126       |
| trans-1,3-Dichloropropene   | 8260C             | 18.2   | 20.0         | 91    | 67-135       |
| Ethylbenzene                | 8260C             | 21.3   | 20.0         | 107   | 76-120       |
| 2-Hexanone                  | 8260C             | 17.5   | 20.0         | 87    | 63-124       |
| Methylene Chloride          | 8260C             | 19.5   | 20.0         | 98    | 73-122       |
| 4-Methyl-2-pentanone (MIBK) | 8260C             | 17.7   | 20.0         | 89    | 66-124       |
| Styrene                     | 8260C             | 20.6   | 20.0         | 103   | 80-124       |
| 1,1,2,2-Tetrachloroethane   | 8260C             | 19.6   | 20.0         | 98    | 78-122       |
| Tetrachloroethene           | 8260C             | 20.6   | 20.0         | 103   | 78-124       |
| Toluene                     | 8260C             | 19.6   | 20.0         | 98    | 77-120       |
| 1,1,1-Trichloroethane       | 8260C             | 19.1   | 20.0         | 96    | 74-120       |
| 1,1,2-Trichloroethane       | 8260C             | 19.6   | 20.0         | 98    | 82-118       |
| Trichloroethene             | 8260C             | 20.4   | 20.0         | 102   | 78-123       |
| Vinyl Chloride              | 8260C             | 23.5   | 20.0         | 117   | 69-133       |

**ALS Group USA, Corp.**

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790**Date Analyzed:** 10/18/17

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/L**Basis:**NA**Lab Control Sample**

RQ1710740-03

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|--------------|-------------------|--------|--------------|-------|--------------|
| o-Xylene     | 8260C             | 19.6   | 20.0         | 98    | 80-120       |
| m,p-Xylenes  | 8260C             | 42.3   | 40.0         | 106   | 78-123       |



**ALS Group USA, Corp.**  
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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Analyzed:** 10/19/17

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/L  
**Basis:**NA

**Lab Control Sample**  
RQ1710796-03

| Analyte Name                | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|-----------------------------|-------------------|--------|--------------|-------|--------------|
| Acetone                     | 8260C             | 16.5   | 20.0         | 82    | 40-161       |
| Benzene                     | 8260C             | 16.8   | 20.0         | 84    | 76-118       |
| Bromodichloromethane        | 8260C             | 18.5   | 20.0         | 92    | 78-126       |
| Bromoform                   | 8260C             | 18.7   | 20.0         | 94    | 71-136       |
| Bromomethane                | 8260C             | 18.6   | 20.0         | 93    | 42-166       |
| 2-Butanone (MEK)            | 8260C             | 16.8   | 20.0         | 84    | 61-137       |
| Carbon Disulfide            | 8260C             | 16.6   | 20.0         | 83    | 65-127       |
| Carbon Tetrachloride        | 8260C             | 16.7   | 20.0         | 84    | 68-125       |
| Chlorobenzene               | 8260C             | 18.6   | 20.0         | 93    | 80-121       |
| Chloroethane                | 8260C             | 17.4   | 20.0         | 87    | 70-127       |
| Chloroform                  | 8260C             | 17.4   | 20.0         | 87    | 76-120       |
| Chloromethane               | 8260C             | 21.3   | 20.0         | 107   | 69-145       |
| Dibromochloromethane        | 8260C             | 18.9   | 20.0         | 94    | 77-128       |
| 1,1-Dichloroethane          | 8260C             | 18.2   | 20.0         | 91    | 78-117       |
| 1,2-Dichloroethane          | 8260C             | 17.2   | 20.0         | 86    | 71-127       |
| 1,1-Dichloroethene          | 8260C             | 17.1   | 20.0         | 85    | 74-135       |
| cis-1,2-Dichloroethene      | 8260C             | 17.7   | 20.0         | 89    | 80-121       |
| trans-1,2-Dichloroethene    | 8260C             | 18.0   | 20.0         | 90    | 80-120       |
| 1,2-Dichloropropane         | 8260C             | 19.1   | 20.0         | 95    | 80-119       |
| cis-1,3-Dichloropropene     | 8260C             | 17.5   | 20.0         | 87    | 74-126       |
| trans-1,3-Dichloropropene   | 8260C             | 17.3   | 20.0         | 87    | 67-135       |
| Ethylbenzene                | 8260C             | 18.8   | 20.0         | 94    | 76-120       |
| 2-Hexanone                  | 8260C             | 16.0   | 20.0         | 80    | 63-124       |
| Methylene Chloride          | 8260C             | 18.4   | 20.0         | 92    | 73-122       |
| 4-Methyl-2-pentanone (MIBK) | 8260C             | 15.4   | 20.0         | 77    | 66-124       |
| Styrene                     | 8260C             | 19.1   | 20.0         | 96    | 80-124       |
| 1,1,2,2-Tetrachloroethane   | 8260C             | 17.6   | 20.0         | 88    | 78-122       |
| Tetrachloroethene           | 8260C             | 19.4   | 20.0         | 97    | 78-124       |
| Toluene                     | 8260C             | 17.7   | 20.0         | 88    | 77-120       |
| 1,1,1-Trichloroethane       | 8260C             | 17.9   | 20.0         | 90    | 74-120       |
| 1,1,2-Trichloroethane       | 8260C             | 18.6   | 20.0         | 93    | 82-118       |
| Trichloroethene             | 8260C             | 18.3   | 20.0         | 91    | 78-123       |
| Vinyl Chloride              | 8260C             | 22.6   | 20.0         | 113   | 69-133       |

**ALS Group USA, Corp.**

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Analyzed:** 10/19/17

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/L**Basis:**NA**Lab Control Sample**

RQ1710796-03

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|--------------|-------------------|--------|--------------|-------|--------------|
| o-Xylene     | 8260C             | 18.6   | 20.0         | 93    | 80-120       |
| m,p-Xylenes  | 8260C             | 36.9   | 40.0         | 92    | 78-123       |



## Volatile Organic Compounds by GC

**ALS Environmental—Rochester Laboratory**

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ALS Group USA, Corp.  
dba ALS Environmental

Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1710836-01

**Units:** ug/L  
**Basis:** NA

Dissolved Gases by GC/FID

**Analysis Method:** RSK 175

| Analyte Name | Result | MRL | Dil. | Date Analyzed  | Q |
|--------------|--------|-----|------|----------------|---|
| Ethane       | ND U   | 1.0 | 1    | 10/20/17 09:10 |   |
| Ethylene     | ND U   | 1.0 | 1    | 10/20/17 09:10 |   |
| Methane      | ND U   | 1.1 | 1    | 10/20/17 09:10 |   |
| Propane      | ND U   | 1.0 | 1    | 10/20/17 09:10 |   |

ALS Group USA, Corp.  
dba ALS Environmental

QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Analyzed:** 10/20/17

**Duplicate Lab Control Sample Summary**  
**Dissolved Gases by GC/FID**

**Units:**ug/L  
**Basis:**NA

| Lab Control Sample |                   |        |              |       | Duplicate Lab Control Sample |              |       |              |     |           |
|--------------------|-------------------|--------|--------------|-------|------------------------------|--------------|-------|--------------|-----|-----------|
| RQ1710836-02       |                   |        |              |       | RQ1710836-03                 |              |       |              |     |           |
| Analyte Name       | Analytical Method | Result | Spike Amount | % Rec | Result                       | Spike Amount | % Rec | % Rec Limits | RPD | RPD Limit |
| Ethane             | RSK 175           | 27.5   | 26.0         | 106   | 25.0                         | 26.0         | 96    | 75-118       | 10  | 20        |
| Ethylene           | RSK 175           | 25.9   | 24.3         | 107   | 23.7                         | 24.3         | 98    | 73-129       | 9   | 20        |
| Methane            | RSK 175           | 27.3   | 26.2         | 104   | 25.0                         | 26.2         | 95    | 65-126       | 9   | 20        |
| Propane            | RSK 175           | 26.9   | 25.4         | 106   | 25.0                         | 25.4         | 98    | 72-118       | 7   | 20        |



## Semivolatile Organic Compounds by GC

**ALS Environmental—Rochester Laboratory**

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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**ALS Group USA, Corp.**  
dba ALS Environmental

QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17  
**Date Received:** 10/13/17  
**Date Analyzed:** 10/19/17

**Duplicate Matrix Spike Summary**

**Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC) 28 Day Hold Time**

**Sample Name:** MW202-101217-1550  
**Lab Code:** R1709790-001  
**Analysis Method:** Organic Acids

**Units:** mg/L  
**Basis:** NA

| Analyte Name                 | Sample Result | Matrix Spike<br>RQ1710826-05 |              |       | Duplicate Matrix Spike<br>RQ1710826-06 |              |       | % Rec Limits | RPD | RPD Limit |
|------------------------------|---------------|------------------------------|--------------|-------|----------------------------------------|--------------|-------|--------------|-----|-----------|
|                              |               | Result                       | Spike Amount | % Rec | Result                                 | Spike Amount | % Rec |              |     |           |
| Pyruvic Acid                 | ND U          | 1.78                         | 2.00         | 89    | 1.79                                   | 2.00         | 89    | 45-144       | <1  | 30        |
| Acetic Acid                  | ND U          | 19.3                         | 20.1         | 96    | 19.7                                   | 20.1         | 98    | 30-147       | 2   | 30        |
| Butanoic Acid (Butyric Acid) | ND U          | 19.8                         | 20.0         | 99    | 20.3                                   | 20.0         | 101   | 55-146       | 2   | 30        |
| Lactic Acid                  | ND U          | 18.0                         | 20.9         | 86    | 18.1                                   | 20.9         | 86    | 40-158       | <1  | 30        |
| Propionic Acid               | ND U          | 18.3                         | 20.5         | 89    | 18.5                                   | 20.5         | 90    | 57-135       | <1  | 30        |

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1710826-01

**Units:** mg/L  
**Basis:** NA

**Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC) 28 Day Hold Time**

**Analysis Method:** Organic Acids

| Analyte Name                 | Result | MRL  | Dil. | Date Analyzed  | Q |
|------------------------------|--------|------|------|----------------|---|
| Pyruvic Acid                 | ND U   | 0.50 | 1    | 10/19/17 13:08 |   |
| Acetic Acid                  | ND U   | 1.0  | 1    | 10/19/17 13:08 |   |
| Butanoic Acid (Butyric Acid) | ND U   | 2.0  | 1    | 10/19/17 13:08 |   |
| Lactic Acid                  | ND U   | 1.0  | 1    | 10/19/17 13:08 |   |
| Propionic Acid               | ND U   | 1.0  | 1    | 10/19/17 13:08 |   |



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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Analyzed:** 10/19/17

**Duplicate Lab Control Sample Summary**  
**Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC) 28 Day Hold Time**

**Units:**mg/L  
**Basis:**NA

| Lab Control Sample           |                   |        |              |       | Duplicate Lab Control Sample |              |       |              |     |           |
|------------------------------|-------------------|--------|--------------|-------|------------------------------|--------------|-------|--------------|-----|-----------|
| RQ1710826-02                 |                   |        |              |       | RQ1710826-03                 |              |       |              |     |           |
| Analyte Name                 | Analytical Method | Result | Spike Amount | % Rec | Result                       | Spike Amount | % Rec | % Rec Limits | RPD | RPD Limit |
| Pyruvic Acid                 | Organic Acids     | 1.85   | 2.00         | 92    | 1.87                         | 2.00         | 93    | 70-130       | 1   | 30        |
| Acetic Acid                  | Organic Acids     | 20.0   | 20.1         | 100   | 20.1                         | 20.1         | 100   | 70-130       | <1  | 30        |
| Butanoic Acid (Butyric Acid) | Organic Acids     | 19.9   | 20.0         | 99    | 20.1                         | 20.0         | 100   | 70-130       | <1  | 30        |
| Lactic Acid                  | Organic Acids     | 18.4   | 20.9         | 88    | 18.5                         | 20.9         | 88    | 70-130       | <1  | 30        |
| Propionic Acid               | Organic Acids     | 18.4   | 20.5         | 90    | 18.6                         | 20.5         | 91    | 70-130       | 1   | 30        |



## Metals

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** Method Blank  
**Lab Code:** R1709790-MB

**Service Request:** R1709790  
**Date Collected:** NA  
**Date Received:** NA  
  
**Basis:** NA

Inorganic Parameters

| Analyte Name    | Analysis Method | Result | Units | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|-----------------|-----------------|--------|-------|-----|------|----------------|----------------|---|
| Iron, Dissolved | 6010C           | ND U   | ug/L  | 100 | 1    | 10/20/17 17:54 | 10/18/17       |   |
| Iron, Total     | 6010C           | ND U   | ug/L  | 100 | 1    | 10/20/17 17:54 | 10/18/17       |   |

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dba ALS Environmental

QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Analyzed:** 10/20/17

**Lab Control Sample Summary**  
**Inorganic Parameters**

**Units:**ug/L  
**Basis:**NA

**Lab Control Sample**  
R1709790-LCS

| <b>Analyte Name</b> | <b>Analytical Method</b> | <b>Result</b> | <b>Spike Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> |
|---------------------|--------------------------|---------------|---------------------|--------------|---------------------|
| Iron, Dissolved     | 6010C                    | 1000          | 1000                | 100          | 80-120              |
| Iron, Total         | 6010C                    | 1000          | 1000                | 100          | 80-120              |



## General Chemistry

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water  
**Sample Name:** Method Blank  
**Lab Code:** R1709790-MB1

**Service Request:** R1709790  
**Date Collected:** NA  
**Date Received:** NA  
**Basis:** NA

Inorganic Parameters

| Analyte Name                | Analysis Method      | Result | Units | MRL  | Dil. | Date Analyzed  | Date<br>Extracted | Q |
|-----------------------------|----------------------|--------|-------|------|------|----------------|-------------------|---|
| Alkalinity, Total as CaCO3  | SM 2320 B-1997(2011) | ND U   | mg/L  | 2.0  | 1    | 10/16/17 18:07 | NA                |   |
| Carbon, Total Organic (TOC) | SM 5310 C-2000(2011) | ND U   | mg/L  | 1.0  | 1    | 10/18/17 19:47 | NA                |   |
| Chloride                    | 9056A                | ND U   | mg/L  | 0.20 | 1    | 10/14/17 00:09 | NA                |   |
| Nitrate as Nitrogen         | 9056A                | ND U   | mg/L  | 0.10 | 1    | 10/13/17 16:14 | NA                |   |
| Nitrite as Nitrogen         | 9056A                | ND U   | mg/L  | 0.10 | 1    | 10/13/17 16:14 | NA                |   |
| Sulfate                     | 9056A                | ND U   | mg/L  | 0.20 | 1    | 10/13/17 16:14 | NA                |   |
| Sulfide, Acid-Soluble       | 9034                 | ND U   | mg/L  | 1.0  | 1    | 10/16/17 11:12 | 10/17/17          |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water  
**Sample Name:** Method Blank  
**Lab Code:** R1709790-MB2

**Service Request:** R1709790  
**Date Collected:** NA  
**Date Received:** NA  
**Basis:** NA

Inorganic Parameters

| Analyte Name        | Analysis Method | Result | Units | MRL  | Dil. | Date Analyzed  | Q |
|---------------------|-----------------|--------|-------|------|------|----------------|---|
| Chloride            | 9056A           | ND U   | mg/L  | 0.20 | 1    | 10/16/17 19:13 |   |
| Nitrite as Nitrogen | 9056A           | ND U   | mg/L  | 0.10 | 1    | 10/14/17 00:09 |   |
| Sulfate             | 9056A           | ND U   | mg/L  | 0.20 | 1    | 10/14/17 00:09 |   |

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Collected:** 10/12/17  
**Date Received:** 10/13/17  
**Date Analyzed:** 10/16/17  
**Date Extracted:** 10/17/17

**Duplicate Matrix Spike Summary**  
**Sulfide, Acid-Soluble**

**Sample Name:** MW202-101217-1550  
**Lab Code:** R1709790-001  
**Analysis Method:** 9034  
**Prep Method:** EPA 9030B

**Units:** mg/L  
**Basis:** NA

| Analyte Name          | Sample Result | Result | Matrix Spike |       | Result | Duplicate Matrix Spike |       | % Rec Limits | RPD | RPD Limit |
|-----------------------|---------------|--------|--------------|-------|--------|------------------------|-------|--------------|-----|-----------|
|                       |               |        | Spike Amount | % Rec |        | Spike Amount           | % Rec |              |     |           |
| Sulfide, Acid-Soluble | ND U          | 6.1    | 8.5          | 71    | 5.7    | 8.5                    | 67    | 10-109       | 7   | 20        |

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.



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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Analyzed:** 10/13/17 - 10/18/17

**Lab Control Sample Summary**  
**General Chemistry Parameters**

**Units:**mg/L  
**Basis:**NA

**Lab Control Sample**  
R1709790-LCS1

| Analyte Name                | Analytical Method    | Result | Spike Amount | % Rec | % Rec Limits |
|-----------------------------|----------------------|--------|--------------|-------|--------------|
| Alkalinity, Total as CaCO3  | SM 2320 B-1997(2011) | 19.2   | 20.0         | 96    | 81-112       |
| Carbon, Total Organic (TOC) | SM 5310 C-2000(2011) | 10.3   | 10.0         | 103   | 81-118       |
| Chloride                    | 9056A                | 2.02   | 2.00         | 101   | 80-120       |
| Nitrate as Nitrogen         | 9056A                | 1.0    | 1.00         | 100   | 80-120       |
| Nitrite as Nitrogen         | 9056A                | 0.94   | 1.00         | 94    | 80-120       |
| Sulfate                     | 9056A                | 1.97   | 2.00         | 98    | 80-120       |
| Sulfide, Acid-Soluble       | 9034                 | 6.29   | 8.5          | 74    | 15-124       |

**ALS Group USA, Corp.**

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision Semi-Annual Wells/129375-002  
**Sample Matrix:** Water

**Service Request:** R1709790  
**Date Analyzed:** 10/14/17 - 10/16/17

**Lab Control Sample Summary**  
**General Chemistry Parameters**

**Units:**mg/L**Basis:**NA**Lab Control Sample**

R1709790-LCS2

| <b>Analyte Name</b> | <b>Analytical Method</b> | <b>Result</b> | <b>Spike Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> |
|---------------------|--------------------------|---------------|---------------------|--------------|---------------------|
| Chloride            | 9056A                    | 2.02          | 2.00                | 101          | 80-120              |
| Nitrite as Nitrogen | 9056A                    | 0.96          | 1.00                | 96           | 80-120              |
| Sulfate             | 9056A                    | 1.98          | 2.00                | 99           | 80-120              |



April 26, 2018

Service Request No:R1803433

Mr. Mark Ramsdell  
Haley & Aldrich, Inc.  
200 Town Centre Drive  
Suite 2  
Rochester, NY 14623-4264

**Laboratory Results for: Coopervision**

Dear Mr.Ramsdell,

Enclosed are the results of the sample(s) submitted to our laboratory April 20, 2018  
For your reference, these analyses have been assigned our service request number **R1803433**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**

Brady Kalkman  
Project Manager

**ADDRESS**

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ALS Group USA, Corp.  
dba ALS Environmental



## Narrative Documents

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**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Received:** 04/17/2018 - 04/20/2018

### CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

#### Sample Receipt:

Thirteen water samples were received for analysis at ALS Environmental on 04/17/2018 - 04/20/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

#### Semivolatile GC:

No significant anomalies were noted with this analysis.

#### Metals:

No significant anomalies were noted with this analysis.

#### General Chemistry:

No significant anomalies were noted with this analysis.

#### Volatiles by GC/MS:

Method 8260C, 04/23/2018: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8260C, 04/24/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 04/24/2018: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8260C, 04/25/2018: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

#### Volatiles by GC:

No significant anomalies were noted with this analysis.



Approved by \_\_\_\_\_

Date 04/26/2018

### SAMPLE DETECTION SUMMARY

|                                    |                             |
|------------------------------------|-----------------------------|
| <b>CLIENT ID: MW-3-041618-1255</b> | <b>Lab ID: R1803433-001</b> |
|------------------------------------|-----------------------------|

| Analyte                                | Results | Flag | MDL  | PQL | Units | Method                |
|----------------------------------------|---------|------|------|-----|-------|-----------------------|
| Alkalinity, Total as CaCO <sub>3</sub> | 216     |      | 1.0  | 2.0 | mg/L  | SM 2320 B-1997 (2011) |
| Chloride                               | 435     |      | 2    | 20  | mg/L  | 9056A                 |
| Sulfate                                | 23.1    |      | 0.2  | 2.0 | mg/L  | 9056A                 |
| Iron, Total                            | 38000   |      | 50   | 100 | ug/L  | 6010C                 |
| Chloroethane                           | 410     |      | 0.60 | 13  | ug/L  | 8260C                 |
| 1,1-Dichloroethane                     | 72      |      | 0.50 | 13  | ug/L  | 8260C                 |
| Vinyl Chloride                         | 29      |      | 0.80 | 13  | ug/L  | 8260C                 |
| Methane                                | 2000    |      | 25   | 53  | ug/L  | RSK 175               |

|                                      |                             |
|--------------------------------------|-----------------------------|
| <b>CLIENT ID: MW-502-041618-1250</b> | <b>Lab ID: R1803433-003</b> |
|--------------------------------------|-----------------------------|

| Analyte | Results | Flag | MDL | PQL | Units | Method |
|---------|---------|------|-----|-----|-------|--------|
| Acetone | 11      |      | 1.3 | 10  | ug/L  | 8260C  |

|                                       |                             |
|---------------------------------------|-----------------------------|
| <b>CLIENT ID: OWS-302-042018-1245</b> | <b>Lab ID: R1803433-004</b> |
|---------------------------------------|-----------------------------|

| Analyte      | Results | Flag | MDL | PQL | Units | Method |
|--------------|---------|------|-----|-----|-------|--------|
| Chloroethane | 20000   |      | 24  | 500 | ug/L  | 8260C  |

|                                      |                             |
|--------------------------------------|-----------------------------|
| <b>CLIENT ID: MW-205-041618-1710</b> | <b>Lab ID: R1803433-005</b> |
|--------------------------------------|-----------------------------|

| Analyte                                | Results | Flag | MDL | PQL   | Units | Method                |
|----------------------------------------|---------|------|-----|-------|-------|-----------------------|
| Alkalinity, Total as CaCO <sub>3</sub> | 3450    |      | 1.0 | 2.0   | mg/L  | SM 2320 B-1997 (2011) |
| Chloride                               | 732     |      | 2   | 20    | mg/L  | 9056A                 |
| Iron, Total                            | 107000  |      | 500 | 1000  | ug/L  | 6010C                 |
| 1,1-Dichloroethane                     | 210000  |      | 400 | 10000 | ug/L  | 8260C                 |
| 1,1,1-Trichloroethane                  | 44000   |      | 720 | 10000 | ug/L  | 8260C                 |
| Methane                                | 6000    |      | 50  | 110   | ug/L  | RSK 175               |
| Acetic Acid                            | 1300    |      | 20  | 20    | mg/L  | Organic Acids         |
| Butanoic Acid (Butyric Acid)           | 2900    |      | 6.3 | 40    | mg/L  | Organic Acids         |
| Propionic Acid                         | 910     |      | 3.8 | 20    | mg/L  | Organic Acids         |

|                                           |                             |
|-------------------------------------------|-----------------------------|
| <b>CLIENT ID: MW-205-041618-1710 Diss</b> | <b>Lab ID: R1803433-006</b> |
|-------------------------------------------|-----------------------------|

| Analyte         | Results | Flag | MDL | PQL  | Units | Method |
|-----------------|---------|------|-----|------|-------|--------|
| Iron, Dissolved | 106000  |      | 500 | 1000 | ug/L  | 6010C  |

|                                      |                             |
|--------------------------------------|-----------------------------|
| <b>CLIENT ID: MW-501-041718-0950</b> | <b>Lab ID: R1803433-007</b> |
|--------------------------------------|-----------------------------|

| Analyte            | Results | Flag | MDL | PQL | Units | Method |
|--------------------|---------|------|-----|-----|-------|--------|
| Chloroethane       | 710     |      | 2.4 | 50  | ug/L  | 8260C  |
| 1,1-Dichloroethane | 110     |      | 2.0 | 50  | ug/L  | 8260C  |
| Vinyl Chloride     | 57      |      | 3.2 | 50  | ug/L  | 8260C  |

|                                      |                             |
|--------------------------------------|-----------------------------|
| <b>CLIENT ID: MW-202-041718-1120</b> | <b>Lab ID: R1803433-008</b> |
|--------------------------------------|-----------------------------|

| Analyte                                | Results | Flag | MDL | PQL | Units | Method                |
|----------------------------------------|---------|------|-----|-----|-------|-----------------------|
| Alkalinity, Total as CaCO <sub>3</sub> | 166     |      | 1.0 | 2.0 | mg/L  | SM 2320 B-1997 (2011) |

### SAMPLE DETECTION SUMMARY

|                                      |  |  |                             |  |  |  |
|--------------------------------------|--|--|-----------------------------|--|--|--|
| <b>CLIENT ID: MW-202-041718-1120</b> |  |  | <b>Lab ID: R1803433-008</b> |  |  |  |
|--------------------------------------|--|--|-----------------------------|--|--|--|

| Analyte             | Results | Flag | MDL  | PQL | Units | Method |
|---------------------|---------|------|------|-----|-------|--------|
| Chloride            | 3290    |      | 20   | 200 | mg/L  | 9056A  |
| Nitrate as Nitrogen | 1.9     |      | 0.04 | 1.0 | mg/L  | 9056A  |
| Sulfate             | 311     |      | 0.8  | 8.0 | mg/L  | 9056A  |
| 1,1-Dichloroethane  | 59      |      | 0.20 | 5.0 | ug/L  | 8260C  |
| 1,1-Dichloroethene  | 63      |      | 0.57 | 5.0 | ug/L  | 8260C  |

|                                           |  |  |                             |  |  |  |
|-------------------------------------------|--|--|-----------------------------|--|--|--|
| <b>CLIENT ID: MW-202-041718-1120 Diss</b> |  |  | <b>Lab ID: R1803433-009</b> |  |  |  |
|-------------------------------------------|--|--|-----------------------------|--|--|--|

| Analyte         | Results | Flag | MDL | PQL | Units | Method |
|-----------------|---------|------|-----|-----|-------|--------|
| Iron, Dissolved | 140     |      | 50  | 100 | ug/L  | 6010C  |



## Sample Receipt Information

**ALS Environmental—Rochester Laboratory**

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**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002

**Service Request:**R1803433

**SAMPLE CROSS-REFERENCE**

| <u>SAMPLE #</u> | <u>CLIENT SAMPLE ID</u> | <u>DATE</u> | <u>TIME</u> |
|-----------------|-------------------------|-------------|-------------|
| R1803433-001    | MW-3-041618-1255        | 4/16/2018   | 1255        |
| R1803433-002    | MW-3-041618-1255 Diss   | 4/16/2018   | 1255        |
| R1803433-003    | MW-502-041618-1250      | 4/16/2018   | 1250        |
| R1803433-004    | OWS-302-042018-1245     | 4/20/2018   | 1245        |
| R1803433-005    | MW-205-041618-1710      | 4/16/2018   | 1710        |
| R1803433-006    | MW-205-041618-1710 Diss | 4/16/2018   | 1710        |
| R1803433-007    | MW-501-041718-0950      | 4/17/2018   | 0950        |
| R1803433-008    | MW-202-041718-1120      | 4/17/2018   | 1120        |
| R1803433-009    | MW-202-041718-1120 Diss | 4/17/2018   | 1120        |
| R1803433-010    | MW-204-041718-1425      | 4/17/2018   | 1425        |
| R1803433-011    | OW-306-041718-1540      | 4/17/2018   | 1540        |
| R1803433-012    | MW-203-041718-1705      | 4/17/2018   | 1705        |
| R1803433-013    | Trip Blank              | 4/15/2018   |             |



# HALEY ALDRICH

## ALS Environmental Laboratory:

1565 Jefferson Rd, Bldg 300, Ste 360, Rochester, NY 14623, USA | +1 585 288 5380

## Chain of Custody Form

Page 1 of 1

|                                              |  |  |  |                                        |  |                                       |  |
|----------------------------------------------|--|--|--|----------------------------------------|--|---------------------------------------|--|
| Blanket Service Agreement: 2015-18-ALS Group |  |  |  | H&A Project Number: <u>M. Ramsdell</u> |  | H&A Client Name: <u>Cooper Vision</u> |  |
|                                              |  |  |  | ALS Project Manager: <u>B. Kalkman</u> |  | ALS Work Order #:                     |  |

| Customer Information |                                  |                         | Project Information |  |  | Parameter/Method Request for Analysis |                                                                        |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|----------------------------------|-------------------------|---------------------|--|--|---------------------------------------|------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| Purchase Order       |                                  | Project Name            | CooperVision        |  |  | A                                     | VOCs (8260C)                                                           |  |  |  |  |  |  |  |  |  |  |  |
| Work Order           |                                  | Project Number          | 129375-003          |  |  | B                                     | RSK-175 Dissolved Gases                                                |  |  |  |  |  |  |  |  |  |  |  |
| Company Name         | Haley & Aldrich                  | Bill To Company         | Accounts Payable    |  |  | C                                     | Alkalinity - Anion List (SM2320)                                       |  |  |  |  |  |  |  |  |  |  |  |
| Send Report To       | Mark Ramsdell                    | Invoice Attn.           |                     |  |  | D                                     | Sulfide - Anion List (9034)                                            |  |  |  |  |  |  |  |  |  |  |  |
| Address              | 200 Town Centre Drive<br>Suite 2 | Address                 |                     |  |  | E                                     | Nitrate (9056A), Nitrite (9056A), Chloride, Sulfate                    |  |  |  |  |  |  |  |  |  |  |  |
| City/State/Zip       | Rochester                        | City/State/Zip          |                     |  |  | F                                     | Organic Acids - Metabolic, Acetic, Lactic, Butyric, Propionic, Pyruvic |  |  |  |  |  |  |  |  |  |  |  |
| Phone                | 585-321-4241                     | Phone                   |                     |  |  | G                                     | TOC (SM5310 C-2000)                                                    |  |  |  |  |  |  |  |  |  |  |  |
| Fax                  |                                  | State Samples Collected |                     |  |  | H                                     | Total Iron (6010C)                                                     |  |  |  |  |  |  |  |  |  |  |  |
| Email Address        | <u>mrmsdell@haleyaldrich.com</u> | Email Address           |                     |  |  | I                                     | Dissolved Iron (6010C) Field Filtered                                  |  |  |  |  |  |  |  |  |  |  |  |
|                      |                                  |                         |                     |  |  | J                                     |                                                                        |  |  |  |  |  |  |  |  |  |  |  |

| No. | Sample Description | Date    | Time | Matrix | Pres. Key Numbers | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|---------|------|--------|-------------------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1   | MW3-041618-1255    | 4/16/18 | 1255 | GW     |                   |           | X | X | X | X | X |   |   | X | X |   |      |
| 2   | MW-502-041618-1250 | 4/16/18 | 1250 | GW     |                   |           | X |   |   |   |   |   |   |   |   |   |      |
| 3   | CWS302-041618-1600 | 4/16/18 | 1600 | GW     |                   |           | X |   |   |   |   |   |   |   |   |   |      |
| 4   | MW205-041618-1710  | 4/16/18 | 1710 | GW     |                   |           | X | X | X | X | X |   |   | X | X |   |      |
| 5   | MW501-041718-0950  | 4/17/18 | 0950 | GW     |                   |           | X |   |   |   |   |   |   |   |   |   |      |
| 6   | MW202-041718-1120  | 4/17/18 | 1120 | GW     |                   |           | X | X | X | X | X | X | X | X | X |   |      |
| 7   | MW204-041718-1425  | 4/17/18 | 1425 | GW     |                   |           | X |   |   |   |   |   |   |   |   |   |      |
| 8   | OW300-041718-1540  | 4/17/18 | 1540 | GW     |                   |           | X |   |   |   |   |   |   |   |   |   |      |
| 9   | MW203-041718-1705  | 4/17/18 | 1705 | GW     |                   |           | X |   |   |   |   |   |   |   |   |   |      |
| 10  | TRIPBLANK          | 4/15/18 |      | AG     |                   |           | X |   |   |   |   |   |   |   |   |   |      |

|                                                                                                   |                         |                                         |                               |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                           |  |  |                   |             |  |
|---------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------|-------------|--|
| Sampler(s): Please Print & Sign<br><u>Santa McKenna</u>                                           |                         | Shipment Method:<br><u>Hand Deliver</u> |                               | Turnaround Time In Business Days (BD):<br><input checked="" type="checkbox"/> 10 BD <input type="checkbox"/> 5 BD <input type="checkbox"/> 3 BD <input type="checkbox"/> 2 BD <input type="checkbox"/> 1 BD           Other: _____ |                                                                                                                                                                                                                           |  |  | Results Due Date: |             |  |
| Relinquished by:<br>                                                                              | Date:<br><u>4/17/18</u> | Time:<br><u>1820</u>                    | Received by:                  |                                                                                                                                                                                                                                    | Notes:                                                                                                                                                                                                                    |  |  |                   |             |  |
| Relinquished by:                                                                                  | Date:<br><u>4/17/18</u> | Time:<br><u>1820</u>                    | Received by (Laboratory):<br> |                                                                                                                                                                                                                                    | ALS Cooler ID                                                                                                                                                                                                             |  |  |                   | Cooler Temp |  |
| Logged by (Laboratory):                                                                           |                         |                                         | Checked by (Laboratory):      |                                                                                                                                                                                                                                    | QC Package: (Check Box Below)                                                                                                                                                                                             |  |  |                   |             |  |
|                                                                                                   |                         |                                         |                               |                                                                                                                                                                                                                                    | <input type="checkbox"/> Level II: Standard QC <input type="checkbox"/> TRRP Checklist<br><input type="checkbox"/> Level III <input type="checkbox"/> TRRP Level IV<br><input type="checkbox"/> Level IV: Std QC/Raw Data |  |  |                   |             |  |
| Preservative Key: 1-HCl   2-HNO3   3-H2SO4   4-NaOH   5-Na2S2O3   6-NaHSO4   7-Other   8-None/40C |                         |                                         |                               |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                           |  |  |                   |             |  |

1. ALS Group's services under this Chain of Custody shall be performed in accordance with terms and conditions within Blanket Service Agreement# 2015-18-ALS Group by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and ALS Group.

2. Communicate with Laboratory Project Manager for any turnaround time less than 5 days.

**R1803433**  
Haley & Aldrich, Inc.  
CooperVision





## Cooler Receipt and Preservation Check Form

R1803433

5

Haley & Aldrich, Inc.  
CooperationProject/Client H+A Folder Number R1803433Cooler received on 4/17/18 by: SW <sup>4/17/18</sup> COURIER: ALS UPS FEDEX VELOCITY CLIENT

|   |                                                      |                                                                             |    |                                                   |                                                                                |
|---|------------------------------------------------------|-----------------------------------------------------------------------------|----|---------------------------------------------------|--------------------------------------------------------------------------------|
| 1 | Were Custody seals on outside of cooler?             | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | 5a | Perchlorate samples have required headspace?      | Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> NA |
| 2 | Custody papers properly completed (ink, signed)?     | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | 5b | Did VOA vials, Alk, or Sulfide have sig* bubbles? | Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> NA |
| 3 | Did all bottles arrive in good condition (unbroken)? | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | 6  | Where did the bottles originate?                  | ALS/ROC CLIENT                                                                 |
| 4 | Circle: <u>Wet Ice</u> Dry Ice Gel packs present?    | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | 7  | Soil VOA received as:                             | Bulk Encore 5035set <input checked="" type="checkbox"/> NA                     |

8. Temperature Readings Date: 4/17/18 Time: 1876 ID: IR#7 1876 From: Temp Blank Sample Bottle

|                               |                                                                             |                                                                             |                                                                             |                                                                             |                                                                             |                                                                             |                                                                             |
|-------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Observed Temp (°C)            | <u>11.7</u>                                                                 |                                                                             |                                                                             |                                                                             |                                                                             |                                                                             |                                                                             |
| Correction Factor (°C)        | <u>±0.0</u>                                                                 |                                                                             |                                                                             |                                                                             |                                                                             |                                                                             |                                                                             |
| Corrected Temp (°C)           | <u>11.7</u>                                                                 |                                                                             |                                                                             |                                                                             |                                                                             |                                                                             |                                                                             |
| Temp from: Type of bottle     |                                                                             |                                                                             |                                                                             |                                                                             |                                                                             |                                                                             |                                                                             |
| Within 0-6°C?                 | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N |
| If <0°C, were samples frozen? | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N |

If out of Temperature, note packing/ice condition: \_\_\_\_\_ Ice melted Poorly Packed (described below) Same Day Rule

&amp; Client Approval to Run Samples: \_\_\_\_\_ Standing Approval Client aware at drop-off Client notified by: \_\_\_\_\_

All samples held in storage location: R-002 by SW on 4/17/18 at 1876  
5035 samples placed in storage location: \_\_\_\_\_ by \_\_\_\_\_ on \_\_\_\_\_ at \_\_\_\_\_Cooler Breakdown/Preservation Check\*\*: Date: 4-18-18 Time: 14:25 by: KE  
9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? ☒ YES ☒ NO  
10. Did all bottle labels and tags agree with custody papers? ☒ YES ☒ NO  
11. Were correct containers used for the tests indicated? ☒ YES ☒ NO \* note on cover sheet  
12. Were 5035 vials acceptable (no extra labels, not leaking)? ☒ YES ☒ NO  
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated ☒ N/A ☒ N/A

| pH                    | Lot of test paper | Reagent                                       | Preserved?                          |                                     | Lot Received                                                                                             | Exp          | Sample ID Adjusted | Vol. Added      | Lot Added     | Final pH       |
|-----------------------|-------------------|-----------------------------------------------|-------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------|--------------|--------------------|-----------------|---------------|----------------|
| ≥12                   |                   | NaOH                                          | Yes                                 | No                                  |                                                                                                          |              |                    |                 |               |                |
| ≤2                    | <u>201817</u>     | HNO <sub>3</sub>                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>B2801C</u>                                                                                            | <u>12/18</u> | <u>005, 006</u>    | <u>1ml each</u> | <u>B2801C</u> | <u>Both 12</u> |
| ≤2                    | <u>↓</u>          | H <sub>2</sub> SO <sub>4</sub>                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>26C0071</u>                                                                                           | <u>6/19</u>  |                    |                 |               |                |
| <4                    |                   | NaHSO <sub>4</sub>                            |                                     |                                     |                                                                                                          |              |                    |                 |               |                |
| 5-9                   |                   | For 608pest                                   |                                     |                                     | No=Notify for 3day                                                                                       |              |                    |                 |               |                |
| Residual Chlorine (-) |                   | For CN, Phenol, 625, 608pest, 522             |                                     |                                     | If +, contact PM to add Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (625, 608, CN), ascorbic (phenol). |              |                    |                 |               |                |
|                       |                   | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> |                                     |                                     |                                                                                                          |              |                    |                 |               |                |
|                       |                   | ZnAcetate                                     | -                                   | -                                   |                                                                                                          |              |                    |                 |               |                |
|                       |                   | HCl                                           | **                                  | **                                  | <u>4115120</u>                                                                                           | <u>6/19</u>  |                    |                 |               |                |

\*\*VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 7249-002, 7254-005, 120417-277A0, 101617-1B412  
Explain all Discrepancies/ Other Comments:H<sub>2</sub>PO<sub>4</sub> Lot 185422 exp 01/19

|       |        |
|-------|--------|
| CLRES | BULK   |
| DO    | FLDT   |
| HPROD | HGFB   |
| HTR   | LL3541 |
| PH    | SUB    |
| SO3   | MARRS  |
| ALS   | REV    |

Labels secondary reviewed by: KE  
PC Secondary Review: \_\_\_\_\_

\*significant air bubbles: VOA &gt; 5-6 mm : WC &gt; 1 in. diameter



**HALEY  
ALDRICH**

**ALS Environmental Laboratory:**

1565 Jefferson Rd, Bldg 300, Ste 360, Rochester, NY 14623, USA | +1 585 288 5380

**Chain of Custody Form**

Page 1 of 1

|                                                     |                    |                           |  |                                |      |                  |                   |                                              |   |                                                                        |   |   |   |   |   |   |   |   |      |
|-----------------------------------------------------|--------------------|---------------------------|--|--------------------------------|------|------------------|-------------------|----------------------------------------------|---|------------------------------------------------------------------------|---|---|---|---|---|---|---|---|------|
| <b>Blanket Service Agreement: 2015-18-ALS Group</b> |                    |                           |  | <b>H&amp;A Project Number:</b> |      |                  |                   | <b>H&amp;A Client Name:</b>                  |   |                                                                        |   |   |   |   |   |   |   |   |      |
| <b>ALS Project Manager:</b>                         |                    |                           |  | <b>ALS Work Order #:</b>       |      |                  |                   |                                              |   |                                                                        |   |   |   |   |   |   |   |   |      |
| <b>Customer Information</b>                         |                    |                           |  | <b>Project Information</b>     |      |                  |                   | <b>Parameter/Method Request for Analysis</b> |   |                                                                        |   |   |   |   |   |   |   |   |      |
| Purchase Order                                      |                    | Project Name              |  | CooperVision                   |      | A                |                   | VOCs (8260C)                                 |   |                                                                        |   |   |   |   |   |   |   |   |      |
| Work Order                                          |                    | Project Number            |  | 129375-000007 002 SID 7        |      | B                |                   | RSK-175 Dissolved Gases                      |   |                                                                        |   |   |   |   |   |   |   |   |      |
| Company Name                                        |                    | Haley & Aldrich           |  | Bill To Company                |      | Accounts Payable |                   | C                                            |   | Alkalinity - Anion List (SM2320)                                       |   |   |   |   |   |   |   |   |      |
| Send Report To                                      |                    | Mark Ramsdell             |  | Invoice Attn.                  |      |                  |                   | D                                            |   | Sulfide - Anion List (9034)                                            |   |   |   |   |   |   |   |   |      |
| Address                                             |                    | 200 Town Centre Drive     |  | Address                        |      |                  |                   | E                                            |   | Nitrate (9056A), Nitrite (9056A), Chloride, Sulfate                    |   |   |   |   |   |   |   |   |      |
|                                                     |                    | Suite 2                   |  |                                |      |                  |                   | F                                            |   | Organic Acids - Metabolic, Acetic, Lactic, Butyric, Propionic, Pyruvic |   |   |   |   |   |   |   |   |      |
| City/State/Zip                                      |                    | Rochester                 |  | City/State/Zip                 |      |                  |                   | G                                            |   | TOC (SM5310 C-2000)                                                    |   |   |   |   |   |   |   |   |      |
| Phone                                               |                    | 585-321-4241              |  | Phone                          |      |                  |                   | H                                            |   | Total Iron (6010C)                                                     |   |   |   |   |   |   |   |   |      |
| Fax                                                 |                    |                           |  | State Samples Collected        |      |                  |                   | I                                            |   | Dissolved Iron (6010C) Field Filtered                                  |   |   |   |   |   |   |   |   |      |
| Email Address                                       |                    | ramsdell@haleyaldrich.com |  | Email Address                  |      |                  |                   | J                                            |   |                                                                        |   |   |   |   |   |   |   |   |      |
| No.                                                 | Sample Description |                           |  | Date                           | Time | Matrix           | Pres. Key Numbers | # Bottles                                    | A | B                                                                      | C | D | E | F | G | H | I | J | Hold |
| 1                                                   | OWS302-042018-1245 |                           |  | 4/20/18                        | 1245 | WG               |                   | 3                                            | X |                                                                        |   |   |   |   |   |   |   |   |      |
| 2                                                   |                    |                           |  |                                |      |                  |                   |                                              |   |                                                                        |   |   |   |   |   |   |   |   |      |
| 3                                                   |                    |                           |  |                                |      |                  |                   |                                              |   |                                                                        |   |   |   |   |   |   |   |   |      |
| 4                                                   |                    |                           |  |                                |      |                  |                   |                                              |   |                                                                        |   |   |   |   |   |   |   |   |      |
| 5                                                   |                    |                           |  |                                |      |                  |                   |                                              |   |                                                                        |   |   |   |   |   |   |   |   |      |
| 6                                                   |                    |                           |  |                                |      |                  |                   |                                              |   |                                                                        |   |   |   |   |   |   |   |   |      |
| 7                                                   |                    |                           |  |                                |      |                  |                   |                                              |   |                                                                        |   |   |   |   |   |   |   |   |      |
| 8                                                   |                    |                           |  |                                |      |                  |                   |                                              |   |                                                                        |   |   |   |   |   |   |   |   |      |
| 9                                                   |                    |                           |  |                                |      |                  |                   |                                              |   |                                                                        |   |   |   |   |   |   |   |   |      |
| 10                                                  |                    |                           |  |                                |      |                  |                   |                                              |   |                                                                        |   |   |   |   |   |   |   |   |      |

|                                            |  |              |                         |                                  |                                                                                                                                                                                                  |                      |  |                    |                                                                                        |  |  |
|--------------------------------------------|--|--------------|-------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--|--------------------|----------------------------------------------------------------------------------------|--|--|
| <b>Sampler(s): Please Print &amp; Sign</b> |  |              | <b>Shipment Method:</b> |                                  | <b>Turnaround Time in Business Days (BD):</b>                                                                                                                                                    |                      |  |                    | <b>Results Due Date:</b>                                                               |  |  |
| Robert Lydell                              |  |              | drop off                |                                  | <input checked="" type="checkbox"/> 10 BD <input type="checkbox"/> 5 BD <input type="checkbox"/> 3 BD <input type="checkbox"/> 2 BD <input type="checkbox"/> 1 BD <input type="checkbox"/> Other |                      |  |                    |                                                                                        |  |  |
| <b>Relinquished by:</b>                    |  | <b>Date:</b> | <b>Time:</b>            | <b>Received by:</b>              |                                                                                                                                                                                                  | <b>Notes:</b>        |  |                    |                                                                                        |  |  |
| [Signature]                                |  | 4/20/18      | 1350                    | Jon Laum                         |                                                                                                                                                                                                  | 4/20/18 1350         |  |                    |                                                                                        |  |  |
| <b>Relinquished by:</b>                    |  | <b>Date:</b> | <b>Time:</b>            | <b>Received by (Laboratory):</b> |                                                                                                                                                                                                  | <b>ALS Cooler ID</b> |  | <b>Cooler Temp</b> | <b>QC Package: (Check Box Below)</b>                                                   |  |  |
|                                            |  |              |                         |                                  |                                                                                                                                                                                                  |                      |  |                    | <input type="checkbox"/> Level II: Standard QC <input type="checkbox"/> TRRP Checklist |  |  |
| <b>Logged by (Laboratory):</b>             |  | <b>Date:</b> | <b>Time:</b>            | <b>Checked by (Laboratory):</b>  |                                                                                                                                                                                                  |                      |  |                    | <input type="checkbox"/> Level III <input type="checkbox"/> TRRP Level IV              |  |  |
|                                            |  |              |                         |                                  |                                                                                                                                                                                                  |                      |  |                    | <input type="checkbox"/> Level IV: Std QC/Raw Data                                     |  |  |
|                                            |  |              |                         |                                  |                                                                                                                                                                                                  |                      |  |                    | <input type="checkbox"/> Other                                                         |  |  |

Preservative Key: 1-HCl   2-HNO3   3-H2SO4   4-NaOH   5-Na2S2O3   6-NaHSO4   7-Other   8-None/40C

1. ALS Group's services under this Chain of Custody shall be performed in accordance with terms and conditions within Blanket Service Agreement# 2015-18-ALS Group by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and ALS Group.

2. Communicate with Laboratory Project Manager for any turnaround time less than 5 days.

**R1803433**

Haley & Aldrich, Inc.  
CooperVision

**5**





# Cooler Receipt and Preservation Check Form

R1803433

5

Haley & Aldrich, Inc.  
Cooperation



Project/Client H+A Folder Number \_\_\_\_\_

Cooler received on 4/20/18 by: SW

COURIER: ALS UPS FEDEX VELOCITY CLIENT

|   |                                                      |                                         |
|---|------------------------------------------------------|-----------------------------------------|
| 1 | Were Custody seals on outside of cooler?             | Y <input checked="" type="checkbox"/> N |
| 2 | Custody papers properly completed (ink, signed)?     | <input checked="" type="checkbox"/> N   |
| 3 | Did all bottles arrive in good condition (unbroken)? | <input checked="" type="checkbox"/> N   |
| 4 | Circle: <u>Wet Ice</u> Dry Ice Gel packs present?    | <input checked="" type="checkbox"/> N   |

|    |                                                   |                                                            |
|----|---------------------------------------------------|------------------------------------------------------------|
| 5a | Perchlorate samples have required headspace?      | Y N <input checked="" type="checkbox"/> NA                 |
| 5b | Did VOA vials, Alk, or Sulfide have sig* bubbles? | Y <input checked="" type="checkbox"/> NA                   |
| 6  | Where did the bottles originate?                  | ALS/ROC <u>CLIENT</u>                                      |
| 7  | Soil VOA received as:                             | Bulk Encore 5035set <input checked="" type="checkbox"/> NA |

8. Temperature Readings Date: 4/20/18 Time: 1356 ID: REF IR#9 From: Temp Blank Sample Bottle

|                               |                                       |     |     |     |     |     |     |
|-------------------------------|---------------------------------------|-----|-----|-----|-----|-----|-----|
| Observed Temp (°C)            | 51.1                                  |     |     |     |     |     |     |
| Correction Factor (°C)        | 20.0                                  |     |     |     |     |     |     |
| Corrected Temp (°C)           | 51.1                                  |     |     |     |     |     |     |
| Temp from: Type of bottle     |                                       |     |     |     |     |     |     |
| Within 0-6°C?                 | <input checked="" type="checkbox"/> N | Y N | Y N | Y N | Y N | Y N | Y N |
| If <0°C, were samples frozen? | Y N                                   | Y N | Y N | Y N | Y N | Y N | Y N |

If out of Temperature, note packing/ice condition: \_\_\_\_\_ Ice melted Poorly Packed (described below) Same Day Rule  
& Client Approval to Run Samples: \_\_\_\_\_ Standing Approval Client aware at drop-off Client notified by: \_\_\_\_\_

All samples held in storage location: R-002 by SW on 4/20/18 at 1356  
5035 samples placed in storage location: \_\_\_\_\_ by \_\_\_\_\_ on \_\_\_\_\_ at \_\_\_\_\_

Cooler Breakdown/Preservation Check\*\*: Date: 4/23/18 Time: 1241 by: @

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO  
10. Did all bottle labels and tags agree with custody papers? YES NO  
11. Were correct containers used for the tests indicated? YES NO  
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO  
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A

| pH                    | Lot of test paper | Reagent                                       | Preserved? |    | Lot Received                                                                                             | Exp | Sample ID Adjusted | Vol. Added | Lot Added | Final pH |
|-----------------------|-------------------|-----------------------------------------------|------------|----|----------------------------------------------------------------------------------------------------------|-----|--------------------|------------|-----------|----------|
|                       |                   |                                               | Yes        | No |                                                                                                          |     |                    |            |           |          |
| ≥12                   |                   | NaOH                                          |            |    |                                                                                                          |     |                    |            |           |          |
| ≤2                    |                   | HNO <sub>3</sub>                              |            |    |                                                                                                          |     |                    |            |           |          |
| ≤2                    |                   | H <sub>2</sub> SO <sub>4</sub>                |            |    |                                                                                                          |     |                    |            |           |          |
| <4                    |                   | NaHSO <sub>4</sub>                            |            |    |                                                                                                          |     |                    |            |           |          |
| 5-9                   |                   | For 608pest                                   |            |    | No=Notify for 3day                                                                                       |     |                    |            |           |          |
| Residual Chlorine (-) |                   | For CN, Phenol, 625, 608pest, 522             |            |    | If +, contact PM to add Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (625, 608, CN), ascorbic (phenol). |     |                    |            |           |          |
|                       |                   | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> |            |    |                                                                                                          |     |                    |            |           |          |
|                       |                   | ZnAcetate                                     | -          | -  |                                                                                                          |     |                    |            |           |          |
|                       |                   | HCl                                           | **         | ** | <u>Client</u>                                                                                            |     |                    |            |           |          |

\*\*VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: Client  
Explain all Discrepancies/ Other Comments:

|       |        |
|-------|--------|
| CLRES | BULK   |
| DO    | FLDT   |
| HPROD | HGFB   |
| HTR   | LL3541 |
| PH    | SUB    |
| SO3   | MARRS  |
| ALS   | REV    |

Labels secondary reviewed by: @  
PC Secondary Review: \_\_\_\_\_

\*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



## Miscellaneous Forms

**ALS Environmental—Rochester Laboratory**

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

[www.alsglobal.com](http://www.alsglobal.com)

## REPORT QUALIFIERS AND DEFINITIONS

|   |                                                                                                                                                                                                                                                                                                        |     |                                                                                                                                                                                                                      |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U | Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.                                                                                                                       | +   | Correlation coefficient for MSA is <0.995.                                                                                                                                                                           |
| J | Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors). | N   | Inorganics- Matrix spike recovery was outside laboratory limits.                                                                                                                                                     |
| B | Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.                                                                                                                                                                            | N   | Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.                                                                                                                     |
| E | Inorganics- Concentration is estimated due to the serial dilution was outside control limits.                                                                                                                                                                                                          | S   | Concentration has been determined using Method of Standard Additions (MSA).                                                                                                                                          |
| E | Organics- Concentration has exceeded the calibration range for that specific analysis.                                                                                                                                                                                                                 | W   | Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.                                                                                                   |
| D | Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.                                                                                            | P   | Concentration >40% difference between the two GC columns.                                                                                                                                                            |
| * | Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.                                                                                                                  | C   | Confirmed by GC/MS                                                                                                                                                                                                   |
| H | Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.                                                                                                                                                                                                         | Q   | DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).                                                                                                                |
| # | Spike was diluted out.                                                                                                                                                                                                                                                                                 | X   | See Case Narrative for discussion.                                                                                                                                                                                   |
|   |                                                                                                                                                                                                                                                                                                        | MRL | Method Reporting Limit. Also known as:                                                                                                                                                                               |
|   |                                                                                                                                                                                                                                                                                                        | LOQ | Limit of Quantitation (LOQ)<br>The lowest concentration at which the method analyte may be reliably quantified under the method conditions.                                                                          |
|   |                                                                                                                                                                                                                                                                                                        | MDL | Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier). |
|   |                                                                                                                                                                                                                                                                                                        | LOD | Limit of Detection. A value at or above the MDL which has been verified to be detectable.                                                                                                                            |
|   |                                                                                                                                                                                                                                                                                                        | ND  | Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.                                                                                                                               |



### Rochester Lab ID # for State Certifications<sup>1</sup>

|                         |                       |                         |
|-------------------------|-----------------------|-------------------------|
| Connecticut ID # PH0556 | Maine ID #NY0032      | New Hampshire ID #      |
| Delaware Approved       | New Jersey ID # NY004 | 294100 A/B              |
| DoD ELAP #65817         | New York ID # 10145   | Pennsylvania ID# 68-786 |
| Florida ID # E87674     | North Carolina #676   | Rhode Island ID # 158   |
|                         |                       | Virginia #460167        |

<sup>1</sup> Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

# ALS Laboratory Group

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## Acronyms

|            |                                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------------------------|
| ASTM       | American Society for Testing and Materials                                                                                               |
| A2LA       | American Association for Laboratory Accreditation                                                                                        |
| CARB       | California Air Resources Board                                                                                                           |
| CAS Number | Chemical Abstract Service registry Number                                                                                                |
| CFC        | Chlorofluorocarbon                                                                                                                       |
| CFU        | Colony-Forming Unit                                                                                                                      |
| DEC        | Department of Environmental Conservation                                                                                                 |
| DEQ        | Department of Environmental Quality                                                                                                      |
| DHS        | Department of Health Services                                                                                                            |
| DOE        | Department of Ecology                                                                                                                    |
| DOH        | Department of Health                                                                                                                     |
| EPA        | U. S. Environmental Protection Agency                                                                                                    |
| ELAP       | Environmental Laboratory Accreditation Program                                                                                           |
| GC         | Gas Chromatography                                                                                                                       |
| GC/MS      | Gas Chromatography/Mass Spectrometry                                                                                                     |
| LUFT       | Leaking Underground Fuel Tank                                                                                                            |
| M          | Modified                                                                                                                                 |
| MCL        | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL        | Method Detection Limit                                                                                                                   |
| MPN        | Most Probable Number                                                                                                                     |
| MRL        | Method Reporting Limit                                                                                                                   |
| NA         | Not Applicable                                                                                                                           |
| NC         | Not Calculated                                                                                                                           |
| NCASI      | National Council of the Paper Industry for Air and Stream Improvement                                                                    |
| ND         | Not Detected                                                                                                                             |
| NIOSH      | National Institute for Occupational Safety and Health                                                                                    |
| PQL        | Practical Quantitation Limit                                                                                                             |
| RCRA       | Resource Conservation and Recovery Act                                                                                                   |
| SIM        | Selected Ion Monitoring                                                                                                                  |
| TPH        | Total Petroleum Hydrocarbons                                                                                                             |
| tr         | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.                           |



**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002

**Service Request:** R1803433

**Non-Certified Analytes**

**Certifying Agency:** New York Department of Health

| Method        | Matrix | Analyte                      |
|---------------|--------|------------------------------|
| Organic Acids | Water  | Acetic Acid                  |
| Organic Acids | Water  | Butanoic Acid (Butyric Acid) |
| Organic Acids | Water  | Lactic Acid                  |
| Organic Acids | Water  | Propionic Acid               |
| Organic Acids | Water  | Pyruvic Acid                 |

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Analyst Summary report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002

**Service Request:** R1803433

**Sample Name:** MW-3-041618-1255  
**Lab Code:** R1803433-001  
**Sample Matrix:** Water

**Date Collected:** 04/16/18  
**Date Received:** 04/17/18

**Analysis Method**

6010C

8260C

9034

9056A

RSK 175

SM 2320 B-1997(2011)

**Extracted/Digested By**

KMCLAEN

GNITAJOUPPI

**Analyzed By**

NMANSEN

FNAEGLER

GNITAJOUPPI

AMOSSES

BALLGEIER

CWOODS

**Sample Name:** MW-3-041618-1255 Diss  
**Lab Code:** R1803433-002  
**Sample Matrix:** Water

**Date Collected:** 04/16/18  
**Date Received:** 04/17/18

**Analysis Method**

6010C

**Extracted/Digested By**

KMCLAEN

**Analyzed By**

NMANSEN

**Sample Name:** MW-502-041618-1250  
**Lab Code:** R1803433-003  
**Sample Matrix:** Water

**Date Collected:** 04/16/18  
**Date Received:** 04/17/18

**Analysis Method**

8260C

**Extracted/Digested By**

**Analyzed By**

FNAEGLER

**Sample Name:** OWS-302-042018-1245  
**Lab Code:** R1803433-004  
**Sample Matrix:** Water

**Date Collected:** 04/20/18  
**Date Received:** 04/20/18

**Analysis Method**

8260C

**Extracted/Digested By**

**Analyzed By**

FNAEGLER

ALS Group USA, Corp.  
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Analyst Summary report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002

**Service Request:** R1803433

**Sample Name:** MW-205-041618-1710  
**Lab Code:** R1803433-005  
**Sample Matrix:** Water

**Date Collected:** 04/16/18  
**Date Received:** 04/17/18

**Analysis Method**

6010C  
8260C  
9034  
9056A

Organic Acids

RSK 175

SM 2320 B-1997(2011)

**Extracted/Digested By**

KMCLAEN

GNITAJOUPPI

**Analyzed By**

NMANSEN

FNAEGLER

GNITAJOUPPI

AMOSSES

BALLGEIER

BALLGEIER

CWOODS

**Sample Name:** MW-205-041618-1710 Diss  
**Lab Code:** R1803433-006  
**Sample Matrix:** Water

**Date Collected:** 04/16/18  
**Date Received:** 04/17/18

**Analysis Method**

6010C

**Extracted/Digested By**

KMCLAEN

**Analyzed By**

NMANSEN

**Sample Name:** MW-501-041718-0950  
**Lab Code:** R1803433-007  
**Sample Matrix:** Water

**Date Collected:** 04/17/18  
**Date Received:** 04/17/18

**Analysis Method**

8260C

**Extracted/Digested By**

**Analyzed By**

FNAEGLER

**Sample Name:** MW-202-041718-1120  
**Lab Code:** R1803433-008  
**Sample Matrix:** Water

**Date Collected:** 04/17/18  
**Date Received:** 04/17/18

**Analysis Method**

6010C  
8260C  
9034  
9056A

**Extracted/Digested By**

KMCLAEN

GNITAJOUPPI

**Analyzed By**

NMANSEN

FNAEGLER

GNITAJOUPPI

AMOSSES

ALS Group USA, Corp.  
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Analyst Summary report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002

**Service Request:** R1803433

**Sample Name:** MW-202-041718-1120  
**Lab Code:** R1803433-008  
**Sample Matrix:** Water

**Date Collected:** 04/17/18  
**Date Received:** 04/17/18

**Analysis Method**

**Extracted/Digested By**

**Analyzed By**

Organic Acids

BALLGEIER

RSK 175

BALLGEIER

SM 2320 B-1997(2011)

CWOODS

SM 5310 C-2000(2011)

CWOODS

**Sample Name:** MW-202-041718-1120 Diss  
**Lab Code:** R1803433-009  
**Sample Matrix:** Water

**Date Collected:** 04/17/18  
**Date Received:** 04/17/18

**Analysis Method**

**Extracted/Digested By**

**Analyzed By**

6010C

KMCLAEN

NMANSEN

**Sample Name:** MW-204-041718-1425  
**Lab Code:** R1803433-010  
**Sample Matrix:** Water

**Date Collected:** 04/17/18  
**Date Received:** 04/17/18

**Analysis Method**

**Extracted/Digested By**

**Analyzed By**

8260C

FNAEGLER

**Sample Name:** OW-306-041718-1540  
**Lab Code:** R1803433-011  
**Sample Matrix:** Water

**Date Collected:** 04/17/18  
**Date Received:** 04/17/18

**Analysis Method**

**Extracted/Digested By**

**Analyzed By**

8260C

FNAEGLER

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Analyst Summary report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002

**Service Request:** R1803433

**Sample Name:** MW-203-041718-1705  
**Lab Code:** R1803433-012  
**Sample Matrix:** Water

**Date Collected:** 04/17/18  
**Date Received:** 04/17/18

**Analysis Method**  
8260C

**Extracted/Digested By**

**Analyzed By**  
FNAEGLER

**Sample Name:** Trip Blank  
**Lab Code:** R1803433-013  
**Sample Matrix:** Water

**Date Collected:** 04/15/18  
**Date Received:** 04/17/18

**Analysis Method**  
8260C

**Extracted/Digested By**

**Analyzed By**  
FNAEGLER

**Water/Liquid Matrix**

| Analytical Method             | Preparation Method |
|-------------------------------|--------------------|
| 200.7                         | 200.2              |
| 200.8                         | 200.2              |
| 6010C                         | 3005A/3010A        |
| 6020A                         | ILM05.3            |
| 9014 Cyanide Reactivity       | SW846 Ch7, 7.3.4.2 |
| 9034 Sulfide Reactivity       | SW846 Ch7, 7.3.4.2 |
| 9034 Sulfide Acid Soluble     | 9030B              |
| 9056A Bomb (Halogens)         | 5050A              |
| 9066 Manual Distillation      | 9065               |
| SM 4500-CN-E Residual Cyanide | SM 4500-CN-G       |
| SM 4500-CN-E WAD Cyanide      | SM 4500-CN-I       |

**Solid/Soil/Non-Aqueous Matrix**

| Analytical Method                                            | Preparation Method |
|--------------------------------------------------------------|--------------------|
| 6010C                                                        | 3050B              |
| 6020A                                                        | 3050B              |
| 6010C TCLP (1311) extract                                    | 3005A/3010A        |
| 6010 SPLP (1312) extract                                     | 3005A/3010A        |
| 7196A                                                        | 3060A              |
| 7199                                                         | 3060A              |
| 9056A Halogens/Halides                                       | 5050               |
| 300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions | DI extraction      |

For analytical methods not listed, the preparation method is the same as the analytical method reference.



## Sample Results

**ALS Environmental—Rochester Laboratory**

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

[www.alsglobal.com](http://www.alsglobal.com)



## Volatile Organic Compounds by GC/MS

**ALS Environmental—Rochester Laboratory**

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

[www.alsglobal.com](http://www.alsglobal.com)



**ALS Group USA, Corp.**  
dba ALS Environmental

Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/16/18 12:55  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-3-041618-1255  
**Lab Code:** R1803433-001

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result     | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|------------|-----|------|----------------|---|
| Acetone                     | ND U       | 25  | 2.5  | 04/24/18 00:01 |   |
| Benzene                     | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| Bromodichloromethane        | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| Bromoform                   | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| Bromomethane                | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| 2-Butanone (MEK)            | ND U       | 25  | 2.5  | 04/24/18 00:01 |   |
| Carbon Disulfide            | ND U       | 25  | 2.5  | 04/24/18 00:01 |   |
| Carbon Tetrachloride        | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| Chlorobenzene               | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| Chloroethane                | <b>410</b> | 13  | 2.5  | 04/24/18 00:01 |   |
| Chloroform                  | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| Chloromethane               | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| Dibromochloromethane        | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| 1,1-Dichloroethane          | <b>72</b>  | 13  | 2.5  | 04/24/18 00:01 |   |
| 1,2-Dichloroethane          | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| 1,1-Dichloroethene          | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| cis-1,2-Dichloroethene      | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| trans-1,2-Dichloroethene    | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| 1,2-Dichloropropane         | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| cis-1,3-Dichloropropene     | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| trans-1,3-Dichloropropene   | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| Ethylbenzene                | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| 2-Hexanone                  | ND U       | 25  | 2.5  | 04/24/18 00:01 |   |
| Methylene Chloride          | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U       | 25  | 2.5  | 04/24/18 00:01 |   |
| Styrene                     | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| 1,1,2,2-Tetrachloroethane   | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| Tetrachloroethene           | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| Toluene                     | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| 1,1,1-Trichloroethane       | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| 1,1,2-Trichloroethane       | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| Trichloroethene             | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| Vinyl Chloride              | <b>29</b>  | 13  | 2.5  | 04/24/18 00:01 |   |
| o-Xylene                    | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |
| m,p-Xylenes                 | ND U       | 13  | 2.5  | 04/24/18 00:01 |   |

ALS Group USA, Corp.  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/16/18 12:55  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-3-041618-1255  
**Lab Code:** R1803433-001

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 87    | 85 - 122       | 04/24/18 00:01 |   |
| Toluene-d8           | 94    | 87 - 121       | 04/24/18 00:01 |   |
| Dibromofluoromethane | 92    | 89 - 119       | 04/24/18 00:01 |   |

**ALS Group USA, Corp.**  
dba ALS Environmental

Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/16/18 12:50  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-502-041618-1250  
**Lab Code:** R1803433-003

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | 11     | 10  | 1    | 04/25/18 13:12 |   |
| Benzene                     | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 04/25/18 13:12 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 04/25/18 13:12 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 04/25/18 13:12 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 04/25/18 13:12 |   |
| Styrene                     | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| Toluene                     | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 04/25/18 13:12 |   |

ALS Group USA, Corp.  
dba ALS Environmental

Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/16/18 12:50  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-502-041618-1250  
**Lab Code:** R1803433-003

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 89    | 85 - 122       | 04/25/18 13:12 |   |
| Toluene-d8           | 95    | 87 - 121       | 04/25/18 13:12 |   |
| Dibromofluoromethane | 91    | 89 - 119       | 04/25/18 13:12 |   |

**ALS Group USA, Corp.**  
dba ALS Environmental

Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/20/18 12:45  
**Date Received:** 04/20/18 13:50

**Sample Name:** OWS-302-042018-1245  
**Lab Code:** R1803433-004

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result       | MRL  | Dil. | Date Analyzed  | Q |
|-----------------------------|--------------|------|------|----------------|---|
| Acetone                     | ND U         | 1000 | 100  | 04/24/18 15:35 |   |
| Benzene                     | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| Bromodichloromethane        | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| Bromoform                   | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| Bromomethane                | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| 2-Butanone (MEK)            | ND U         | 1000 | 100  | 04/24/18 15:35 |   |
| Carbon Disulfide            | ND U         | 1000 | 100  | 04/24/18 15:35 |   |
| Carbon Tetrachloride        | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| Chlorobenzene               | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| Chloroethane                | <b>20000</b> | 500  | 100  | 04/24/18 15:35 |   |
| Chloroform                  | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| Chloromethane               | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| Dibromochloromethane        | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| 1,1-Dichloroethane          | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| 1,2-Dichloroethane          | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| 1,1-Dichloroethene          | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| cis-1,2-Dichloroethene      | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| trans-1,2-Dichloroethene    | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| 1,2-Dichloropropane         | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| cis-1,3-Dichloropropene     | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| trans-1,3-Dichloropropene   | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| Ethylbenzene                | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| 2-Hexanone                  | ND U         | 1000 | 100  | 04/24/18 15:35 |   |
| Methylene Chloride          | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U         | 1000 | 100  | 04/24/18 15:35 |   |
| Styrene                     | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| 1,1,2,2-Tetrachloroethane   | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| Tetrachloroethene           | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| Toluene                     | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| 1,1,1-Trichloroethane       | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| 1,1,2-Trichloroethane       | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| Trichloroethene             | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| Vinyl Chloride              | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| o-Xylene                    | ND U         | 500  | 100  | 04/24/18 15:35 |   |
| m,p-Xylenes                 | ND U         | 500  | 100  | 04/24/18 15:35 |   |

ALS Group USA, Corp.  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/20/18 12:45  
**Date Received:** 04/20/18 13:50

**Sample Name:** OWS-302-042018-1245  
**Lab Code:** R1803433-004

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 86    | 85 - 122       | 04/24/18 15:35 |   |
| Toluene-d8           | 92    | 87 - 121       | 04/24/18 15:35 |   |
| Dibromofluoromethane | 90    | 89 - 119       | 04/24/18 15:35 |   |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/16/18 17:10  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-205-041618-1710  
**Lab Code:** R1803433-005

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result        | MRL   | Dil. | Date Analyzed  | Q |
|-----------------------------|---------------|-------|------|----------------|---|
| Acetone                     | ND U          | 20000 | 2000 | 04/24/18 00:45 |   |
| Benzene                     | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| Bromodichloromethane        | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| Bromoform                   | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| Bromomethane                | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| 2-Butanone (MEK)            | ND U          | 20000 | 2000 | 04/24/18 00:45 |   |
| Carbon Disulfide            | ND U          | 20000 | 2000 | 04/24/18 00:45 |   |
| Carbon Tetrachloride        | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| Chlorobenzene               | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| Chloroethane                | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| Chloroform                  | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| Chloromethane               | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| Dibromochloromethane        | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| 1,1-Dichloroethane          | <b>210000</b> | 10000 | 2000 | 04/24/18 00:45 |   |
| 1,2-Dichloroethane          | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| 1,1-Dichloroethene          | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| cis-1,2-Dichloroethene      | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| trans-1,2-Dichloroethene    | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| 1,2-Dichloropropane         | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| cis-1,3-Dichloropropene     | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| trans-1,3-Dichloropropene   | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| Ethylbenzene                | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| 2-Hexanone                  | ND U          | 20000 | 2000 | 04/24/18 00:45 |   |
| Methylene Chloride          | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U          | 20000 | 2000 | 04/24/18 00:45 |   |
| Styrene                     | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| 1,1,2,2-Tetrachloroethane   | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| Tetrachloroethene           | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| Toluene                     | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| 1,1,1-Trichloroethane       | <b>44000</b>  | 10000 | 2000 | 04/24/18 00:45 |   |
| 1,1,2-Trichloroethane       | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| Trichloroethene             | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| Vinyl Chloride              | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| o-Xylene                    | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |
| m,p-Xylenes                 | ND U          | 10000 | 2000 | 04/24/18 00:45 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/16/18 17:10  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-205-041618-1710  
**Lab Code:** R1803433-005

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 87    | 85 - 122       | 04/24/18 00:45 |   |
| Toluene-d8           | 94    | 87 - 121       | 04/24/18 00:45 |   |
| Dibromofluoromethane | 91    | 89 - 119       | 04/24/18 00:45 |   |



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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18 09:50  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-501-041718-0950  
**Lab Code:** R1803433-007

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result     | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|------------|-----|------|----------------|---|
| Acetone                     | ND U       | 100 | 10   | 04/24/18 01:08 |   |
| Benzene                     | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| Bromodichloromethane        | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| Bromoform                   | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| Bromomethane                | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| 2-Butanone (MEK)            | ND U       | 100 | 10   | 04/24/18 01:08 |   |
| Carbon Disulfide            | ND U       | 100 | 10   | 04/24/18 01:08 |   |
| Carbon Tetrachloride        | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| Chlorobenzene               | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| Chloroethane                | <b>710</b> | 50  | 10   | 04/24/18 01:08 |   |
| Chloroform                  | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| Chloromethane               | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| Dibromochloromethane        | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| 1,1-Dichloroethane          | <b>110</b> | 50  | 10   | 04/24/18 01:08 |   |
| 1,2-Dichloroethane          | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| 1,1-Dichloroethene          | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| cis-1,2-Dichloroethene      | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| trans-1,2-Dichloroethene    | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| 1,2-Dichloropropane         | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| cis-1,3-Dichloropropene     | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| trans-1,3-Dichloropropene   | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| Ethylbenzene                | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| 2-Hexanone                  | ND U       | 100 | 10   | 04/24/18 01:08 |   |
| Methylene Chloride          | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U       | 100 | 10   | 04/24/18 01:08 |   |
| Styrene                     | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| 1,1,2,2-Tetrachloroethane   | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| Tetrachloroethene           | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| Toluene                     | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| 1,1,1-Trichloroethane       | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| 1,1,2-Trichloroethane       | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| Trichloroethene             | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| Vinyl Chloride              | <b>57</b>  | 50  | 10   | 04/24/18 01:08 |   |
| o-Xylene                    | ND U       | 50  | 10   | 04/24/18 01:08 |   |
| m,p-Xylenes                 | ND U       | 50  | 10   | 04/24/18 01:08 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18 09:50  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-501-041718-0950  
**Lab Code:** R1803433-007

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 87    | 85 - 122       | 04/24/18 01:08 |   |
| Toluene-d8           | 94    | 87 - 121       | 04/24/18 01:08 |   |
| Dibromofluoromethane | 92    | 89 - 119       | 04/24/18 01:08 |   |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18 11:20  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-202-041718-1120  
**Lab Code:** R1803433-008

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 04/24/18 01:30 |   |
| Benzene                     | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 04/24/18 01:30 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 04/24/18 01:30 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| 1,1-Dichloroethane          | 59     | 5.0 | 1    | 04/24/18 01:30 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| 1,1-Dichloroethene          | 63     | 5.0 | 1    | 04/24/18 01:30 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 04/24/18 01:30 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 04/24/18 01:30 |   |
| Styrene                     | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| Toluene                     | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 04/24/18 01:30 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18 11:20  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-202-041718-1120  
**Lab Code:** R1803433-008

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 85    | 85 - 122       | 04/24/18 01:30 |   |
| Toluene-d8           | 92    | 87 - 121       | 04/24/18 01:30 |   |
| Dibromofluoromethane | 91    | 89 - 119       | 04/24/18 01:30 |   |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18 14:25  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-204-041718-1425  
**Lab Code:** R1803433-010

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 04/24/18 01:52 |   |
| Benzene                     | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 04/24/18 01:52 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 04/24/18 01:52 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 04/24/18 01:52 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 04/24/18 01:52 |   |
| Styrene                     | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| Toluene                     | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 04/24/18 01:52 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18 14:25  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-204-041718-1425  
**Lab Code:** R1803433-010

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 86    | 85 - 122       | 04/24/18 01:52 |   |
| Toluene-d8           | 94    | 87 - 121       | 04/24/18 01:52 |   |
| Dibromofluoromethane | 90    | 89 - 119       | 04/24/18 01:52 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18 15:40  
**Date Received:** 04/17/18 18:20

**Sample Name:** OW-306-041718-1540  
**Lab Code:** R1803433-011

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 04/24/18 02:14 |   |
| Benzene                     | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 04/24/18 02:14 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 04/24/18 02:14 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 04/24/18 02:14 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 04/24/18 02:14 |   |
| Styrene                     | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| Toluene                     | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 04/24/18 02:14 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18 15:40  
**Date Received:** 04/17/18 18:20

**Sample Name:** OW-306-041718-1540  
**Lab Code:** R1803433-011

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 87    | 85 - 122       | 04/24/18 02:14 |   |
| Toluene-d8           | 93    | 87 - 121       | 04/24/18 02:14 |   |
| Dibromofluoromethane | 90    | 89 - 119       | 04/24/18 02:14 |   |



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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18 17:05  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-203-041718-1705  
**Lab Code:** R1803433-012

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 04/24/18 02:37 |   |
| Benzene                     | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 04/24/18 02:37 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 04/24/18 02:37 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 04/24/18 02:37 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 04/24/18 02:37 |   |
| Styrene                     | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| Toluene                     | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 04/24/18 02:37 |   |

ALS Group USA, Corp.  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18 17:05  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-203-041718-1705  
**Lab Code:** R1803433-012

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 87    | 85 - 122       | 04/24/18 02:37 |   |
| Toluene-d8           | 93    | 87 - 121       | 04/24/18 02:37 |   |
| Dibromofluoromethane | 90    | 89 - 119       | 04/24/18 02:37 |   |

**ALS Group USA, Corp.**  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/15/18  
**Date Received:** 04/17/18 18:20

**Sample Name:** Trip Blank  
**Lab Code:** R1803433-013

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 04/23/18 23:39 |   |
| Benzene                     | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 04/23/18 23:39 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 04/23/18 23:39 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 04/23/18 23:39 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 04/23/18 23:39 |   |
| Styrene                     | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| Toluene                     | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 04/23/18 23:39 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/15/18  
**Date Received:** 04/17/18 18:20

**Sample Name:** Trip Blank  
**Lab Code:** R1803433-013

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 86    | 85 - 122       | 04/23/18 23:39 |   |
| Toluene-d8           | 94    | 87 - 121       | 04/23/18 23:39 |   |
| Dibromofluoromethane | 91    | 89 - 119       | 04/23/18 23:39 |   |



## Volatile Organic Compounds by GC

**ALS Environmental—Rochester Laboratory**

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/16/18 12:55  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-3-041618-1255  
**Lab Code:** R1803433-001

**Units:** ug/L  
**Basis:** NA

Dissolved Gases by GC/FID

**Analysis Method:** RSK 175

| Analyte Name | Result | MRL | Dil. | Date Analyzed  | Q |
|--------------|--------|-----|------|----------------|---|
| Ethane       | ND U   | 52  | 50   | 04/19/18 13:00 |   |
| Ethylene     | ND U   | 50  | 50   | 04/19/18 13:00 |   |
| Methane      | 2000   | 53  | 50   | 04/19/18 13:00 |   |
| Propane      | ND U   | 51  | 50   | 04/19/18 13:00 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/16/18 17:10  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-205-041618-1710  
**Lab Code:** R1803433-005

**Units:** ug/L  
**Basis:** NA

Dissolved Gases by GC/FID

**Analysis Method:** RSK 175

| Analyte Name | Result | MRL | Dil. | Date Analyzed  | Q |
|--------------|--------|-----|------|----------------|---|
| Ethane       | ND U   | 100 | 100  | 04/19/18 13:11 |   |
| Ethylene     | ND U   | 100 | 100  | 04/19/18 13:11 |   |
| Methane      | 6000   | 110 | 100  | 04/19/18 13:11 |   |
| Propane      | ND U   | 100 | 100  | 04/19/18 13:11 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18 11:20  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-202-041718-1120  
**Lab Code:** R1803433-008

**Units:** ug/L  
**Basis:** NA

Dissolved Gases by GC/FID

**Analysis Method:** RSK 175

| Analyte Name | Result | MRL | Dil. | Date Analyzed  | Q |
|--------------|--------|-----|------|----------------|---|
| Ethane       | ND U   | 1.0 | 1    | 04/19/18 13:22 |   |
| Ethylene     | ND U   | 1.0 | 1    | 04/19/18 13:22 |   |
| Methane      | ND U   | 1.1 | 1    | 04/19/18 13:22 |   |
| Propane      | ND U   | 1.0 | 1    | 04/19/18 13:22 |   |





## Semivolatile Organic Compounds by GC

**ALS Environmental—Rochester Laboratory**

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/16/18 17:10  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-205-041618-1710  
**Lab Code:** R1803433-005

**Units:** mg/L  
**Basis:** NA

**Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC) 28 Day Hold Time**

**Analysis Method:** Organic Acids

| Analyte Name                 | Result | MRL | Dil. | Date Analyzed  | Q |
|------------------------------|--------|-----|------|----------------|---|
| Pyruvic Acid                 | ND U   | 10  | 20   | 04/25/18 12:35 |   |
| Acetic Acid                  | 1300   | 20  | 20   | 04/25/18 12:35 |   |
| Butanoic Acid (Butyric Acid) | 2900   | 40  | 20   | 04/25/18 12:35 |   |
| Lactic Acid                  | ND U   | 20  | 20   | 04/25/18 12:35 |   |
| Propionic Acid               | 910    | 20  | 20   | 04/25/18 12:35 |   |

ALS Group USA, Corp.  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18 11:20  
**Date Received:** 04/17/18 18:20

**Sample Name:** MW-202-041718-1120  
**Lab Code:** R1803433-008

**Units:** mg/L  
**Basis:** NA

**Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC) 28 Day Hold Time**

**Analysis Method:** Organic Acids

| Analyte Name                 | Result | MRL  | Dil. | Date Analyzed  | Q |
|------------------------------|--------|------|------|----------------|---|
| Pyruvic Acid                 | ND U   | 0.50 | 1    | 04/24/18 23:53 |   |
| Acetic Acid                  | ND U   | 1.0  | 1    | 04/24/18 23:53 |   |
| Butanoic Acid (Butyric Acid) | ND U   | 2.0  | 1    | 04/24/18 23:53 |   |
| Lactic Acid                  | ND U   | 1.0  | 1    | 04/24/18 23:53 |   |
| Propionic Acid               | ND U   | 1.0  | 1    | 04/24/18 23:53 |   |



## Metals

**ALS Environmental—Rochester Laboratory**

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** MW-3-041618-1255  
**Lab Code:** R1803433-001

**Service Request:** R1803433  
**Date Collected:** 04/16/18 12:55  
**Date Received:** 04/17/18 18:20  
  
**Basis:** NA

Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|--------------|-----------------|--------|-------|-----|------|----------------|----------------|---|
| Iron, Total  | 6010C           | 38000  | ug/L  | 100 | 1    | 04/20/18 22:04 | 04/19/18       |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** MW-3-041618-1255 Diss  
**Lab Code:** R1803433-002

**Service Request:** R1803433  
**Date Collected:** 04/16/18 12:55  
**Date Received:** 04/17/18 18:20  
  
**Basis:** NA

Inorganic Parameters

| Analyte Name    | Analysis Method | Result | Units | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|-----------------|-----------------|--------|-------|-----|------|----------------|----------------|---|
| Iron, Dissolved | 6010C           | ND U   | ug/L  | 100 | 1    | 04/20/18 22:07 | 04/19/18       |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** MW-205-041618-1710  
**Lab Code:** R1803433-005

**Service Request:** R1803433  
**Date Collected:** 04/16/18 17:10  
**Date Received:** 04/17/18 18:20  
  
**Basis:** NA

Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL  | Dil. | Date Analyzed  | Date Extracted | Q |
|--------------|-----------------|--------|-------|------|------|----------------|----------------|---|
| Iron, Total  | 6010C           | 107000 | ug/L  | 1000 | 10   | 04/23/18 14:14 | 04/19/18       |   |

ALS Group USA, Corp.  
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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** MW-205-041618-1710 Diss  
**Lab Code:** R1803433-006

**Service Request:** R1803433  
**Date Collected:** 04/16/18 17:10  
**Date Received:** 04/17/18 18:20  
  
**Basis:** NA

Inorganic Parameters

| Analyte Name    | Analysis Method | Result | Units | MRL  | Dil. | Date Analyzed  | Date Extracted | Q |
|-----------------|-----------------|--------|-------|------|------|----------------|----------------|---|
| Iron, Dissolved | 6010C           | 106000 | ug/L  | 1000 | 10   | 04/23/18 14:17 | 04/19/18       |   |



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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** MW-202-041718-1120  
**Lab Code:** R1803433-008

**Service Request:** R1803433  
**Date Collected:** 04/17/18 11:20  
**Date Received:** 04/17/18 18:20  
  
**Basis:** NA

Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|--------------|-----------------|--------|-------|-----|------|----------------|----------------|---|
| Iron, Total  | 6010C           | ND U   | ug/L  | 100 | 1    | 04/20/18 22:24 | 04/19/18       |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** MW-202-041718-1120 Diss  
**Lab Code:** R1803433-009

**Service Request:** R1803433  
**Date Collected:** 04/17/18 11:20  
**Date Received:** 04/17/18 18:20  
  
**Basis:** NA

Inorganic Parameters

| Analyte Name    | Analysis Method | Result | Units | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|-----------------|-----------------|--------|-------|-----|------|----------------|----------------|---|
| Iron, Dissolved | 6010C           | 140    | ug/L  | 100 | 1    | 04/20/18 22:27 | 04/19/18       |   |



## General Chemistry

**ALS Environmental—Rochester Laboratory**

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** MW-3-041618-1255  
**Lab Code:** R1803433-001

**Service Request:** R1803433  
**Date Collected:** 04/16/18 12:55  
**Date Received:** 04/17/18 18:20  
  
**Basis:** NA

Inorganic Parameters

| Analyte Name               | Analysis Method      | Result | Units | MRL | Dil. | Date Analyzed  | Date<br>Extracted | Q |
|----------------------------|----------------------|--------|-------|-----|------|----------------|-------------------|---|
| Alkalinity, Total as CaCO3 | SM 2320 B-1997(2011) | 216    | mg/L  | 2.0 | 1    | 04/22/18 18:13 | NA                |   |
| Chloride                   | 9056A                | 435    | mg/L  | 20  | 100  | 04/18/18 11:45 | NA                |   |
| Nitrate as Nitrogen        | 9056A                | ND U   | mg/L  | 1.0 | 10   | 04/18/18 09:36 | NA                |   |
| Nitrite as Nitrogen        | 9056A                | ND U   | mg/L  | 1.0 | 10   | 04/18/18 09:36 | NA                |   |
| Sulfate                    | 9056A                | 23.1   | mg/L  | 2.0 | 10   | 04/18/18 09:36 | NA                |   |
| Sulfide, Acid-Soluble      | 9034                 | ND U   | mg/L  | 1.0 | 1    | 04/19/18 09:30 | 04/19/18          |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** MW-205-041618-1710  
**Lab Code:** R1803433-005

**Service Request:** R1803433  
**Date Collected:** 04/16/18 17:10  
**Date Received:** 04/17/18 18:20  
  
**Basis:** NA

Inorganic Parameters

| Analyte Name               | Analysis Method      | Result | Units | MRL | Dil. | Date Analyzed  | Date<br>Extracted | Q |
|----------------------------|----------------------|--------|-------|-----|------|----------------|-------------------|---|
| Alkalinity, Total as CaCO3 | SM 2320 B-1997(2011) | 3450   | mg/L  | 2.0 | 1    | 04/22/18 18:35 | NA                |   |
| Chloride                   | 9056A                | 732    | mg/L  | 20  | 100  | 04/18/18 11:51 | NA                |   |
| Nitrate as Nitrogen        | 9056A                | ND U   | mg/L  | 1.0 | 10   | 04/18/18 09:42 | NA                |   |
| Nitrite as Nitrogen        | 9056A                | ND U   | mg/L  | 1.0 | 10   | 04/18/18 09:42 | NA                |   |
| Sulfate                    | 9056A                | ND U   | mg/L  | 2.0 | 10   | 04/18/18 09:42 | NA                |   |
| Sulfide, Acid-Soluble      | 9034                 | ND U   | mg/L  | 1.0 | 1    | 04/19/18 09:30 | 04/19/18          |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water  
**Sample Name:** MW-202-041718-1120  
**Lab Code:** R1803433-008

**Service Request:** R1803433  
**Date Collected:** 04/17/18 11:20  
**Date Received:** 04/17/18 18:20  
**Basis:** NA

Inorganic Parameters

| Analyte Name                | Analysis Method      | Result | Units | MRL | Dil. | Date Analyzed  | Date<br>Extracted | Q |
|-----------------------------|----------------------|--------|-------|-----|------|----------------|-------------------|---|
| Alkalinity, Total as CaCO3  | SM 2320 B-1997(2011) | 166    | mg/L  | 2.0 | 1    | 04/22/18 18:41 | NA                |   |
| Carbon, Total Organic (TOC) | SM 5310 C-2000(2011) | ND U   | mg/L  | 1.0 | 1    | 04/20/18 06:46 | NA                |   |
| Chloride                    | 9056A                | 3290   | mg/L  | 200 | 1000 | 04/18/18 11:58 | NA                |   |
| Nitrate as Nitrogen         | 9056A                | 1.9    | mg/L  | 1.0 | 10   | 04/18/18 09:49 | NA                |   |
| Nitrite as Nitrogen         | 9056A                | ND U   | mg/L  | 1.0 | 10   | 04/18/18 09:49 | NA                |   |
| Sulfate                     | 9056A                | 311    | mg/L  | 8.0 | 40   | 04/18/18 12:24 | NA                |   |
| Sulfide, Acid-Soluble       | 9034                 | ND U   | mg/L  | 1.0 | 1    | 04/19/18 09:30 | 04/19/18          |   |



## QC Summary Forms

**ALS Environmental—Rochester Laboratory**

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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## Volatile Organic Compounds by GC/MS

**ALS Environmental—Rochester Laboratory**

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433

**SURROGATE RECOVERY SUMMARY**  
**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Extraction Method:** EPA 5030C

| Sample Name         | Lab Code     | 4-Bromofluorobenzene | Dibromofluoromethane | Toluene-d8 |
|---------------------|--------------|----------------------|----------------------|------------|
|                     |              | 85 - 122             | 89 - 119             | 87 - 121   |
| MW-3-041618-1255    | R1803433-001 | 87                   | 92                   | 94         |
| MW-502-041618-1250  | R1803433-003 | 89                   | 91                   | 95         |
| OWS-302-042018-1245 | R1803433-004 | 86                   | 90                   | 92         |
| MW-205-041618-1710  | R1803433-005 | 87                   | 91                   | 94         |
| MW-501-041718-0950  | R1803433-007 | 87                   | 92                   | 94         |
| MW-202-041718-1120  | R1803433-008 | 85                   | 91                   | 92         |
| MW-204-041718-1425  | R1803433-010 | 86                   | 90                   | 94         |
| OW-306-041718-1540  | R1803433-011 | 87                   | 90                   | 93         |
| MW-203-041718-1705  | R1803433-012 | 87                   | 90                   | 93         |
| Trip Blank          | R1803433-013 | 86                   | 91                   | 94         |
| Lab Control Sample  | RQ1803928-03 | 89                   | 93                   | 93         |
| Method Blank        | RQ1803928-04 | 85                   | 90                   | 91         |
| Lab Control Sample  | RQ1803975-03 | 92                   | 95                   | 95         |
| Method Blank        | RQ1803975-05 | 85                   | 91                   | 93         |
| Lab Control Sample  | RQ1803995-04 | 91                   | 96                   | 95         |
| Method Blank        | RQ1803995-05 | 89                   | 92                   | 95         |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1803928-04

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 04/23/18 23:16 |   |
| Benzene                     | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 04/23/18 23:16 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 04/23/18 23:16 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 04/23/18 23:16 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 04/23/18 23:16 |   |
| Styrene                     | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| Toluene                     | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 04/23/18 23:16 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1803928-04

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 85    | 85 - 122       | 04/23/18 23:16 |   |
| Toluene-d8           | 91    | 87 - 121       | 04/23/18 23:16 |   |
| Dibromofluoromethane | 90    | 89 - 119       | 04/23/18 23:16 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1803975-05

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 04/24/18 13:34 |   |
| Benzene                     | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 04/24/18 13:34 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 04/24/18 13:34 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 04/24/18 13:34 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 04/24/18 13:34 |   |
| Styrene                     | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| Toluene                     | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 04/24/18 13:34 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1803975-05

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 85    | 85 - 122       | 04/24/18 13:34 |   |
| Toluene-d8           | 93    | 87 - 121       | 04/24/18 13:34 |   |
| Dibromofluoromethane | 91    | 89 - 119       | 04/24/18 13:34 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1803995-05

**Units:** ug/L  
**Basis:** NA

**Volatile Organic Compounds by GC/MS**

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Analyte Name                | Result | MRL | Dil. | Date Analyzed  | Q |
|-----------------------------|--------|-----|------|----------------|---|
| Acetone                     | ND U   | 10  | 1    | 04/25/18 12:34 |   |
| Benzene                     | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| Bromodichloromethane        | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| Bromoform                   | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| Bromomethane                | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| 2-Butanone (MEK)            | ND U   | 10  | 1    | 04/25/18 12:34 |   |
| Carbon Disulfide            | ND U   | 10  | 1    | 04/25/18 12:34 |   |
| Carbon Tetrachloride        | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| Chlorobenzene               | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| Chloroethane                | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| Chloroform                  | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| Chloromethane               | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| Dibromochloromethane        | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| 1,1-Dichloroethane          | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| 1,2-Dichloroethane          | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| 1,1-Dichloroethene          | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| cis-1,2-Dichloroethene      | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| trans-1,2-Dichloroethene    | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| 1,2-Dichloropropane         | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| cis-1,3-Dichloropropene     | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| trans-1,3-Dichloropropene   | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| Ethylbenzene                | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| 2-Hexanone                  | ND U   | 10  | 1    | 04/25/18 12:34 |   |
| Methylene Chloride          | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| 4-Methyl-2-pentanone (MIBK) | ND U   | 10  | 1    | 04/25/18 12:34 |   |
| Styrene                     | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| 1,1,2,2-Tetrachloroethane   | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| Tetrachloroethene           | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| Toluene                     | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| 1,1,1-Trichloroethane       | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| 1,1,2-Trichloroethane       | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| Trichloroethene             | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| Vinyl Chloride              | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| o-Xylene                    | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |
| m,p-Xylenes                 | ND U   | 5.0 | 1    | 04/25/18 12:34 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1803995-05

**Units:** ug/L  
**Basis:** NA

Volatile Organic Compounds by GC/MS

**Analysis Method:** 8260C  
**Prep Method:** EPA 5030C

| Surrogate Name       | % Rec | Control Limits | Date Analyzed  | Q |
|----------------------|-------|----------------|----------------|---|
| 4-Bromofluorobenzene | 89    | 85 - 122       | 04/25/18 12:34 |   |
| Toluene-d8           | 95    | 87 - 121       | 04/25/18 12:34 |   |
| Dibromofluoromethane | 92    | 89 - 119       | 04/25/18 12:34 |   |

**ALS Group USA, Corp.**  
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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Analyzed:** 04/23/18

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/L  
**Basis:**NA

**Lab Control Sample**  
RQ1803928-03

| Analyte Name                | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|-----------------------------|-------------------|--------|--------------|-------|--------------|
| Acetone                     | 8260C             | 17.2   | 20.0         | 86    | 40-161       |
| Benzene                     | 8260C             | 21.8   | 20.0         | 109   | 76-118       |
| Bromodichloromethane        | 8260C             | 20.1   | 20.0         | 100   | 78-126       |
| Bromoform                   | 8260C             | 20.3   | 20.0         | 101   | 71-136       |
| Bromomethane                | 8260C             | 14.0   | 20.0         | 70    | 42-166       |
| 2-Butanone (MEK)            | 8260C             | 20.5   | 20.0         | 102   | 61-137       |
| Carbon Disulfide            | 8260C             | 17.5   | 20.0         | 87    | 65-127       |
| Carbon Tetrachloride        | 8260C             | 20.7   | 20.0         | 103   | 68-125       |
| Chlorobenzene               | 8260C             | 20.6   | 20.0         | 103   | 80-121       |
| Chloroethane                | 8260C             | 19.2   | 20.0         | 96    | 70-127       |
| Chloroform                  | 8260C             | 21.9   | 20.0         | 110   | 76-120       |
| Chloromethane               | 8260C             | 21.7   | 20.0         | 108   | 69-145       |
| Dibromochloromethane        | 8260C             | 21.9   | 20.0         | 110   | 77-128       |
| 1,1-Dichloroethane          | 8260C             | 22.7   | 20.0         | 114   | 78-117       |
| 1,2-Dichloroethane          | 8260C             | 21.3   | 20.0         | 106   | 71-127       |
| 1,1-Dichloroethene          | 8260C             | 21.9   | 20.0         | 109   | 74-135       |
| cis-1,2-Dichloroethene      | 8260C             | 21.6   | 20.0         | 108   | 80-121       |
| trans-1,2-Dichloroethene    | 8260C             | 21.8   | 20.0         | 109   | 80-120       |
| 1,2-Dichloropropane         | 8260C             | 22.2   | 20.0         | 111   | 80-119       |
| cis-1,3-Dichloropropene     | 8260C             | 20.7   | 20.0         | 103   | 74-126       |
| trans-1,3-Dichloropropene   | 8260C             | 21.1   | 20.0         | 106   | 67-135       |
| Ethylbenzene                | 8260C             | 22.0   | 20.0         | 110   | 76-120       |
| 2-Hexanone                  | 8260C             | 21.0   | 20.0         | 105   | 63-124       |
| Methylene Chloride          | 8260C             | 20.7   | 20.0         | 103   | 73-122       |
| 4-Methyl-2-pentanone (MIBK) | 8260C             | 21.4   | 20.0         | 107   | 66-124       |
| Styrene                     | 8260C             | 22.3   | 20.0         | 111   | 80-124       |
| 1,1,2,2-Tetrachloroethane   | 8260C             | 24.7   | 20.0         | 123 * | 78-122       |
| Tetrachloroethene           | 8260C             | 21.0   | 20.0         | 105   | 78-124       |
| Toluene                     | 8260C             | 21.7   | 20.0         | 108   | 77-120       |
| 1,1,1-Trichloroethane       | 8260C             | 21.7   | 20.0         | 108   | 74-120       |
| 1,1,2-Trichloroethane       | 8260C             | 22.5   | 20.0         | 112   | 82-118       |
| Trichloroethene             | 8260C             | 20.1   | 20.0         | 100   | 78-123       |
| Vinyl Chloride              | 8260C             | 23.1   | 20.0         | 115   | 69-133       |



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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Analyzed:** 04/23/18

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/L**Basis:**NA**Lab Control Sample**

RQ1803928-03

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|--------------|-------------------|--------|--------------|-------|--------------|
| o-Xylene     | 8260C             | 21.7   | 20.0         | 108   | 80-120       |
| m,p-Xylenes  | 8260C             | 42.7   | 40.0         | 107   | 78-123       |

**ALS Group USA, Corp.**  
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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Analyzed:** 04/24/18

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/L  
**Basis:**NA

**Lab Control Sample**  
RQ1803975-03

| Analyte Name                | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|-----------------------------|-------------------|--------|--------------|-------|--------------|
| Acetone                     | 8260C             | 16.7   | 20.0         | 83    | 40-161       |
| Benzene                     | 8260C             | 21.6   | 20.0         | 108   | 76-118       |
| Bromodichloromethane        | 8260C             | 20.0   | 20.0         | 100   | 78-126       |
| Bromoform                   | 8260C             | 20.4   | 20.0         | 102   | 71-136       |
| Bromomethane                | 8260C             | 13.2   | 20.0         | 66    | 42-166       |
| 2-Butanone (MEK)            | 8260C             | 21.2   | 20.0         | 106   | 61-137       |
| Carbon Disulfide            | 8260C             | 18.9   | 20.0         | 94    | 65-127       |
| Carbon Tetrachloride        | 8260C             | 20.4   | 20.0         | 102   | 68-125       |
| Chlorobenzene               | 8260C             | 20.4   | 20.0         | 102   | 80-121       |
| Chloroethane                | 8260C             | 18.3   | 20.0         | 91    | 70-127       |
| Chloroform                  | 8260C             | 21.1   | 20.0         | 106   | 76-120       |
| Chloromethane               | 8260C             | 20.9   | 20.0         | 104   | 69-145       |
| Dibromochloromethane        | 8260C             | 21.2   | 20.0         | 106   | 77-128       |
| 1,1-Dichloroethane          | 8260C             | 21.6   | 20.0         | 108   | 78-117       |
| 1,2-Dichloroethane          | 8260C             | 20.8   | 20.0         | 104   | 71-127       |
| 1,1-Dichloroethene          | 8260C             | 21.2   | 20.0         | 106   | 74-135       |
| cis-1,2-Dichloroethene      | 8260C             | 20.9   | 20.0         | 104   | 80-121       |
| trans-1,2-Dichloroethene    | 8260C             | 21.3   | 20.0         | 106   | 80-120       |
| 1,2-Dichloropropane         | 8260C             | 21.6   | 20.0         | 108   | 80-119       |
| cis-1,3-Dichloropropene     | 8260C             | 20.9   | 20.0         | 104   | 74-126       |
| trans-1,3-Dichloropropene   | 8260C             | 21.1   | 20.0         | 105   | 67-135       |
| Ethylbenzene                | 8260C             | 21.8   | 20.0         | 109   | 76-120       |
| 2-Hexanone                  | 8260C             | 21.6   | 20.0         | 108   | 63-124       |
| Methylene Chloride          | 8260C             | 20.5   | 20.0         | 102   | 73-122       |
| 4-Methyl-2-pentanone (MIBK) | 8260C             | 22.4   | 20.0         | 112   | 66-124       |
| Styrene                     | 8260C             | 22.1   | 20.0         | 111   | 80-124       |
| 1,1,2,2-Tetrachloroethane   | 8260C             | 25.2   | 20.0         | 126 * | 78-122       |
| Tetrachloroethene           | 8260C             | 20.6   | 20.0         | 103   | 78-124       |
| Toluene                     | 8260C             | 21.3   | 20.0         | 106   | 77-120       |
| 1,1,1-Trichloroethane       | 8260C             | 20.3   | 20.0         | 101   | 74-120       |
| 1,1,2-Trichloroethane       | 8260C             | 21.8   | 20.0         | 109   | 82-118       |
| Trichloroethene             | 8260C             | 19.8   | 20.0         | 99    | 78-123       |
| Vinyl Chloride              | 8260C             | 22.5   | 20.0         | 113   | 69-133       |

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Analyzed:** 04/24/18

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/L**Basis:**NA**Lab Control Sample**

RQ1803975-03

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|--------------|-------------------|--------|--------------|-------|--------------|
| o-Xylene     | 8260C             | 21.3   | 20.0         | 106   | 80-120       |
| m,p-Xylenes  | 8260C             | 42.6   | 40.0         | 106   | 78-123       |

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Analyzed:** 04/25/18

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/L  
**Basis:**NA

**Lab Control Sample**  
RQ1803995-04

| Analyte Name                | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|-----------------------------|-------------------|--------|--------------|-------|--------------|
| Acetone                     | 8260C             | 17.1   | 20.0         | 86    | 40-161       |
| Benzene                     | 8260C             | 22.4   | 20.0         | 112   | 76-118       |
| Bromodichloromethane        | 8260C             | 20.7   | 20.0         | 103   | 78-126       |
| Bromoform                   | 8260C             | 20.6   | 20.0         | 103   | 71-136       |
| Bromomethane                | 8260C             | 14.5   | 20.0         | 72    | 42-166       |
| 2-Butanone (MEK)            | 8260C             | 21.1   | 20.0         | 106   | 61-137       |
| Carbon Disulfide            | 8260C             | 20.1   | 20.0         | 100   | 65-127       |
| Carbon Tetrachloride        | 8260C             | 22.7   | 20.0         | 113   | 68-125       |
| Chlorobenzene               | 8260C             | 21.6   | 20.0         | 108   | 80-121       |
| Chloroethane                | 8260C             | 19.5   | 20.0         | 97    | 70-127       |
| Chloroform                  | 8260C             | 22.2   | 20.0         | 111   | 76-120       |
| Chloromethane               | 8260C             | 22.7   | 20.0         | 113   | 69-145       |
| Dibromochloromethane        | 8260C             | 22.2   | 20.0         | 111   | 77-128       |
| 1,1-Dichloroethane          | 8260C             | 22.8   | 20.0         | 114   | 78-117       |
| 1,2-Dichloroethane          | 8260C             | 20.8   | 20.0         | 104   | 71-127       |
| 1,1-Dichloroethene          | 8260C             | 22.6   | 20.0         | 113   | 74-135       |
| cis-1,2-Dichloroethene      | 8260C             | 21.8   | 20.0         | 109   | 80-121       |
| trans-1,2-Dichloroethene    | 8260C             | 22.6   | 20.0         | 113   | 80-120       |
| 1,2-Dichloropropane         | 8260C             | 22.0   | 20.0         | 110   | 80-119       |
| cis-1,3-Dichloropropene     | 8260C             | 21.5   | 20.0         | 107   | 74-126       |
| trans-1,3-Dichloropropene   | 8260C             | 22.0   | 20.0         | 110   | 67-135       |
| Ethylbenzene                | 8260C             | 23.3   | 20.0         | 117   | 76-120       |
| 2-Hexanone                  | 8260C             | 21.8   | 20.0         | 109   | 63-124       |
| Methylene Chloride          | 8260C             | 21.0   | 20.0         | 105   | 73-122       |
| 4-Methyl-2-pentanone (MIBK) | 8260C             | 22.7   | 20.0         | 113   | 66-124       |
| Styrene                     | 8260C             | 22.9   | 20.0         | 115   | 80-124       |
| 1,1,2,2-Tetrachloroethane   | 8260C             | 26.6   | 20.0         | 133 * | 78-122       |
| Tetrachloroethene           | 8260C             | 22.4   | 20.0         | 112   | 78-124       |
| Toluene                     | 8260C             | 22.2   | 20.0         | 111   | 77-120       |
| 1,1,1-Trichloroethane       | 8260C             | 22.9   | 20.0         | 114   | 74-120       |
| 1,1,2-Trichloroethane       | 8260C             | 22.0   | 20.0         | 110   | 82-118       |
| Trichloroethene             | 8260C             | 20.3   | 20.0         | 101   | 78-123       |
| Vinyl Chloride              | 8260C             | 23.9   | 20.0         | 119   | 69-133       |

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Analyzed:** 04/25/18

**Lab Control Sample Summary**  
**Volatile Organic Compounds by GC/MS**

**Units:**ug/L**Basis:**NA**Lab Control Sample**

RQ1803995-04

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|--------------|-------------------|--------|--------------|-------|--------------|
| o-Xylene     | 8260C             | 22.8   | 20.0         | 114   | 80-120       |
| m,p-Xylenes  | 8260C             | 45.9   | 40.0         | 115   | 78-123       |



## Volatile Organic Compounds by GC

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1803606-01

**Units:** ug/L  
**Basis:** NA

Dissolved Gases by GC/FID

**Analysis Method:** RSK 175

| Analyte Name | Result | MRL | Dil. | Date Analyzed  | Q |
|--------------|--------|-----|------|----------------|---|
| Ethane       | ND U   | 1.0 | 1    | 04/19/18 11:33 |   |
| Ethylene     | ND U   | 1.0 | 1    | 04/19/18 11:33 |   |
| Methane      | ND U   | 1.1 | 1    | 04/19/18 11:33 |   |
| Propane      | ND U   | 1.0 | 1    | 04/19/18 11:33 |   |

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Analyzed:** 04/19/18

**Duplicate Lab Control Sample Summary**  
**Dissolved Gases by GC/FID**

**Units:**ug/L  
**Basis:**NA

| Lab Control Sample |                   |        |              |       | Duplicate Lab Control Sample |              |       |              |     |           |
|--------------------|-------------------|--------|--------------|-------|------------------------------|--------------|-------|--------------|-----|-----------|
| RQ1803606-02       |                   |        |              |       | RQ1803606-03                 |              |       |              |     |           |
| Analyte Name       | Analytical Method | Result | Spike Amount | % Rec | Result                       | Spike Amount | % Rec | % Rec Limits | RPD | RPD Limit |
| Ethane             | RSK 175           | 27.4   | 26.0         | 105   | 26.3                         | 26.0         | 101   | 75-118       | 4   | 20        |
| Ethylene           | RSK 175           | 20.9   | 24.3         | 86    | 21.6                         | 24.3         | 89    | 73-129       | 3   | 20        |
| Methane            | RSK 175           | 28.3   | 26.2         | 108   | 27.0                         | 26.2         | 103   | 65-126       | 5   | 20        |
| Propane            | RSK 175           | 27.6   | 25.4         | 109   | 26.3                         | 25.4         | 104   | 72-118       | 5   | 20        |





## Semivolatile Organic Compounds by GC

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18  
**Date Received:** 04/17/18  
**Date Analyzed:** 04/25/18

Duplicate Matrix Spike Summary

Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC) 28 Day Hold Time

**Sample Name:** MW-202-041718-1120  
**Lab Code:** R1803433-008  
**Analysis Method:** Organic Acids

**Units:** mg/L  
**Basis:** NA

| Analyte Name                 | Sample Result | Matrix Spike<br>RQ1803890-04 |              |       | Duplicate Matrix Spike<br>RQ1803890-05 |              |       | % Rec Limits | RPD | RPD Limit |
|------------------------------|---------------|------------------------------|--------------|-------|----------------------------------------|--------------|-------|--------------|-----|-----------|
|                              |               | Result                       | Spike Amount | % Rec | Result                                 | Spike Amount | % Rec |              |     |           |
| Pyruvic Acid                 | ND U          | 1.76                         | 2.04         | 86    | 1.78                                   | 2.04         | 87    | 45-144       | 1   | 30        |
| Acetic Acid                  | ND U          | 19.0                         | 20.0         | 95    | 19.3                                   | 20.0         | 96    | 30-147       | 2   | 30        |
| Butanoic Acid (Butyric Acid) | ND U          | 20.0                         | 20.1         | 100   | 20.8                                   | 20.1         | 104   | 55-146       | 4   | 30        |
| Lactic Acid                  | ND U          | 18.1                         | 20.0         | 91    | 18.4                                   | 20.0         | 92    | 40-158       | 2   | 30        |
| Propionic Acid               | ND U          | 19.5                         | 20.0         | 97    | 20.8                                   | 20.0         | 104   | 57-135       | 6   | 30        |

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1803890-01

**Units:** mg/L  
**Basis:** NA

**Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC) 28 Day Hold Time**

**Analysis Method:** Organic Acids

| Analyte Name                 | Result | MRL  | Dil. | Date Analyzed  | Q |
|------------------------------|--------|------|------|----------------|---|
| Pyruvic Acid                 | ND U   | 0.50 | 1    | 04/24/18 18:39 |   |
| Acetic Acid                  | ND U   | 1.0  | 1    | 04/24/18 18:39 |   |
| Butanoic Acid (Butyric Acid) | ND U   | 2.0  | 1    | 04/24/18 18:39 |   |
| Lactic Acid                  | ND U   | 1.0  | 1    | 04/24/18 18:39 |   |
| Propionic Acid               | ND U   | 1.0  | 1    | 04/24/18 18:39 |   |

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** NA  
**Date Received:** NA

**Sample Name:** Method Blank  
**Lab Code:** RQ1803949-01

**Units:** mg/L  
**Basis:** NA

**Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC) 28 Day Hold Time**

**Analysis Method:** Organic Acids

| Analyte Name                 | Result | MRL  | Dil. | Date Analyzed  | Q |
|------------------------------|--------|------|------|----------------|---|
| Pyruvic Acid                 | ND U   | 0.50 | 1    | 04/25/18 13:30 |   |
| Acetic Acid                  | ND U   | 1.0  | 1    | 04/25/18 13:30 |   |
| Butanoic Acid (Butyric Acid) | ND U   | 2.0  | 1    | 04/25/18 13:30 |   |
| Lactic Acid                  | ND U   | 1.0  | 1    | 04/25/18 13:30 |   |
| Propionic Acid               | ND U   | 1.0  | 1    | 04/25/18 13:30 |   |

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Analyzed:** 04/24/18

**Duplicate Lab Control Sample Summary**  
**Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC) 28 Day Hold Time**

**Units:**mg/L  
**Basis:**NA

| Lab Control Sample           |                   |        |              |       | Duplicate Lab Control Sample |              |       |              |     |           |
|------------------------------|-------------------|--------|--------------|-------|------------------------------|--------------|-------|--------------|-----|-----------|
| RQ1803890-02                 |                   |        |              |       | RQ1803890-03                 |              |       |              |     |           |
| Analyte Name                 | Analytical Method | Result | Spike Amount | % Rec | Result                       | Spike Amount | % Rec | % Rec Limits | RPD | RPD Limit |
| Pyruvic Acid                 | Organic Acids     | 1.89   | 2.04         | 93    | 1.87                         | 2.04         | 92    | 70-130       | 1   | 30        |
| Acetic Acid                  | Organic Acids     | 19.7   | 20.0         | 98    | 19.6                         | 20.0         | 98    | 70-130       | <1  | 30        |
| Butanoic Acid (Butyric Acid) | Organic Acids     | 20.6   | 20.1         | 103   | 21.3                         | 20.1         | 106   | 70-130       | 3   | 30        |
| Lactic Acid                  | Organic Acids     | 18.7   | 20.0         | 93    | 18.7                         | 20.0         | 93    | 70-130       | <1  | 30        |
| Propionic Acid               | Organic Acids     | 20.6   | 20.0         | 103   | 20.5                         | 20.0         | 102   | 70-130       | <1  | 30        |

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Analyzed:** 04/25/18

**Duplicate Lab Control Sample Summary**  
**Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC) 28 Day Hold Time**

**Units:**mg/L  
**Basis:**NA

| Lab Control Sample           |                   |        |              |       | Duplicate Lab Control Sample |              |       |              |     |           |
|------------------------------|-------------------|--------|--------------|-------|------------------------------|--------------|-------|--------------|-----|-----------|
| RQ1803949-02                 |                   |        |              |       | RQ1803949-03                 |              |       |              |     |           |
| Analyte Name                 | Analytical Method | Result | Spike Amount | % Rec | Result                       | Spike Amount | % Rec | % Rec Limits | RPD | RPD Limit |
| Pyruvic Acid                 | Organic Acids     | 1.88   | 2.04         | 92    | 1.91                         | 2.04         | 94    | 70-130       | 2   | 30        |
| Acetic Acid                  | Organic Acids     | 19.4   | 20.0         | 97    | 19.6                         | 20.0         | 98    | 70-130       | <1  | 30        |
| Butanoic Acid (Butyric Acid) | Organic Acids     | 20.4   | 20.1         | 102   | 19.7                         | 20.1         | 98    | 70-130       | 4   | 30        |
| Lactic Acid                  | Organic Acids     | 19.0   | 20.0         | 95    | 19.2                         | 20.0         | 96    | 70-130       | <1  | 30        |
| Propionic Acid               | Organic Acids     | 21.3   | 20.0         | 106   | 21.2                         | 20.0         | 106   | 70-130       | <1  | 30        |



## Metals

**ALS Environmental—Rochester Laboratory**

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** Method Blank  
**Lab Code:** R1803433-MB

**Service Request:** R1803433  
**Date Collected:** NA  
**Date Received:** NA  
  
**Basis:** NA

Inorganic Parameters

| Analyte Name    | Analysis Method | Result | Units | MRL | Dil. | Date Analyzed  | Date Extracted | Q |
|-----------------|-----------------|--------|-------|-----|------|----------------|----------------|---|
| Iron, Dissolved | 6010C           | ND U   | ug/L  | 100 | 1    | 04/20/18 20:57 | 04/19/18       |   |
| Iron, Total     | 6010C           | ND U   | ug/L  | 100 | 1    | 04/20/18 20:57 | 04/19/18       |   |



**ALS Group USA, Corp.**

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QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Analyzed:** 04/20/18

**Lab Control Sample Summary**  
**Inorganic Parameters**

**Units:**ug/L**Basis:**NA**Lab Control Sample**

R1803433-LCS

| <b>Analyte Name</b> | <b>Analytical Method</b> | <b>Result</b> | <b>Spike Amount</b> | <b>% Rec</b> | <b>% Rec Limits</b> |
|---------------------|--------------------------|---------------|---------------------|--------------|---------------------|
| Iron, Dissolved     | 6010C                    | 1020          | 1000                | 102          | 80-120              |
| Iron, Total         | 6010C                    | 1020          | 1000                | 102          | 80-120              |



## General Chemistry

**ALS Environmental—Rochester Laboratory**

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Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** Method Blank  
**Lab Code:** R1803433-MB1

**Service Request:** R1803433  
**Date Collected:** NA  
**Date Received:** NA  
  
**Basis:** NA

Inorganic Parameters

| Analyte Name                | Analysis Method      | Result | Units | MRL  | Dil. | Date Analyzed  | Date<br>Extracted | Q |
|-----------------------------|----------------------|--------|-------|------|------|----------------|-------------------|---|
| Alkalinity, Total as CaCO3  | SM 2320 B-1997(2011) | ND U   | mg/L  | 2.0  | 1    | 04/22/18 16:45 | NA                |   |
| Carbon, Total Organic (TOC) | SM 5310 C-2000(2011) | ND U   | mg/L  | 1.0  | 1    | 04/19/18 23:54 | NA                |   |
| Chloride                    | 9056A                | ND U   | mg/L  | 0.20 | 1    | 04/18/18 09:22 | NA                |   |
| Nitrate as Nitrogen         | 9056A                | ND U   | mg/L  | 0.10 | 1    | 04/18/18 09:22 | NA                |   |
| Nitrite as Nitrogen         | 9056A                | ND U   | mg/L  | 0.10 | 1    | 04/18/18 09:22 | NA                |   |
| Sulfate                     | 9056A                | ND U   | mg/L  | 0.20 | 1    | 04/18/18 09:22 | NA                |   |
| Sulfide, Acid-Soluble       | 9034                 | ND U   | mg/L  | 1.0  | 1    | 04/19/18 09:30 | 04/19/18          |   |

ALS Group USA, Corp.  
dba ALS Environmental

Analytical Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water  
  
**Sample Name:** Method Blank  
**Lab Code:** R1803433-MB2

**Service Request:** R1803433  
**Date Collected:** NA  
**Date Received:** NA  
  
**Basis:** NA

Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL  | Dil. | Date Analyzed  | Q |
|--------------|-----------------|--------|-------|------|------|----------------|---|
| Sulfate      | 9056A           | ND U   | mg/L  | 0.20 | 1    | 04/18/18 12:11 |   |

ALS Group USA, Corp.  
dba ALS Environmental

QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Collected:** 04/17/18  
**Date Received:** 04/17/18  
**Date Analyzed:** 04/19/18 - 04/20/18

**Duplicate Matrix Spike Summary**  
**General Chemistry Parameters**

**Sample Name:** MW-202-041718-1120  
**Lab Code:** R1803433-008

**Units:** mg/L  
**Basis:** NA

**Matrix Spike**  
R1803433-008MS

**Duplicate Matrix Spike**  
R1803433-008DMS

| Analyte Name                | Method               | Sample Result | Result | Spike Amount | % Rec | Result | Spike Amount | % Rec | % Rec Limits | RPD | RPD Limit |
|-----------------------------|----------------------|---------------|--------|--------------|-------|--------|--------------|-------|--------------|-----|-----------|
| Carbon, Total Organic (TOC) | SM 5310 C-2000(2011) | ND U          | 9.7    | 10.0         | 97    | 9.5    | 10.0         | 95    | 48-135       | 2   | 20        |
| Sulfide, Acid-Soluble       | 9034                 | ND U          | 7.0    | 9.8          | 72    | 5.7    | 9.8          | 58    | 10-109       | 22* | 20        |

Results flagged with an asterisk (\*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.  
dba ALS Environmental

QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Analyzed:** 04/18/18 - 04/22/18

**Lab Control Sample Summary**  
**General Chemistry Parameters**

**Units:**mg/L  
**Basis:**NA

**Lab Control Sample**  
R1803433-LCS1

| Analyte Name                           | Analytical Method    | Result | Spike Amount | % Rec | % Rec Limits |
|----------------------------------------|----------------------|--------|--------------|-------|--------------|
| Alkalinity, Total as CaCO <sub>3</sub> | SM 2320 B-1997(2011) | 21.2   | 20.0         | 106   | 81-112       |
| Carbon, Total Organic (TOC)            | SM 5310 C-2000(2011) | 9.3    | 10.0         | 93    | 81-118       |
| Chloride                               | 9056A                | 1.98   | 2.00         | 99    | 80-120       |
| Nitrate as Nitrogen                    | 9056A                | 0.977  | 1.00         | 98    | 80-120       |
| Nitrite as Nitrogen                    | 9056A                | 1.04   | 1.00         | 104   | 80-120       |
| Sulfate                                | 9056A                | 2.02   | 2.00         | 101   | 80-120       |
| Sulfide, Acid-Soluble                  | 9034                 | 5.6    | 9.8          | 57    | 15-124       |

ALS Group USA, Corp.  
dba ALS Environmental

QA/QC Report

**Client:** Haley & Aldrich, Incorporated  
**Project:** Coopervision/129375-002  
**Sample Matrix:** Water

**Service Request:** R1803433  
**Date Analyzed:** 04/18/18

**Lab Control Sample Summary**  
**General Chemistry Parameters**

**Units:**mg/L  
**Basis:**NA

**Lab Control Sample**  
R1803433-LCS2

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|--------------|-------------------|--------|--------------|-------|--------------|
| Sulfate      | 9056A             | 1.93   | 2.00         | 96    | 80-120       |

## **APPENDIX K**

### **Groundwater Sampling Field Forms**



## Coopervision

8

MW-202

Job Number:  
Well ID:  
Field Crew:

129375  
MW-202  
JMS/MGC

Date: 10/12/17  
Start Time: 15:10  
Finished Time: 1345  
Sample Time: 550

|                            |         |
|----------------------------|---------|
| Initial Depth to Water:    | 5.51    |
| Well Depth:                | 18.9    |
| Depth to top of screen:    | unknown |
| Depth to bottom of screen: | unknown |
| Depth of Intake:           | 18.4    |

Purging Device: Waterra w/Hydrolift  
Tubing in well: No  
Tubing Type: HDPE

PID (ppm): 0.0

[illegible]

VOCs (3 vials), TOC (3 vials), RSK-175 (3 vials), Alkalinity (1 plastic), NO<sub>2</sub>/NO<sub>3</sub>/Cl/SO<sub>4</sub> (1 plastic), Fe (1 plastic), Sulfide (1 plastic), Organic Acids (1 amber glass)

Fe unfiltered (1 plastic), Fe filtered (1 plastic)

**Location (Site/Facility Name):**

## Coopervision

### Sample Order

4

WELL ID:

MW-205

**Job Number:**

129375

Well ID:

MW-205

Field Crew:

MC/SS

Date: 10-12-17

Start Time: 25 1405

Finished Time: 1420

Sample Time: 143.3

Initial Depth to Water: 5.62

Well Depth: 27.6

Depth to top of screen: unknown

|                            |         |
|----------------------------|---------|
| Depth to bottom of screen: | unknown |
|----------------------------|---------|

Depth of Intake: 27.1

**Purging Device:** Waterra w/Hydrolift

Tubing in well: No

Tubing Type: HDPE

PID (ppm): 0.2

[illegible]

**Comments:**

VOCs (3 vials), RSK-175 (3 vials), Alkalinity (1 plastic), NO<sub>2</sub>/NO<sub>3</sub>/Cl/SO<sub>4</sub> (1 plastic), Sulfide (1 plastic), Organic Acids (1 amber glass), Fe filtered (1 plastic), Fe unfiltered (1 plastic)

This one tends to read moderately high on PID and tends to have a strong odor.

**Location (Site/Facility Name):**

## Coopervision

### Sample Order

3

WELL ID:

**OWS-302**

Job Number:

129375

Well ID:

**OWS-302**

**Field Crew:**

YMS AALC

Date: 10/1/2

Start Time: 13:20

Finished Time: 1350

Sample Time: 1350

Initial Depth to Water:

Well Depth: 21.82

Depth to top of screen: unkown

Depth to bottom of screen: unkown

Depth of Intake: 21.3

**Purging Device:** Waterra w/Hydrolift

Tubing in well: No

**Tubing Type:** HDPE

PID (ppm): 9.7

[illegible]

**Comments:**

VOCs (3 vials)

Has purged dry (occasionally)

**Location (Site/Facility Name):**

## Coopervision

### Sample Order

1

WELL ID:

MW-3

Job Number:

129375

Well ID:

MW-3

**Field Crew:**

JMS, MGC

Date: 10/12/17

Time: 10:15

Start Time: 10:15  
Finished Time: 10:30

Sample Time: 12:00

Initial Depth to Water: 3.84

Well Depth: 9.8

Depth to top of screen:      unkown

Depth to bottom of screen: unknown

Depth of Intake: 9.3

**Purging Device:** Waterra w/Hydrolift

Tubing in well: No

Tubing Type: HDPE

PID (ppm): 0.0

[illegible]

**Comments:**

VOCs (3 vials), RSK-175 (3 vials), NO<sub>2</sub>/NO<sub>3</sub>/Cl/SO<sub>4</sub> (1 plastic), Sulfide (1 plastic), Alkalinity (1 plastic), Fe unfiltered (1 plastic), Fe filtered (1 plastic)

**Will likely pump dry**

**Location (Site/Facility Name):**

129375

**Field Crew:**

MW-501

IMS/MLG

### Sample Order

5

WELL ID:

**MW-501**

Date: 10/12

Start Time: 10:47

Finished Time: 11:30

Sample Time: 11:35

Initial Depth to Water: 3.74

Well Depth: 10.31

Depth to top of screen:      unknow

Depth to bottom of screen: unknow

Depth of Intake: 9.8

**Purging Device:** Waterra w/Hydrolift

Tubing in well: No

Tubing Type: HDPE

PID (ppm): 0.0

[illegible]

VOCs (3 vials)

| VOCS (3 vials) |
|----------------|
|                |
|                |
|                |

Low-Flow Field Sampling Form  
Location (Site/Facility Name):

Coopervision

Sample Order

2

WELL ID:

MW-502

Job Number:  
Well ID:  
Field Crew:

129375  
MW-502  
SMS/MGL

Date: 10/12  
Start Time: 11:50  
Finished Time: 1245  
Sample Time: 1245

Initial Depth to Water: 4.31  
Well Depth: 32.71  
Depth to top of screen: unknown  
Depth to bottom of screen: unknown  
Depth of Intake: 32.2

Purging Device: Waterra w/Hydrolift  
Tubing in well: No  
Tubing Type: HDPE

PID (ppm): 0.0

| Time Elapsed (Minutes) | Depth to Water (TOR) | Cumulative Purge Volume (gallons) | Temperature (celsius) +/- 10% | pH +/- 0.1 | Conductivity (ms/cm) +/- 3% | Dissolved Oxygen (mg/L) +/- 10% | Turbidity (NTU) <50 | ORP/eH (mV) +/- 10 mV | Comments               |
|------------------------|----------------------|-----------------------------------|-------------------------------|------------|-----------------------------|---------------------------------|---------------------|-----------------------|------------------------|
| 0                      |                      | 0                                 |                               |            |                             |                                 |                     |                       |                        |
| 5                      | 7.32                 | 0.4                               | 18.0                          | 7.11       | 2.74                        | 0.18                            | 117                 | -59.4                 | 240 ml/min             |
| 10                     | 8.19                 | 0.5                               | 18.1                          | 7.11       | 2.75                        | 0.23                            | 142                 | -69.5                 |                        |
| 15                     | 8.90                 | 0.9                               | 17.9                          | 7.11       | 2.75                        | 0.15                            | 724 AU              | -82.6                 |                        |
| 20                     | 9.45                 | 1.1                               | 17.8                          | 7.11       | 2.75                        | 0.13                            | 861 AU              | -85.9                 |                        |
| 25                     | 9.9                  | 1.4                               | 17.7                          | 7.11       | 2.74                        | 0.13                            | 947 AU              | -87.1                 |                        |
| 30                     | 10.32                | 1.5                               | 17.7                          | 7.11       | 2.75                        | 0.13                            | 977 AU              | -91.9                 |                        |
| 35                     | 10.71                | 1.6                               | 17.7                          | 7.11       | 2.74                        | 0.13                            | 908 AU              | -93.3                 |                        |
| 40                     | 10.9                 | 1.9                               | 17.7                          | 7.11       | 2.74                        | 0.14                            | 774 AU              | -94.6                 |                        |
| 45                     | 11.31                | 2.1                               | 17.8                          | 7.11       | 2.74                        | 0.13                            | 756 AU              | -95.4                 |                        |
| 50                     | 11.45                | 2.3                               | 17.9                          | 7.11       | 2.74                        | 0.12                            | 687 AU              | -92.9                 |                        |
| 55                     | 11.69                | 2.5                               | 18.0                          | 7.11       | 2.74                        | 0.11                            | 612 AU              | -93.1                 |                        |
| 60                     | 11.93                | 2.7                               | 18.1                          | 7.11       | 2.74                        | 0.12                            | 162 AU              | -92.9                 |                        |
|                        |                      |                                   |                               |            |                             |                                 |                     |                       | Sample @ 12:45         |
|                        |                      |                                   |                               |            |                             |                                 |                     |                       |                        |
|                        |                      |                                   |                               |            |                             |                                 |                     |                       |                        |
|                        |                      |                                   |                               |            |                             |                                 |                     |                       |                        |
|                        |                      |                                   |                               |            |                             |                                 |                     |                       | MW 502 - 101217 - 1245 |
|                        |                      |                                   |                               |            |                             |                                 |                     |                       |                        |
|                        |                      |                                   |                               |            |                             |                                 |                     |                       |                        |
|                        |                      |                                   |                               |            |                             |                                 |                     |                       |                        |
|                        |                      |                                   |                               |            |                             |                                 |                     |                       |                        |
|                        |                      |                                   |                               |            |                             |                                 |                     |                       |                        |

Comments:

VOCs (3 vials)

Has purged dry (occasionally)

## Coopervision

11

MW-203

129375

**MW-203**

US/MC

Date: 10-13-17

Start Time: 12:45

Finished Time: 1400

Sample Time: 13:30

Initial Depth to Water: 2.61

Well Depth: 19.45

Depth to top of screen: unknown

Depth to bottom of screen: unknown

Depth of Intake: 19.0

**Purging Device:** Waterra w/Hydrolift

Tubing in well: No

Tubing Type: HDPE

PID (ppm): 0.2

[illegible]

**Comments:**

VOCs (3 vials)

## Coopervision

9

MW-204

129375

MW-204

651 Mc

Date: 10-13-17

Start Time: 12:00

Finished Time: 12:25

Sample Time: 1732

Initial Depth to Water: 6.00

Well Depth: 19.12

Depth to top of screen: unkown

Depth to bottom of screen: unknown

Depth of Intake: 18.6

**Purging Device:** Waterra w/Hydrolift

Tubing in well: No

**Tubing Type:** HDPE

PID (ppm): 0.0

Comments:

|                |
|----------------|
| VOCs (3 vials) |
|                |
|                |
|                |





**Location (Site/Facility Name):**

### Sample Order

1

WELL ID:

**MW-3**

129375

MW-3

2/5M

Date: 4/16/18

Start Time: 10:55

Finished Time: 11:05

Sample Time: 12:55

Initial Depth to Water: 3.90

Well Depth: 9.8

Depth to top of screen:      unknown

Depth to bottom of screen:      unknown

Depth of Intake: 9.3

**Purging Device:** Waterra w/Hydrolift

Tubing in well: No

Tubing Type: HDPE

PID (ppm): 0.0

[illegible]

**Comments:**

VOCs (3 vials), RSK-175 (3 vials), Alkalinity (1 plastic), NO<sub>2</sub>/NO<sub>3</sub>/Cl/SO<sub>4</sub> (1 plastic), Sulfide (1 plastic), Organic Acids (1 amber glass), Fe filtered (1 plastic), Fe unfiltered (1 plastic)

**Will likely pump dry**

Job Number: 129375  
Well ID: MW-502  
Field Crew: R/S/M

Date: 4/16  
Start Time: 1145  
Finished Time: 1245  
Sample Time: 1250

|                            |         |
|----------------------------|---------|
| Initial Depth to Water:    | 4.00    |
| Well Depth:                | 32.71   |
| Depth to top of screen:    | unknown |
| Depth to bottom of screen: | unknown |
| Depth of Intake:           | 32.2    |

Purging Device: Waterra w/Hydrolift  
Tubing in well: No  
Tubing Type: HDPE  
PID (ppm): 0.7

[illegible]

**Comments:**

VOCs (3 vials)

Has purged dry (occasionally)

**Location (Site/Facility Name):**

### Sample Order

WELL ID:

**MW-501**

129375

MW-501

## LLISM

Date: 4/17/18

Start Time: 0840

Finished Time: 0945

Sample Time: 0950

Initial Depth to Water: 3.07

Well Depth: 10.31

Depth to top of screen: unkown

Depth to bottom of screen: unkown

Depth of Intake: 9.8

**Purging Device:** Waterra w/Hydrolift

Tubing in well: No

**Tubing Type:** HDPE

PID (ppm): 0.6

Sample time 0950

VOCs (3 vials)

| VOCs (5 vials) |  |
|----------------|--|
|                |  |
|                |  |
|                |  |

**Location (Site/Facility Name):**

## Coopervision

### Sample Order

8

WELL ID:

MW-202

Job Number:

129375

Well ID:

MW-202

**Field Crew:**

RL/SM

Date: 4/17/18

Start Time: ~~1015~~ 1015

Finished Time: 1115

Sample Time: 1120

Initial Depth to Water: 5.27

Well Depth: 18.9

Depth to top of screen: unknown

Depth to bottom of screen: unknown

Depth of Intake: 18.4

**Purging Device:** Waterra w/Hydrolift

Tubing in well: No

**Tubing Type:** HDPE

PID (ppm): 0.0

[illegible]

°C (3 vials), RSK-175 (3 vials), Alkalinity (1 plastic), NO<sub>2</sub>/NO<sub>3</sub>/Cl/SO<sub>4</sub> (1 plastic), Fe (1 plastic), Sulfide (1 plastic), Organic Acids (1 amber glass)

tic), Fe filtered (1 plastic)

**Location (Site/Facility Name):**

## Coopervision

### Sample Order

9

WELL ID:

**MW-204**

Job Number:

129375

Well ID:

**MW-204**

**Field Crew:**

RL/SM

Date: 4/17/18

Start Time: 1320

Finished Time: 147.0

Sample Time: 1425

Initial Depth to Water: 4.73

Well Depth: 19.12

Depth to top of screen:      unknown

Depth to bottom of screen: unknown

Depth of Intake: 18.6

**Purging Device:** Waterra w/Hydrolift

Tubing in well: No

**Tubing Type:** HDPE

PID (ppm): 0.6

[illegible]

**Comments:**

VOCs (3 vials)

**Location (Site/Facility Name):**

## Coopervision

### Sample Order

4

WELL ID:

MW-205

Job Number:

129375

Well ID:

MW-205

Field Crew:

ELISM

Date: 4/10

Start Time: 11/15

Finished Time: 1705

Sample Time: 1716

Initial Depth to Water: 3.07

Well Depth: 27.6

Depth to top of screen:            unknown

Depth to bottom of screen: unkown

Depth of Intake: 27.1

**Purging Device:** Waterra w/Hydrolift

Tubing in well: No

Tubing Type: HDPE

PID (ppm): 205

[illegible]

**Comments:**

VOCs (3 vials), RSK-175 (3 vials), Alkalinity (1 plastic), NO<sub>2</sub>/NO<sub>3</sub>/Cl/SO<sub>4</sub> (1 plastic), Sulfide (1 plastic), Organic Acids (1 amber glass), Fe filtered (1 plastic), Fe unfiltered (1 plastic)

This one tends to read moderately high on PID and tends to have a strong odor.

**Location (Site/Facility Name):**

### Sample Order

WELL ID:

MW-203

129375

MW-203

SM, RL

Date: 4/17/18

Start Time: 1600

Finished Time: \_\_\_\_\_

Sample Time: \_\_\_\_\_

Initial Depth to Water:

Well Depth: 19.45

Depth to top of screen: unknown

Depth to bottom of screen: unknown

Depth of Intake: 19.0

**Purging Device:** Waterra w/Hydrolift

Tubing in well: No

**Tubing Type:** HDPE

**PID (ppm):**

Comments: MW203- 041718-1705

**Comments:**

VOCs (3 vials)



## Coopervision

10

OW-306

Job Number: 129375  
Well ID: OW-306  
Field Crew: SM, RL

Date: 4/17/18  
Start Time: 1440  
Finished Time:  
Sample Time: 1540

|                            |         |
|----------------------------|---------|
| Initial Depth to Water:    | 2.39    |
| Well Depth:                | 13.36   |
| Depth to top of screen:    | unknown |
| Depth to bottom of screen: | unknown |
| Depth of Intake:           | 12.9    |

Purging Device: Waterra w/Hydrolift  
Tubing in well: No  
Tubing Type: HDPE

PID (ppm): 0.0

[illegible]

Comments: Sample: 0W3000-041718-1540

VOCs (3 vials)

Job Number: 129375  
Well ID: OWS-302  
Field Crew: R. L.

Date: 4/20/18  
Start Time: 1125  
Finished Time: 1300  
Sample Time: 1245

|                            |         |
|----------------------------|---------|
| Initial Depth to Water:    | 2.18    |
| Well Depth:                | 21.82   |
| Depth to top of screen:    | unknown |
| Depth to bottom of screen: | unknown |
| Depth of Intake:           | 21.3    |

Purging Device: Waterra w/Hydrolift  
Tubing in well: No  
Tubing Type: HDPE

PID (ppm): 0.0 ppm

[illegible]

**Comments:**

OWS302-042018-1245

VOCs (3 vials)

Has purged dry (occasionally)

## **APPENDIX L**

### **Historical Analytical Data**

TABLE I  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
SOURCE AREA WELLS  
COOPERVISION  
SCOTTSVILLE, NY

| Location                                      | Action Level | MW-205                  |                       | OWS-302                |                      |
|-----------------------------------------------|--------------|-------------------------|-----------------------|------------------------|----------------------|
| Sample Name                                   | NYSDEC       | MW205-101716-1435       | MW205-042517-1510     | OWS302-101716-1330     | OWS302-042517-1435   |
| Sample Date                                   | TOGS         | 10/17/2016              | 04/25/2017            | 10/17/2016             | 04/25/2017           |
| Sample Type                                   | Ambient      | N                       | N                     | N                      | N                    |
| Sample Depth (bgs)                            | Water        | 21.2 - 28 (ft)          | 21.2 - 28 (ft)        | 13 - 17.8 (ft)         | 13 - 17.8 (ft)       |
| Volatile Organic Compounds (ug/L)             |              |                         |                       |                        |                      |
| 1,1,1-Trichloroethane                         | 5            | 50000 J <sup>[A]</sup>  | 39000 <sup>[A]</sup>  | 500 R                  | ND (1000)            |
| 1,1,2,2-Tetrachloroethane                     | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| 1,1,2-Trichloroethane                         | 1            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| 1,1-Dichloroethane                            | 5            | 220000 J <sup>[A]</sup> | 200000 <sup>[A]</sup> | 500 R                  | 270 J <sup>[A]</sup> |
| 1,1-Dichloroethene                            | 5            | 10000 R                 | 1500 J <sup>[A]</sup> | 500 R                  | ND (1000)            |
| 1,2-Dichloroethane                            | 0.6          | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| 1,2-Dichloropropane                           | 1            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| 2-Butanone (Methyl Ethyl Ketone)              | 50           | 20000 R                 | ND (20000)            | 1000 R                 | ND (2000)            |
| 2-Hexanone                                    | 50           | 20000 R                 | ND (20000)            | 1000 R                 | ND (2000)            |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | -            | 20000 R                 | ND (20000)            | 1000 R                 | ND (2000)            |
| Acetone                                       | 50           | 20000 R                 | ND (20000)            | 1000 R                 | ND (2000)            |
| Benzene                                       | 1            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Bromodichloromethane                          | 50           | 10000 R                 | ND (10000)            | 500 R                  | 64 J <sup>[A]</sup>  |
| Bromoform                                     | 50           | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Bromomethane (Methyl Bromide)                 | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Carbon disulfide                              | 60           | 20000 R                 | ND (20000)            | 1000 R                 | ND (2000)            |
| Carbon tetrachloride                          | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Chlorobenzene                                 | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Chloroethane                                  | 5            | 10000 R                 | 1100 J <sup>[A]</sup> | 28000 J <sup>[A]</sup> | 17000 <sup>[A]</sup> |
| Chloroform (Trichloromethane)                 | 7            | 10000 R                 | ND (10000)            | 500 R                  | 330 J <sup>[A]</sup> |
| Chloromethane (Methyl Chloride)               | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| cis-1,2-Dichloroethene                        | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| cis-1,3-Dichloropropene                       | 0.4          | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Dibromochloromethane                          | 50           | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Ethylbenzene                                  | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| m,p-Xylenes                                   | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Methylene chloride                            | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| o-Xylene                                      | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Styrene                                       | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Tetrachloroethene                             | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Toluene                                       | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| trans-1,2-Dichloroethene                      | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| trans-1,3-Dichloropropene                     | 0.4          | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Trichloroethene                               | 5            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Vinyl chloride                                | 2            | 10000 R                 | ND (10000)            | 500 R                  | ND (1000)            |
| Other (mg/L)                                  |              |                         |                       |                        |                      |
| Acetic acid                                   | -            | 1200 J                  | 1200                  | -                      | -                    |
| Alkalinity, Total (as CaCO3)                  | -            | 3260 J                  | 3430                  | -                      | -                    |
| Butanoic acid                                 | -            | 3300 J                  | 3300                  | -                      | -                    |
| Carbon                                        | -            | -                       | -                     | -                      | -                    |
| Chloride                                      | -            | 906 J                   | 684                   | -                      | -                    |
| Lactic Acid                                   | -            | 25 R                    | ND (20)               | -                      | -                    |
| Nitrate (as N)                                | -            | 1 R                     | ND (1)                | -                      | -                    |
| Nitrite (as N)                                | -            | 0.061 J                 | ND (10)               | -                      | -                    |
| Propionic acid                                | -            | 870 J                   | 750                   | -                      | -                    |
| Pyruvic Acid                                  | -            | 13 R                    | ND (10)               | -                      | -                    |
| Sulfate                                       | 250          | 2 R                     | 2.1                   | -                      | -                    |
| Sulfide                                       | -            | 2 R                     | ND (1)                | -                      | -                    |
| Other (ug/L)                                  |              |                         |                       |                        |                      |
| Ethane                                        | -            | 20 J                    | ND (50)               | -                      | -                    |

TABLE I  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
SOURCE AREA WELLS  
COOPERVISION  
SCOTTSVILLE, NY

|                            | Location           | Action Level | MW-205                  |                       | OWS-302            |                    |
|----------------------------|--------------------|--------------|-------------------------|-----------------------|--------------------|--------------------|
|                            | Sample Name        | NYSDEC       | MW205-101716-1435       | MW205-042517-1510     | OWS302-101716-1330 | OWS302-042517-1435 |
|                            | Sample Date        | TOGS         | 10/17/2016              | 04/25/2017            | 10/17/2016         | 04/25/2017         |
|                            | Sample Type        | Ambient      | N                       | N                     | N                  | N                  |
|                            | Sample Depth (bgs) | Water        | 21.2 - 28 (ft)          | 21.2 - 28 (ft)        | 13 - 17.8 (ft)     | 13 - 17.8 (ft)     |
| Ethene                     |                    | -            | 16 J                    | ND (50)               | -                  | -                  |
| Methane                    |                    | -            | 5200 J                  | 4900                  | -                  | -                  |
| Propane                    |                    | -            | 1 R                     | ND (50)               | -                  | -                  |
| Inorganic Compounds (ug/L) |                    |              |                         |                       |                    |                    |
| Iron, Dissolved            | 300                |              | 110000 J <sup>[A]</sup> | 109000 <sup>[A]</sup> | -                  | -                  |
| Iron, Total                | 300                |              | 108000 J <sup>[A]</sup> | 113000 <sup>[A]</sup> | -                  | -                  |

Notes:

1. Results shaded orange exceed the following criteria:  
[A] - NYSDEC TOGS Ambient Water Class GA

2. Results in **bold** were detected.

3. ND - Not detected above reporting limit.  
J - Estimated result  
ND (#) J - Not detected, estimated reporting limit.  
R - Data rejected by validator

TABLE II  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
MID-GRADIENT WELLS  
COOPERVISION  
SCOTTSVILLE, NY

| Location<br>Sample Name<br>Sample Date<br>Sample Type<br>Sample Depth (bgs) | Action Level<br>NYSDEC<br>TOGS<br>Ambient<br>Water | BAP-01                |                     | BAP-02               |                    | MW-3                 |                    | MW-501                |                    | MW-502                |                     |
|-----------------------------------------------------------------------------|----------------------------------------------------|-----------------------|---------------------|----------------------|--------------------|----------------------|--------------------|-----------------------|--------------------|-----------------------|---------------------|
|                                                                             |                                                    | BAP01-102116-0920     | BAP01-042617-0950   | BAP02-102116-1050    | BAP02-042617-1115  | MW3-101716-1150      | MW3-042517-1400    | MW501-101716-1110     | MW501-042517-1230  | MW502-101716-1235     | MW502-042517-1315   |
|                                                                             |                                                    | 10/21/2016            | 04/26/2017          | 10/21/2016           | 04/26/2017         | 10/17/2016           | 04/25/2017         | 10/17/2016            | 04/25/2017         | 10/17/2016            | 04/25/2017          |
|                                                                             |                                                    | N                     | N                   | N                    | N                  | N                    | N                  | N                     | N                  | N                     | N                   |
|                                                                             |                                                    | 10 - 20 (ft)          | 10 - 20 (ft)        | 10 - 20 (ft)         | 10 - 20 (ft)       | 3 - 10 (ft)          | 3 - 10 (ft)        | 20 - 25 (ft)          | 20 - 25 (ft)       | 30 - 35 (ft)          | 30 - 35 (ft)        |
| Volatile Organic Compounds (ug/L)                                           |                                                    |                       |                     |                      |                    |                      |                    |                       |                    |                       |                     |
| 1,1,1-Trichloroethane                                                       | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| 1,1,2,2-Tetrachloroethane                                                   | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| 1,1,2-Trichloroethane                                                       | 1                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| 1,1-Dichloroethane                                                          | 5                                                  | 2700 J <sup>[A]</sup> | 2000 <sup>[A]</sup> | 640 J <sup>[A]</sup> | 620 <sup>[A]</sup> | 85 J <sup>[A]</sup>  | 64 <sup>[A]</sup>  | 140 J <sup>[A]</sup>  | 98 <sup>[A]</sup>  | 120 J <sup>[A]</sup>  | 92 J <sup>[A]</sup> |
| 1,1-Dichloroethene                                                          | 5                                                  | 720 J <sup>[A]</sup>  | 220 <sup>[A]</sup>  | 270 J <sup>[A]</sup> | 160 <sup>[A]</sup> | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| 1,2-Dichloroethane                                                          | 0.6                                                | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| 1,2-Dichloropropane                                                         | 1                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| 2-Butanone (Methyl Ethyl Ketone)                                            | 50                                                 | ND (200)              | 37 J                | ND (25)              | ND (50)            | 25 R                 | ND (25)            | 10 R                  | ND (50)            | 200 R                 | ND (200)            |
| 2-Hexanone                                                                  | 50                                                 | ND (200)              | ND (200)            | ND (25)              | ND (50)            | 25 R                 | ND (25)            | 10 R                  | ND (50)            | 200 R                 | ND (200)            |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)                               | -                                                  | ND (200)              | ND (200)            | ND (25)              | ND (50)            | 25 R                 | ND (25)            | 10 R                  | ND (50)            | 200 R                 | ND (200)            |
| Acetone                                                                     | 50                                                 | ND (200)              | ND (200)            | ND (25)              | 7.9 J              | 25 R                 | ND (25)            | 10 R                  | 6.5 J              | 200 R                 | ND (200)            |
| Benzene                                                                     | 1                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Bromodichloromethane                                                        | 50                                                 | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Bromoform                                                                   | 50                                                 | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Bromomethane (Methyl Bromide)                                               | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Carbon disulfide                                                            | 60                                                 | ND (200)              | ND (200)            | ND (25)              | ND (50)            | 25 R                 | ND (25)            | 10 R                  | ND (50)            | 200 R                 | ND (200)            |
| Carbon tetrachloride                                                        | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Chlorobenzene                                                               | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Chloroethane                                                                | 5                                                  | 400 J <sup>[A]</sup>  | 370 <sup>[A]</sup>  | 25 J <sup>[A]</sup>  | 30 <sup>[A]</sup>  | 400 J <sup>[A]</sup> | 280 <sup>[A]</sup> | 1100 J <sup>[A]</sup> | 620 <sup>[A]</sup> | 3000 J <sup>[A]</sup> | 2200 <sup>[A]</sup> |
| Chloroform (Trichloromethane)                                               | 7                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Chloromethane (Methyl Chloride)                                             | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| cis-1,2-Dichloroethene                                                      | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| cis-1,3-Dichloropropene                                                     | 0.4                                                | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Dibromochloromethane                                                        | 50                                                 | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Ethylbenzene                                                                | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| m,p-Xylenes                                                                 | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Methylene chloride                                                          | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| o-Xylene                                                                    | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Styrene                                                                     | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Tetrachloroethene                                                           | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | 2.1 J              | 100 R                 | ND (100)            |
| Toluene                                                                     | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| trans-1,2-Dichloroethene                                                    | 5                                                  | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| trans-1,3-Dichloropropene                                                   | 0.4                                                | ND (100)              | ND (100)            | ND (13)              | ND (25)            | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Trichloroethene                                                             | 5                                                  | ND (100)              | ND (100)            | ND (13)              | 2.4 J              | 13 R                 | ND (13)            | 5 R                   | ND (25)            | 100 R                 | ND (100)            |
| Vinyl chloride                                                              | 2                                                  | 1400 J <sup>[A]</sup> | 1300 <sup>[A]</sup> | 110 J <sup>[A]</sup> | 150 <sup>[A]</sup> | 35 J <sup>[A]</sup>  | 26 <sup>[A]</sup>  | 82 J <sup>[A]</sup>   | 65 <sup>[A]</sup>  | 260 J <sup>[A]</sup>  | 230 <sup>[A]</sup>  |
| Other (mg/L)                                                                |                                                    |                       |                     |                      |                    |                      |                    |                       |                    |                       |                     |
| Acetic acid                                                                 | -                                                  | 37 J                  | 48                  | 2 J                  | 3.9                | -                    | -                  | -                     | -                  | -                     | -                   |
| Alkalinity, Total (as CaCO3)                                                | -                                                  | 298 J                 | 313                 | 262 J                | 262                | 232 J                | 189                | -                     | -                  | -                     | -                   |
| Butanoic acid                                                               | -                                                  | ND (2)                | ND (2)              | ND (2)               | ND (2)             | -                    | -                  | -                     | -                  | -                     | -                   |
| Carbon                                                                      | -                                                  | 18.5 J                | 59.8                | 1.4 J                | 4                  | -                    | -                  | -                     | -                  | -                     | -                   |
| Chloride                                                                    | -                                                  | 634 J                 | 609                 | 1490 J               | 1170               | 490 J                | 539                | -                     | -                  | -                     | -                   |
| Lactic Acid                                                                 | -                                                  | ND (1)                | ND (1)              | ND (1)               | ND (1)             | -                    | -                  | -                     | -                  | -                     | -                   |
| Nitrate (as N)                                                              | -                                                  | ND (1)                | ND (1)              | ND (1)               | ND (1)             | 1 R                  | ND (1)             | -                     | -                  | -                     | -                   |
| Nitrite (as N)                                                              | -                                                  | ND (0.01)             | ND (1)              | ND (0.01)            | ND (1)             | 0.01 R               | ND (1)             | -                     | -                  | -                     | -                   |
| Propionic acid                                                              | -                                                  | 6.8 R                 | 9.9                 | ND (1)               | ND (1)             | -                    | -                  | -                     | -                  | -                     | -                   |
| Pyruvic Acid                                                                | -                                                  | ND (0.5)              | ND (0.5)            | ND (0.5)             | ND (0.5)           | -                    | -                  | -                     | -                  | -                     | -                   |
| Sulfate                                                                     | 250                                                | 97.9 J                | 55.5                | 59.4 J               | 48.6               | 14.4 J               | 20.5               | -                     | -                  | -                     | -                   |
| Sulfide                                                                     | -                                                  | 1.4 J                 | ND (1)              | ND (1)               | ND (1)             | 1 R                  | ND (1)             | -                     | -                  | -                     | -                   |
| Other (ug/L)                                                                |                                                    |                       |                     |                      |                    |                      |                    |                       |                    |                       |                     |
| Ethane                                                                      | -                                                  | ND (10)               | ND (10)             | ND (50)              | ND (50)            | 1 R                  | ND (21)            | -                     | -                  | -                     | -                   |



TABLE II  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
MID-GRADIENT WELLS  
COOPERVISION  
SCOTTSVILLE, NY

| Location<br>Sample Name<br>Sample Date<br>Sample Type<br>Sample Depth (bgs) | Action Level<br>NYSDEC<br>TOGS<br>Ambient<br>Water | BAP-01                 |                     | BAP-02                |                      | MW-3                  |                     | MW-501            |                   | MW-502            |                   |
|-----------------------------------------------------------------------------|----------------------------------------------------|------------------------|---------------------|-----------------------|----------------------|-----------------------|---------------------|-------------------|-------------------|-------------------|-------------------|
|                                                                             |                                                    | BAP01-102116-0920      | BAP01-042617-0950   | BAP02-102116-1050     | BAP02-042617-1115    | MW3-101716-1150       | MW3-042517-1400     | MW501-101716-1110 | MW501-042517-1230 | MW502-101716-1235 | MW502-042517-1315 |
|                                                                             |                                                    | 10/21/2016             | 04/26/2017          | 10/21/2016            | 04/26/2017           | 10/17/2016            | 04/25/2017          | 10/17/2016        | 04/25/2017        | 10/17/2016        | 04/25/2017        |
|                                                                             |                                                    | N                      | N                   | N                     | N                    | N                     | N                   | N                 | N                 | N                 | N                 |
|                                                                             |                                                    | 10 - 20 (ft)           | 10 - 20 (ft)        | 10 - 20 (ft)          | 10 - 20 (ft)         | 3 - 10 (ft)           | 3 - 10 (ft)         | 20 - 25 (ft)      | 20 - 25 (ft)      | 30 - 35 (ft)      | 30 - 35 (ft)      |
| Ethene                                                                      | -                                                  | 26 J                   | 220                 | ND (50)               | ND (50)              | 54 J                  | 30                  | -                 | -                 | -                 | -                 |
| Methane                                                                     | -                                                  | 500 J                  | 1600 J              | 2600 J                | 3900                 | 2600 J                | 1500                | -                 | -                 | -                 | -                 |
| Propane                                                                     | -                                                  | ND (10)                | ND (10)             | ND (50)               | ND (50)              | 1 R                   | ND (20)             | -                 | -                 | -                 | -                 |
| Inorganic Compounds (ug/L)                                                  |                                                    |                        |                     |                       |                      |                       |                     |                   |                   |                   |                   |
| Iron, Dissolved                                                             | 300                                                | 1080 J <sup>[A]</sup>  | 790 <sup>[A]</sup>  | 660 J <sup>[A]</sup>  | 1310 <sup>[A]</sup>  | 100 R                 | ND (100)            | -                 | -                 | -                 | -                 |
| Iron, Total                                                                 | 300                                                | 34700 J <sup>[A]</sup> | 1600 <sup>[A]</sup> | 1010 J <sup>[A]</sup> | 11700 <sup>[A]</sup> | 2260 J <sup>[A]</sup> | 2800 <sup>[A]</sup> | -                 | -                 | -                 | -                 |

- Notes:
1. Results shaded orange exceed the following criteria:  
[A] - NYSDEC TOGS Ambient Water Class GA
  2. Results in **bold** were detected.
  3. ND - Not detected above reporting limit.  
J - Estimated result  
ND (#) J - Not detected, estimated reporting limit.  
R - Data rejected by validator

TABLE III  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
DOWN-GRADIENT WELLS  
COOPERVISION  
SCOTTSVILLE, NY

| Location                                      | Action Level | MW-202               |                    | MW-203            |                   | MW-204            |                   | OW-306            |                   |
|-----------------------------------------------|--------------|----------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Sample Name                                   | NYSDEC       | MW202-102116-1230    | MW202-042617-1210  | MW203-101716-1640 | MW203-042517-1640 | MW204-102116-1350 | MW204-042517-1725 | OW306-102116-1445 | OW306-042617-1445 |
| Sample Date                                   | TOGS         | 10/21/2016           | 04/26/2017         | 10/17/2016        | 04/25/2017        | 10/21/2016        | 04/25/2017        | 10/21/2016        | 04/26/2017        |
| Sample Type                                   | Ambient      | N                    | N                  | N                 | N                 | N                 | N                 | N                 | N                 |
| Sample Depth (bgs)                            | Water        | 10.2 - 20.3 (ft)     | 10.2 - 20.3 (ft)   | 9.8 - 20 (ft)     | 9.8 - 20 (ft)     | 9.8 - 20 (ft)     | 9.8 - 20 (ft)     | 4 - 14 (ft)       | 4 - 14 (ft)       |
| Volatile Organic Compounds (ug/L)             |              |                      |                    |                   |                   |                   |                   |                   |                   |
| 1,1,1-Trichloroethane                         | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | 1.4 J             | ND (5)            | 0.47 J            |
| 1,1,2,2-Tetrachloroethane                     | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| 1,1,2-Trichloroethane                         | 1            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| 1,1-Dichloroethane                            | 5            | 110 J <sup>[A]</sup> | 37 <sup>[A]</sup>  | 5 R               | 0.29 J            | ND (5)            | 4.8 J             | ND (5)            | 0.74 J            |
| 1,1-Dichloroethene                            | 5            | 98 J <sup>[A]</sup>  | 38 <sup>[A]</sup>  | 5 R               | ND (5)            | ND (5)            | 4.3 J             | ND (5)            | ND (5)            |
| 1,2-Dichloroethane                            | 0.6          | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| 1,2-Dichloropropane                           | 1            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| 2-Butanone (Methyl Ethyl Ketone)              | 50           | ND (10)              | ND (10)            | 10 R              | ND (10)           | ND (10)           | ND (10)           | ND (10)           | ND (10)           |
| 2-Hexanone                                    | 50           | ND (10)              | ND (10)            | 10 R              | ND (10)           | ND (10)           | ND (10)           | ND (10)           | ND (10)           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | -            | ND (10)              | ND (10)            | 10 R              | ND (10)           | ND (10)           | ND (10)           | ND (10)           | ND (10)           |
| Acetone                                       | 50           | ND (10)              | ND (10)            | 10 R              | ND (10)           | ND (10)           | 1.4 J             | ND (10)           | ND (10)           |
| Benzene                                       | 1            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Bromodichloromethane                          | 50           | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Bromoform                                     | 50           | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Bromomethane (Methyl Bromide)                 | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Carbon disulfide                              | 60           | ND (10)              | ND (10)            | 10 R              | ND (10)           | ND (10)           | ND (10)           | ND (10)           | ND (10)           |
| Carbon tetrachloride                          | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Chlorobenzene                                 | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Chloroethane                                  | 5            | ND (5)               | 1.8 J              | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Chloroform (Trichloromethane)                 | 7            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Chloromethane (Methyl Chloride)               | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| cis-1,2-Dichloroethene                        | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| cis-1,3-Dichloropropene                       | 0.4          | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Dibromochloromethane                          | 50           | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Ethylbenzene                                  | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| m,p-Xylenes                                   | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Methylene chloride                            | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| o-Xylene                                      | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Styrene                                       | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Tetrachloroethene                             | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Toluene                                       | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| trans-1,2-Dichloroethene                      | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| trans-1,3-Dichloropropene                     | 0.4          | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Trichloroethene                               | 5            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | 0.89 J            | ND (5)            | ND (5)            |
| Vinyl chloride                                | 2            | ND (5)               | ND (5)             | 5 R               | ND (5)            | ND (5)            | ND (5)            | ND (5)            | ND (5)            |
| Other (mg/L)                                  |              |                      |                    |                   |                   |                   |                   |                   |                   |
| Acetic acid                                   | -            | 1.5 J                | ND (1)             | -                 | -                 | -                 | -                 | -                 | -                 |
| Alkalinity, Total (as CaCO3)                  | -            | 138 J                | 170                | -                 | -                 | -                 | -                 | -                 | -                 |
| Butanoic acid                                 | -            | ND (2)               | ND (2)             | -                 | -                 | -                 | -                 | -                 | -                 |
| Carbon                                        | -            | 1.2 J                | 1.2                | -                 | -                 | -                 | -                 | -                 | -                 |
| Chloride                                      | -            | 1560 J               | 5090               | -                 | -                 | -                 | -                 | -                 | -                 |
| Lactic Acid                                   | -            | ND (1)               | ND (1)             | -                 | -                 | -                 | -                 | -                 | -                 |
| Nitrate (as N)                                | -            | ND (1)               | 1.9                | -                 | -                 | -                 | -                 | -                 | -                 |
| Nitrite (as N)                                | -            | ND (0.01)            | ND (10)            | -                 | -                 | -                 | -                 | -                 | -                 |
| Propionic acid                                | -            | ND (1)               | ND (1)             | -                 | -                 | -                 | -                 | -                 | -                 |
| Pyruvic Acid                                  | -            | ND (0.5)             | ND (0.5)           | -                 | -                 | -                 | -                 | -                 | -                 |
| Sulfate                                       | 250          | 668 J <sup>[A]</sup> | 271 <sup>[A]</sup> | -                 | -                 | -                 | -                 | -                 | -                 |
| Sulfide                                       | -            | ND (1)               | ND (1)             | -                 | -                 | -                 | -                 | -                 | -                 |
| Other (ug/L)                                  |              |                      |                    |                   |                   |                   |                   |                   |                   |
| Ethane                                        | -            | ND (1)               | ND (1)             | -                 | -                 | -                 | -                 | -                 | -                 |



TABLE III  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
DOWN-GRADIENT WELLS  
COOPERVISION  
SCOTTSVILLE, NY

| Location<br>Sample Name<br>Sample Date<br>Sample Type<br>Sample Depth (bgs) | Action Level<br>NYSDEC<br>TOGS<br>Ambient<br>Water | MW-202            |                   | MW-203            |                   | MW-204            |                   | OW-306            |                   |
|-----------------------------------------------------------------------------|----------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                                                                             |                                                    | MW202-102116-1230 | MW202-042617-1210 | MW203-101716-1640 | MW203-042517-1640 | MW204-102116-1350 | MW204-042517-1725 | OW306-102116-1445 | OW306-042617-1445 |
|                                                                             |                                                    | 10/21/2016        | 04/26/2017        | 10/17/2016        | 04/25/2017        | 10/21/2016        | 04/25/2017        | 10/21/2016        | 04/26/2017        |
|                                                                             |                                                    | N                 | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
|                                                                             |                                                    | 10.2 - 20.3 (ft)  | 10.2 - 20.3 (ft)  | 9.8 - 20 (ft)     | 9.8 - 20 (ft)     | 9.8 - 20 (ft)     | 9.8 - 20 (ft)     | 4 - 14 (ft)       | 4 - 14 (ft)       |
| Ethene                                                                      | -                                                  | ND (1)            | ND (1)            | -                 | -                 | -                 | -                 | -                 | -                 |
| Methane                                                                     | -                                                  | <b>29 J</b>       | ND (1)            | -                 | -                 | -                 | -                 | -                 | -                 |
| Propane                                                                     | -                                                  | ND (1)            | ND (1)            | -                 | -                 | -                 | -                 | -                 | -                 |
| Inorganic Compounds (ug/L)                                                  |                                                    |                   |                   |                   |                   |                   |                   |                   |                   |
| Iron, Dissolved                                                             | 300                                                | ND (100)          | ND (100)          | -                 | -                 | -                 | -                 | -                 | -                 |
| Iron, Total                                                                 | 300                                                | ND (100)          | <b>120</b>        | -                 | -                 | -                 | -                 | -                 | -                 |

Notes:  
1. Results shaded orange exceed the following criteria:  
[A] - NYSDEC TOGS Ambient Water Class GA  
2. Results in **bold** were detected.  
3. ND - Not detected above reporting limit.  
J - Estimated result  
ND (#) J - Not detected, estimated reporting limit.  
R - Data rejected by validator

TABLE I  
COOPERVISION, INC  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
SOURCE AREA WELLS

| Location<br>Sample ID<br>Sample Date<br>Sample Type<br>Sample Depth (bgs) | NYSDEC TOGS<br>AMBIENT WATER<br>Class GA | MW-205                |                       |                         | OWS-302              |                        |
|---------------------------------------------------------------------------|------------------------------------------|-----------------------|-----------------------|-------------------------|----------------------|------------------------|
|                                                                           |                                          | MW-205_040215         | MW-205_100615         | MW-205-040716-1315      | OWS-302_100615       | OWS-302-040716-1130    |
|                                                                           |                                          | 04/02/2015            | 10/06/2015            | 04/07/2016              | 10/06/2015           | 04/07/2016             |
|                                                                           |                                          | N                     | N                     | N                       | N                    | N                      |
|                                                                           |                                          | 21.2 - 28 (ft)        | 21.2 - 28 (ft)        | 21.2 - 28 (ft)          | 13 - 17.8 (ft)       | 13 - 17.8 (ft)         |
| Volatile Organic Compounds (ug/L)                                         |                                          |                       |                       |                         |                      |                        |
| 1,1,1-Trichloroethane                                                     | 5                                        | 61000 <sup>[A]</sup>  | 43000 <sup>[A]</sup>  | 57000 <sup>[A]</sup>    | ND (1300)            | ND (500)               |
| 1,1,2,2-Tetrachloroethane                                                 | 5                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| 1,1,2-Trichloroethane                                                     | 1                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| 1,1-Dichloroethane                                                        | 5                                        | 240000 <sup>[A]</sup> | 200000 <sup>[A]</sup> | 200000 J <sup>[A]</sup> | ND (1300)            | ND (500) J             |
| 1,1-Dichloroethene                                                        | 5                                        | 1900 J <sup>[A]</sup> | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| 1,2-Dichloroethane                                                        | 0.6                                      | ND (10000)            | ND (10000)            | ND (5000)               | ND (1300)            | ND (500)               |
| 1,2-Dichloropropane                                                       | 1                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| 2-Butanone (Methyl Ethyl Ketone)                                          | 50                                       | ND (20000)            | ND (20000)            | ND (10000)              | ND (2500)            | ND (1000)              |
| 2-Hexanone                                                                | 50                                       | ND (20000)            | ND (20000)            | ND (10000)              | ND (2500)            | ND (1000)              |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)                             |                                          | ND (20000)            | ND (20000)            | ND (10000)              | ND (2500)            | ND (1000)              |
| Acetone                                                                   | 50                                       | ND (20000)            | ND (20000)            | ND (10000)              | ND (2500)            | ND (1000)              |
| Benzene                                                                   | 1                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| Bromodichloromethane                                                      | 50                                       | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| Bromoform                                                                 | 50                                       | ND (10000)            | ND (10000)            | ND (5000)               | ND (1300)            | ND (500)               |
| Bromomethane (Methyl Bromide)                                             | 5                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| Carbon disulfide                                                          | 60                                       | ND (20000)            | ND (20000)            | ND (10000)              | ND (2500)            | ND (1000)              |
| Carbon tetrachloride                                                      | 5                                        | ND (10000)            | ND (10000)            | ND (5000)               | ND (1300)            | ND (500)               |
| Chlorobenzene                                                             | 5                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| Chloroethane                                                              | 5                                        | 960 J <sup>[A]</sup>  | ND (10000)            | ND (5000) J             | 41000 <sup>[A]</sup> | 15000 J <sup>[A]</sup> |
| Chloroform (Trichloromethane)                                             | 7                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| Chloromethane (Methyl Chloride)                                           | 5                                        | ND (10000)            | ND (10000)            | ND (5000)               | ND (1300)            | ND (500)               |
| cis-1,2-Dichloroethene                                                    | 5                                        | ND (10000)            | ND (10000)            | ND (5000)               | ND (1300)            | ND (500)               |
| cis-1,3-Dichloropropene                                                   | 0.4                                      | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| Dibromochloromethane                                                      | 50                                       | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| Ethylbenzene                                                              | 5                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| m,p-Xylenes                                                               | 5                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| Methylene chloride                                                        | 5                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| o-Xylene                                                                  | 5                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| Styrene                                                                   | 5                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| Tetrachloroethene                                                         | 5                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| Toluene                                                                   | 5                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| trans-1,2-Dichloroethene                                                  | 5                                        | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| trans-1,3-Dichloropropene                                                 | 0.4                                      | ND (10000)            | ND (10000)            | ND (5000) J             | ND (1300)            | ND (500) J             |
| Trichloroethene                                                           | 5                                        | ND (10000)            | ND (10000)            | ND (5000)               | ND (1300)            | ND (500)               |
| Vinyl chloride                                                            | 2                                        | ND (10000)            | ND (10000)            | ND (5000)               | ND (1300)            | ND (500)               |

TABLE I  
COOPERVISION, INC  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
SOURCE AREA WELLS

| Location<br>Sample ID<br>Sample Date<br>Sample Type<br>Sample Depth (bgs) | NYSDEC TOGS<br>AMBIENT WATER<br>Class GA | MW-205         |                       |                       | OWS-302              |                     |
|---------------------------------------------------------------------------|------------------------------------------|----------------|-----------------------|-----------------------|----------------------|---------------------|
|                                                                           |                                          | MW-205_040215  | MW-205_100615         | MW-205-040716-1315    | OWS-302_100615       | OWS-302-040716-1130 |
|                                                                           |                                          | 04/02/2015     | 10/06/2015            | 04/07/2016            | 10/06/2015           | 04/07/2016          |
|                                                                           |                                          | N              | N                     | N                     | N                    | N                   |
|                                                                           |                                          | 21.2 - 28 (ft) | 21.2 - 28 (ft)        | 21.2 - 28 (ft)        | 13 - 17.8 (ft)       | 13 - 17.8 (ft)      |
| <b>Other (mg/L)</b>                                                       |                                          |                |                       |                       |                      |                     |
| Acetic acid                                                               |                                          | 940            | 1000                  | 1200                  |                      |                     |
| Alkalinity, Total (as CaCO3)                                              |                                          | 3400           | 3490                  | 3310 J-               | 730                  | 658 J-              |
| Butanoic acid                                                             |                                          | 3100           | 3100                  | 2900                  |                      |                     |
| Chloride                                                                  |                                          | 731            | 787                   | 738                   | 2660                 | 2660                |
| Lactic Acid                                                               |                                          | ND (25)        | ND (50)               | ND (25)               |                      |                     |
| Nitrate (as N)                                                            |                                          | ND (1)         | ND (1)                | ND (1)                | ND (1)               | ND (1)              |
| Nitrite (as N)                                                            |                                          |                | ND (20)               |                       | ND (40)              |                     |
| Propionic acid                                                            |                                          | 770            | 750                   | 830                   |                      |                     |
| Pyruvic Acid                                                              |                                          | ND (13)        | ND (25)               | ND (13)               |                      |                     |
| Sulfate                                                                   |                                          | 8.9            | 10.2                  | 15.2                  | ND (2)               | ND (2)              |
| Sulfide                                                                   |                                          | ND (1)         | ND (5)                | ND (1)                | 1.1                  | ND (1)              |
| Sulfide (Acid Soluble)                                                    |                                          |                | ND (5)                | ND (1)                | 1.1                  | ND (1)              |
| <b>Other (ug/L)</b>                                                       |                                          |                |                       |                       |                      |                     |
| Ethane                                                                    |                                          | ND (25)        | ND (25)               | 17 J                  | ND (10)              | ND (200)            |
| Ethene                                                                    |                                          | ND (25)        | ND (25)               | 13 J                  | ND (10)              | ND (200)            |
| Methane                                                                   |                                          | 3000 D         | 4000                  | 3300 J                | 14000                | 16000               |
| Propane                                                                   |                                          | ND (25)        | ND (25)               | ND (1) J              | ND (10)              | ND (200)            |
| <b>Inorganic Compounds (mg/L)</b>                                         |                                          |                |                       |                       |                      |                     |
| Nitrite (as N)                                                            |                                          | 0.056          |                       |                       |                      |                     |
| <b>Inorganic Compounds (ug/L)</b>                                         |                                          |                |                       |                       |                      |                     |
| Iron, Dissolved                                                           | 300                                      |                | 118000 <sup>[A]</sup> | 111000 <sup>[A]</sup> | 14500 <sup>[A]</sup> | 1730 <sup>[A]</sup> |
| Iron, Total                                                               | 300                                      |                | 119000 <sup>[A]</sup> | 117000 <sup>[A]</sup> | 15600 <sup>[A]</sup> | 7060 <sup>[A]</sup> |

Notes:  
Values in bold are detected analytical results  
[A] - Results exceed the NYSDEC TOGS Aambient Water Class GA

TABLE II  
COOPERVISION, INC.  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
MID-GRADIENT WELLS

| Location                                      | Sample ID   | NYSDEC TOGS         | BAP-01        |              |                    | BAP-02        |              |                    | MW-3        |             |                  |
|-----------------------------------------------|-------------|---------------------|---------------|--------------|--------------------|---------------|--------------|--------------------|-------------|-------------|------------------|
| Sample Date                                   | Sample Type | AMBIENT WATER Class | BAP-01_040215 | BAP-1_100615 | BAP-01-040816-0900 | BAP-02_040215 | BAP-2_100615 | BAP-02-040816-1030 | MW-3_040115 | MW-3_100515 | MW-3-040716-1630 |
| Sample Depth (bgs)                            |             | GA                  | 04/02/2015    | 10/06/2015   | 04/08/2016         | 04/02/2015    | 10/06/2015   | 04/08/2016         | 04/01/2015  | 10/05/2015  | 04/07/2016       |
|                                               |             |                     | N             | N            | N                  | N             | N            | N                  | N           | N           | N                |
|                                               |             |                     | 10 - 20 (ft)  | 10 - 20 (ft) | 10 - 20 (ft)       | 10 - 20 (ft)  | 10 - 20 (ft) | 10 - 20 (ft)       | 3 - 10 (ft) | 3 - 10 (ft) | 3 - 10 (ft)      |
| Volatile Organic Compounds (ug/L)             |             |                     |               |              |                    |               |              |                    |             |             |                  |
| 1,1,1-Trichloroethane                         | 5           |                     | ND (100)      | ND (50)      | ND (50)            | ND (10)       | ND (13)      | ND (13)            | 1.9 J       | ND (25) J   | ND (13)          |
| 1,1,2,2-Tetrachloroethane                     | 5           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| 1,1,2-Trichloroethane                         | 1           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| 1,1-Dichloroethane                            | 5           |                     | 1800 [A]      | 1300 [A]     | 2000 J- [A]        | 210 [A]       | 320 [A]      | 430 J- [A]         | 25 [A]      | 70 J [A]    | 61 J- [A]        |
| 1,1-Dichloroethene                            | 5           |                     | 1800 [A]      | 1200 [A]     | 1100 J- [A]        | 57 [A]        | 67 [A]       | 82 J- [A]          | ND (5)      | ND (25) J   | ND (13) J        |
| 1,2-Dichloroethane                            | 0.6         |                     | 8.6 J [A]     | ND (50)      | ND (50)            | ND (10)       | ND (13)      | ND (13)            | ND (5)      | ND (25) J   | ND (13)          |
| 1,2-Dichloropropane                           | 1           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| 2-Butanone (Methyl Ethyl Ketone)              | 50          |                     | ND (200)      | ND (100)     | ND (100)           | ND (20)       | ND (25)      | ND (25)            | ND (10)     | ND (50) J   | ND (25)          |
| 2-Hexanone                                    | 50          |                     | ND (200)      | ND (100)     | ND (100)           | ND (20)       | ND (25)      | ND (25)            | ND (10)     | ND (50) J   | ND (25)          |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) |             |                     | ND (200)      | ND (100)     | ND (100)           | ND (20)       | ND (25)      | ND (25)            | ND (10)     | ND (50) J   | ND (25)          |
| Acetone                                       | 50          |                     | ND (200)      | ND (100)     | ND (100)           | 3.3 J         | ND (25)      | ND (25)            | 2.7 J       | ND (50) J   | ND (25)          |
| Benzene                                       | 1           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| Bromodichloromethane                          | 50          |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| Bromoform                                     | 50          |                     | ND (100)      | ND (50)      | ND (50)            | ND (10)       | ND (13)      | ND (13)            | ND (5)      | ND (25) J   | ND (13)          |
| Bromomethane (Methyl Bromide)                 | 5           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| Carbon disulfide                              | 60          |                     | ND (200)      | ND (100)     | ND (100)           | 0.54 J        | ND (25)      | ND (25)            | ND (10)     | ND (50) J   | ND (25)          |
| Carbon tetrachloride                          | 5           |                     | ND (100)      | ND (50)      | ND (50)            | ND (10)       | ND (13)      | ND (13)            | ND (5)      | ND (25) J   | ND (13)          |
| Chlorobenzene                                 | 5           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| Chloroethane                                  | 5           |                     | 240 [A]       | 250 [A]      | 300 J- [A]         | 7.8 J [A]     | 22 [A]       | 14 J- [A]          | 110 [A]     | 580 J [A]   | 310 J- [A]       |
| Chloroform (Trichloromethane)                 | 7           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| Chloromethane (Methyl Chloride)               | 5           |                     | ND (100)      | ND (50)      | ND (50)            | ND (10)       | ND (13)      | ND (13)            | ND (5)      | ND (25) J   | ND (13)          |
| cis-1,2-Dichloroethene                        | 5           |                     | 8.2 J [A]     | ND (50)      | ND (50)            | ND (10)       | ND (13)      | ND (13)            | ND (5)      | ND (25) J   | ND (13)          |
| cis-1,3-Dichloropropene                       | 0.4         |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| Dibromochloromethane                          | 50          |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| Ethylbenzene                                  | 5           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| m,p-Xylenes                                   | 5           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| Methylene chloride                            | 5           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| o-Xylene                                      | 5           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| Styrene                                       | 5           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| Tetrachloroethene                             | 5           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| Toluene                                       | 5           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| trans-1,2-Dichloroethene                      | 5           |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| trans-1,3-Dichloropropene                     | 0.4         |                     | ND (100)      | ND (50)      | ND (50) J          | ND (10)       | ND (13)      | ND (13) J          | ND (5)      | ND (25) J   | ND (13) J        |
| Trichloroethene                               | 5           |                     | 25 J [A]      | ND (50)      | ND (50)            | 0.56 J        | ND (13)      | ND (13)            | 0.31 J      | ND (25) J   | ND (13)          |
| Vinyl chloride                                | 2           |                     | 94 J [A]      | 110 [A]      | 770 [A]            | 2.5 J [A]     | 150 [A]      | 87 [A]             | 4 J [A]     | 54 J [A]    | 24 [A]           |

TABLE II  
COOPERVISION, INC.  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
MID-GRADIENT WELLS

| Location                     |                     |  | BAP-01        |              | BAP-02             |               |              | MW-3               |             |             |                  |
|------------------------------|---------------------|--|---------------|--------------|--------------------|---------------|--------------|--------------------|-------------|-------------|------------------|
| Sample ID                    |                     |  | BAP-01_040215 | BAP-1_100615 | BAP-01-040816-0900 | BAP-02_040215 | BAP-2_100615 | BAP-02-040816-1030 | MW-3_040115 | MW-3_100515 | MW-3-040716-1630 |
| Sample Date                  | NYSDEC TOGS         |  | 04/02/2015    | 10/06/2015   | 04/08/2016         | 04/02/2015    | 10/06/2015   | 04/08/2016         | 04/01/2015  | 10/05/2015  | 04/07/2016       |
| Sample Type                  | AMBIENT WATER Class |  | N             | N            | N                  | N             | N            | N                  | N           | N           | N                |
| Sample Depth (bgs)           | GA                  |  | 10 - 20 (ft)  | 10 - 20 (ft) | 10 - 20 (ft)       | 10 - 20 (ft)  | 10 - 20 (ft) | 10 - 20 (ft)       | 3 - 10 (ft) | 3 - 10 (ft) | 3 - 10 (ft)      |
| Other (mg/L)                 |                     |  |               |              |                    |               |              |                    |             |             |                  |
| Acetic acid                  |                     |  | 5.5           | 10           | 43                 | ND (1)        | 1.8          | 2.9                |             |             |                  |
| Alkalinity, Total (as CaCO3) |                     |  | 261           | 261          | 328 J-             | 258           | 276          | 287 J-             |             | 263 J       | 240 J-           |
| Butanoic acid                |                     |  | ND (2)        | ND (2)       | ND (2)             | ND (2)        | ND (2)       | ND (2)             |             |             |                  |
| Carbon                       |                     |  | 6.5           | 10.1         | 26.7               | 6.6           | 4.3          | 11.6               |             |             |                  |
| Chloride                     |                     |  | 496           | 419          | 551                | 580           | 1410         | 1020               | 530         | 371 J       | 259              |
| Lactic Acid                  |                     |  | ND (1)        | ND (1)       | ND (1)             | ND (1)        | ND (1)       | ND (1)             |             |             |                  |
| Nitrate (as N)               |                     |  | ND (1)        | ND (1)       | ND (1)             | ND (1)        | ND (1)       | ND (1)             | ND (1)      | ND (1) J    | ND (1)           |
| Nitrite (as N)               |                     |  |               | ND (10)      |                    |               | ND (30)      |                    |             | ND (10) J   | ND (1)           |
| Propionic acid               |                     |  | ND (1)        | 2.2          | 9                  | ND (1)        | ND (1)       | ND (1)             |             |             |                  |
| Pyruvic Acid                 |                     |  | ND (0.5)      | ND (0.5)     | ND (0.5)           | ND (0.5)      | ND (0.5)     | ND (0.5)           |             |             |                  |
| Sulfate                      |                     |  | 189           | 276          | 33.3               | 178           | 62.3         | 44.1               | 20.9        | 14.8 J      | 21.7             |
| Sulfide                      |                     |  | 3.3           | 9            | 4                  | 2.4           | ND (5)       | ND (1)             | ND (1)      | ND (5)      | ND (1)           |
| Sulfide (Acid Soluble)       |                     |  |               | 9            | 4                  |               | ND (5)       | ND (1)             |             | ND (5) J    | ND (1)           |
| Total Organic Carbon (TOC)   |                     |  |               | 10.1         | 26.7               |               | 4.3          | 11.6               |             |             |                  |
| Other (ug/L)                 |                     |  |               |              |                    |               |              |                    |             |             |                  |
| Ethane                       |                     |  | ND (5)        | ND (5)       | ND (25)            | 4             | ND (5)       | ND (10)            | ND (10)     | ND (20) J   | ND (25)          |
| Ethene                       |                     |  | ND (5)        | 7.2          | ND (25)            | ND (1)        | ND (5)       | ND (10)            | 25          | 42 J        | 29               |
| Methane                      |                     |  | 280           | 360          | 940                | 71            | 750          | 2500               | 760         | 1700 J      | 1300             |
| Propane                      |                     |  | ND (5)        | ND (5)       | ND (25)            | 1.4           | ND (5)       | ND (10)            | ND (10)     | ND (20) J   | ND (25)          |
| Inorganic Compounds (mg/L)   |                     |  |               |              |                    |               |              |                    |             |             |                  |
| Nitrite (as N)               |                     |  | 0.021         |              |                    | 0.055         |              |                    | 0.142       |             |                  |
| Inorganic Compounds (ug/L)   |                     |  |               |              |                    |               |              |                    |             |             |                  |
| Iron, Dissolved              | 300                 |  |               | 370 [A]      | 610 [A]            |               | 630 [A]      | 780 [A]            |             | ND (100) J  | ND (100)         |
| Iron, Total                  | 300                 |  |               | 247000 [A]   | 1370 [A]           |               | 184000 [A]   | 38600 [A]          |             | 41600 J [A] | 9790 [A]         |

Notes:  
Values in bold are detected analytical results  
[A] - Results exceed the NYSDEC TOGS Aambient Water Class GA



TABLE II  
COOPERVISION, INC.  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
MID-GRADIENT WELLS

| Location                                      |                     | MW-501              |                    |                       | MW-502              |                     |                        |
|-----------------------------------------------|---------------------|---------------------|--------------------|-----------------------|---------------------|---------------------|------------------------|
| Sample ID                                     |                     | MW-501_040215       | MW-501_100615      | MW-501-040716-1430    | MW-502_040215       | MW-502_100615       | MW-502-040716-1020     |
| Sample Date                                   | NYSDEC TOGS         | 04/02/2015          | 10/06/2015         | 04/07/2016            | 04/02/2015          | 10/06/2015          | 04/07/2016             |
| Sample Type                                   | AMBIENT WATER Class | N                   | N                  | N                     | N                   | N                   | N                      |
| Sample Depth (bgs)                            | GA                  | 20 - 25 (ft)        | 20 - 25 (ft)       | 20 - 25 (ft)          | 30 - 35 (ft)        | 30 - 35 (ft)        | 30 - 35 (ft)           |
| Volatile Organic Compounds (ug/L)             |                     |                     |                    |                       |                     |                     |                        |
| 1,1,1-Trichloroethane                         | 5                   | ND (50)             | ND (50)            | ND (5)                | ND (130)            | ND (130)            | ND (100)               |
| 1,1,2,2-Tetrachloroethane                     | 5                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| 1,1,2-Trichloroethane                         | 1                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| 1,1-Dichloroethane                            | 5                   | 140 <sup>[A]</sup>  | 71 <sup>[A]</sup>  | 37 J- <sup>[A]</sup>  | 89 J <sup>[A]</sup> | ND (130)            | ND (100) J             |
| 1,1-Dichloroethene                            | 5                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| 1,2-Dichloroethane                            | 0.6                 | ND (50)             | ND (50)            | ND (5)                | ND (130)            | ND (130)            | ND (100)               |
| 1,2-Dichloropropane                           | 1                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| 2-Butanone (Methyl Ethyl Ketone)              | 50                  | ND (100)            | ND (100)           | ND (10)               | ND (250)            | ND (250)            | ND (200)               |
| 2-Hexanone                                    | 50                  | ND (100)            | ND (100)           | ND (10)               | ND (250)            | ND (250)            | ND (200)               |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) |                     | ND (100)            | ND (100)           | ND (10)               | ND (250)            | ND (250)            | ND (200)               |
| Acetone                                       | 50                  | ND (100)            | ND (100)           | ND (10)               | ND (250)            | ND (250)            | ND (200)               |
| Benzene                                       | 1                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| Bromodichloromethane                          | 50                  | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| Bromoform                                     | 50                  | ND (50)             | ND (50)            | ND (5)                | ND (130)            | ND (130)            | ND (100)               |
| Bromomethane (Methyl Bromide)                 | 5                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| Carbon disulfide                              | 60                  | ND (100)            | ND (100)           | ND (10)               | ND (250)            | ND (250)            | ND (200)               |
| Carbon tetrachloride                          | 5                   | ND (50)             | ND (50)            | ND (5)                | ND (130)            | ND (130)            | ND (100)               |
| Chlorobenzene                                 | 5                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| Chloroethane                                  | 5                   | 1200 <sup>[A]</sup> | 990 <sup>[A]</sup> | 110 J- <sup>[A]</sup> | 3500 <sup>[A]</sup> | 4700 <sup>[A]</sup> | 2200 J- <sup>[A]</sup> |
| Chloroform (Trichloromethane)                 | 7                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| Chloromethane (Methyl Chloride)               | 5                   | ND (50)             | ND (50)            | ND (5)                | ND (130)            | ND (130)            | ND (100)               |
| cis-1,2-Dichloroethene                        | 5                   | ND (50)             | ND (50)            | ND (5)                | ND (130)            | ND (130)            | ND (100)               |
| cis-1,3-Dichloropropene                       | 0.4                 | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| Dibromochloromethane                          | 50                  | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| Ethylbenzene                                  | 5                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| m,p-Xylenes                                   | 5                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| Methylene chloride                            | 5                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| o-Xylene                                      | 5                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| Styrene                                       | 5                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| Tetrachloroethene                             | 5                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| Toluene                                       | 5                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| trans-1,2-Dichloroethene                      | 5                   | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| trans-1,3-Dichloropropene                     | 0.4                 | ND (50)             | ND (50)            | ND (5) J              | ND (130)            | ND (130)            | ND (100) J             |
| Trichloroethene                               | 5                   | ND (50)             | ND (50)            | ND (5)                | ND (130)            | ND (130)            | ND (100)               |
| Vinyl chloride                                | 2                   | 88 <sup>[A]</sup>   | 96 <sup>[A]</sup>  | 27 <sup>[A]</sup>     | 270 <sup>[A]</sup>  | 420 <sup>[A]</sup>  | 190 <sup>[A]</sup>     |

TABLE II  
COOPERVISION, INC.  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
MID-GRADIENT WELLS

| Location<br>Sample ID<br>Sample Date<br>Sample Type<br>Sample Depth (bgs) | NYSDEC TOGS<br>AMBIENT WATER Class<br>GA | MW-501        |                     |                     | MW-502               |                      |                      |
|---------------------------------------------------------------------------|------------------------------------------|---------------|---------------------|---------------------|----------------------|----------------------|----------------------|
|                                                                           |                                          | MW-501_040215 | MW-501_100615       | MW-501-040716-1430  | MW-502_040215        | MW-502_100615        | MW-502-040716-1020   |
|                                                                           |                                          | 04/02/2015    | 10/06/2015          | 04/07/2016          | 04/02/2015           | 10/06/2015           | 04/07/2016           |
|                                                                           |                                          | N             | N                   | N                   | N                    | N                    | N                    |
|                                                                           |                                          | 20 - 25 (ft)  | 20 - 25 (ft)        | 20 - 25 (ft)        | 30 - 35 (ft)         | 30 - 35 (ft)         | 30 - 35 (ft)         |
| <b>Other (mg/L)</b>                                                       |                                          |               |                     |                     |                      |                      |                      |
| Acetic acid                                                               |                                          |               |                     |                     |                      |                      |                      |
| Alkalinity, Total (as CaCO3)                                              |                                          | 293           | 379                 | 216 J-              | 445                  | 446                  | 422 J-               |
| Butanoic acid                                                             |                                          |               |                     |                     |                      |                      |                      |
| Carbon                                                                    |                                          |               |                     |                     |                      |                      |                      |
| Chloride                                                                  |                                          | 5590          | 3960                | 5290                | 780                  | 777                  | 694                  |
| Lactic Acid                                                               |                                          |               |                     |                     |                      |                      |                      |
| Nitrate (as N)                                                            |                                          | ND (1)        | ND (1)              | ND (1)              | ND (1)               | ND (1)               | ND (1)               |
| Nitrite (as N)                                                            |                                          |               | ND (100)            |                     |                      | ND (20)              |                      |
| Propionic acid                                                            |                                          |               |                     |                     |                      |                      |                      |
| Pyruvic Acid                                                              |                                          |               |                     |                     |                      |                      |                      |
| Sulfate                                                                   |                                          | 92            | 82.6                | 103                 | 2.7                  | 3                    | 5.4                  |
| Sulfide                                                                   |                                          | 1.1           | ND (1)              | ND (1)              | 1.3                  | ND (5)               | ND (1)               |
| Sulfide (Acid Soluble)                                                    |                                          |               | ND (1)              | ND (1)              |                      | ND (5)               | ND (1)               |
| Total Organic Carbon (TOC)                                                |                                          |               |                     |                     |                      |                      |                      |
| <b>Other (ug/L)</b>                                                       |                                          |               |                     |                     |                      |                      |                      |
| Ethane                                                                    |                                          | ND (50)       | ND (50)             | ND (250)            | ND (250)             | ND (250)             | ND (250)             |
| Ethene                                                                    |                                          | ND (50)       | ND (50)             | ND (250)            | ND (250)             | ND (250)             | ND (250)             |
| Methane                                                                   |                                          | 16000 D       | 9000                | 16000               | 15000                | 20000                | 23000                |
| Propane                                                                   |                                          | ND (50)       | ND (50)             | ND (250)            | ND (250)             | ND (250)             | ND (250)             |
| <b>Inorganic Compounds (mg/L)</b>                                         |                                          |               |                     |                     |                      |                      |                      |
| Nitrite (as N)                                                            |                                          | 0.011         |                     |                     | ND (0.01)            |                      |                      |
| <b>Inorganic Compounds (ug/L)</b>                                         |                                          |               |                     |                     |                      |                      |                      |
| Iron, Dissolved                                                           | 300                                      |               | 2160 <sup>[A]</sup> | 1050 <sup>[A]</sup> |                      | 6870 <sup>[A]</sup>  | 3820 <sup>[A]</sup>  |
| Iron, Total                                                               | 300                                      |               | 5760 <sup>[A]</sup> | 7900 <sup>[A]</sup> | 88400 <sup>[A]</sup> | 51700 <sup>[A]</sup> | 15500 <sup>[A]</sup> |

**Notes:**  
Values in bold are detected analytical results  
[A] - Results exceed the NYSDEC TOGS Aambient Water Class GA

TABLE III  
COOPERVISION, INC.  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
DOWN-GRADIENT WELLS

| Location                                      |                                 | MW-202           |                  |                    | MW-203        |               |                    | MW-204        |               |                    | OW-306        |               |                    |
|-----------------------------------------------|---------------------------------|------------------|------------------|--------------------|---------------|---------------|--------------------|---------------|---------------|--------------------|---------------|---------------|--------------------|
| Sample ID                                     |                                 | MW-202_040115    | MW-202_100515    | MW-202-040716-1550 | MW-203_040115 | MW-203_100515 | MW-203-040816-1500 | MW-204_040115 | MW-204_100615 | MW-204-040816-1410 | OW-306_040115 | OW-306_100515 | OW-306-040816-1320 |
| Sample Date                                   | NYSDEC TOGS AMBIENT WATER Class | 04/01/2015       | 10/05/2015       | 04/07/2016         | 04/01/2015    | 10/05/2015    | 04/08/2016         | 04/01/2015    | 10/06/2015    | 04/08/2016         | 04/01/2015    | 10/05/2015    | 04/08/2016         |
| Sample Type                                   | GA                              | N                | N                | N                  | N             | N             | N                  | N             | N             | N                  | N             | N             | N                  |
| Sample Depth (bgs)                            |                                 | 10.1 - 20.3 (ft) | 10.1 - 20.3 (ft) | 10.2 - 20.3 (ft)   | 9.8 - 20 (ft) | 9.8 - 20 (ft) | 9.8 - 20 (ft)      | 9.8 - 20 (ft) | 9.8 - 20 (ft) | 9.8 - 20 (ft)      | 4 - 14 (ft)   | 4 - 14 (ft)   | 4 - 14 (ft)        |
| Volatile Organic Compounds (ug/L)             |                                 |                  |                  |                    |               |               |                    |               |               |                    |               |               |                    |
| 1,1,1-Trichloroethane                         | 5                               | 1.7 J            | ND (5) J         | ND (5)             | ND (5)        | ND (5) J      | ND (5)             | 6.6 [A]       | ND (5)        | ND (5)             | ND (5)        | ND (5) J      | ND (5)             |
| 1,1,2,2-Tetrachloroethane                     | 5                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| 1,1,2-Trichloroethane                         | 1                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| 1,1-Dichloroethane                            | 5                               | 64 [A]           | 72 J [A]         | 43 J- [A]          | ND (5)        | ND (5) J      | ND (5) J           | 8.9 [A]       | 7 [A]         | 5.3 J- [A]         | 0.21 J        | ND (5) J      | ND (5) J           |
| 1,1-Dichloroethene                            | 5                               | 50 [A]           | 59 J [A]         | 32 J- [A]          | ND (5)        | ND (5) J      | ND (5) J           | 8.8 [A]       | 6 [A]         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| 1,2-Dichloroethane                            | 0.6                             | ND (5)           | ND (5) J         | ND (5)             | ND (5)        | ND (5) J      | ND (5)             | ND (5)        | ND (5)        | ND (5)             | ND (5)        | ND (5) J      | ND (5)             |
| 1,2-Dichloropropane                           | 1                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| 2-Butanone (Methyl Ethyl Ketone)              | 50                              | ND (10)          | ND (10) J        | ND (10)            | ND (10)       | ND (10) J     | ND (10)            | ND (10)       | ND (10)       | ND (10)            | ND (10)       | ND (10) J     | ND (10)            |
| 2-Hexanone                                    | 50                              | ND (10)          | ND (10) J        | ND (10)            | ND (10)       | ND (10) J     | ND (10)            | ND (10)       | ND (10)       | ND (10)            | ND (10)       | ND (10) J     | ND (10)            |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) |                                 | ND (10)          | ND (10) J        | ND (10)            | ND (10)       | ND (10) J     | ND (10)            | ND (10)       | ND (10)       | ND (10)            | ND (10)       | ND (10) J     | ND (10)            |
| Acetone                                       | 50                              | ND (10)          | ND (10) J        | ND (10)            | ND (10)       | ND (10) J     | ND (10)            | ND (10)       | ND (10)       | ND (10)            | 2.7 J         | ND (10) J     | ND (10)            |
| Benzene                                       | 1                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | 0.21 J        | ND (5) J      | ND (5) J           |
| Bromodichloromethane                          | 50                              | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| Bromoform                                     | 50                              | ND (5)           | ND (5) J         | ND (5)             | ND (5)        | ND (5) J      | ND (5)             | ND (5)        | ND (5)        | ND (5)             | ND (5)        | ND (5) J      | ND (5)             |
| Bromomethane (Methyl Bromide)                 | 5                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| Carbon disulfide                              | 60                              | ND (10)          | ND (10) J        | ND (10)            | ND (10)       | ND (10) J     | ND (10)            | ND (10)       | ND (10)       | ND (10)            | ND (10)       | ND (10) J     | ND (10)            |
| Carbon tetrachloride                          | 5                               | ND (5)           | ND (5) J         | ND (5)             | ND (5)        | ND (5) J      | ND (5)             | ND (5)        | ND (5)        | ND (5)             | ND (5)        | ND (5) J      | ND (5)             |
| Chlorobenzene                                 | 5                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| Chloroethane                                  | 5                               | 1.3 J            | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| Chloroform (Trichloromethane)                 | 7                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| Chloromethane (Methyl Chloride)               | 5                               | ND (5)           | ND (5) J         | ND (5)             | ND (5)        | ND (5) J      | ND (5)             | ND (5)        | ND (5)        | ND (5)             | ND (5)        | ND (5) J      | ND (5)             |
| cis-1,2-Dichloroethene                        | 5                               | ND (5)           | ND (5) J         | ND (5)             | ND (5)        | ND (5) J      | ND (5)             | ND (5)        | ND (5)        | ND (5)             | ND (5)        | ND (5) J      | ND (5)             |
| cis-1,3-Dichloropropene                       | 0.4                             | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| Dibromochloromethane                          | 50                              | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| Ethylbenzene                                  | 5                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| m,p-Xylenes                                   | 5                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | 0.37 J        | ND (5) J      | ND (5) J           |
| Methylene chloride                            | 5                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| o-Xylene                                      | 5                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| Styrene                                       | 5                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| Tetrachloroethene                             | 5                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| Toluene                                       | 5                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | 0.4 J         | ND (5) J      | ND (5) J           |
| trans-1,2-Dichloroethene                      | 5                               | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| trans-1,3-Dichloropropene                     | 0.4                             | ND (5)           | ND (5) J         | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           | ND (5)        | ND (5)        | ND (5) J           | ND (5)        | ND (5) J      | ND (5) J           |
| Trichloroethene                               | 5                               | 0.63 J           | ND (5) J         | ND (5)             | ND (5)        | ND (5) J      | ND (5)             | 2.1 J         | ND (5)        | ND (5)             | ND (5)        | ND (5) J      | ND (5)             |
| Vinyl chloride                                | 2                               | ND (5)           | ND (5) J         | ND (5)             | ND (5)        | ND (5) J      | ND (5)             | ND (5)        | ND (5)        | ND (5)             | ND (5)        | ND (5) J      | ND (5)             |



TABLE III  
COOPERVISION, INC.  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
DOWN-GRADIENT WELLS

| Location                          | MW-202        |               |                    | MW-203           |                  |                    | MW-204        |               |                    | OW-306        |               |                    |             |             |
|-----------------------------------|---------------|---------------|--------------------|------------------|------------------|--------------------|---------------|---------------|--------------------|---------------|---------------|--------------------|-------------|-------------|
| Sample ID                         | MW-202_040115 | MW-202_100515 | MW-202-040716-1550 | MW-203_040115    | MW-203_100515    | MW-203-040816-1500 | MW-204_040115 | MW-204_100615 | MW-204-040816-1410 | OW-306_040115 | OW-306_100515 | OW-306-040816-1320 |             |             |
| Sample Date                       | NYSDEC        | TOGS          | AMBIENT            | WATER            | Class            | 04/01/2015         | 10/05/2015    | 04/07/2016    | 04/01/2015         | 10/05/2015    | 04/08/2016    | 04/01/2015         | 10/05/2015  | 04/08/2016  |
| Sample Type                       | GA            |               |                    | N                | N                | N                  | N             | N             | N                  | N             | N             | N                  | N           | N           |
| Sample Depth (bgs)                |               |               |                    | 10.1 - 20.3 (ft) | 10.1 - 20.3 (ft) | 10.2 - 20.3 (ft)   | 9.8 - 20 (ft) | 9.8 - 20 (ft) | 9.8 - 20 (ft)      | 9.8 - 20 (ft) | 9.8 - 20 (ft) | 4 - 14 (ft)        | 4 - 14 (ft) | 4 - 14 (ft) |
| <b>Other (mg/L)</b>               |               |               |                    |                  |                  |                    |               |               |                    |               |               |                    |             |             |
| Acetic acid                       |               |               |                    | ND (1)           | ND (1) J         | ND (1)             |               |               |                    |               |               |                    |             |             |
| Alkalinity, Total (as CaCO3)      |               |               |                    | 160              | 136 J            | 128 J-             |               |               |                    |               |               |                    |             |             |
| Butanoic acid                     |               |               |                    | ND (2)           | ND (2) J         | ND (2)             |               |               |                    |               |               |                    |             |             |
| Carbon                            |               |               |                    | ND (1)           | ND (1)           | 2.8                |               |               |                    |               |               |                    |             |             |
| Chloride                          |               |               |                    | 3800             | 1540 J           | 2180               |               |               |                    |               |               |                    |             |             |
| Lactic Acid                       |               |               |                    | ND (1)           | ND (1) J         | ND (1)             |               |               |                    |               |               |                    |             |             |
| Nitrate (as N)                    |               |               |                    | 2.6              | ND (1) J         | 1.2                |               |               |                    |               |               |                    |             |             |
| Nitrite (as N)                    |               |               |                    |                  | ND (40) J        |                    |               |               |                    |               |               |                    |             |             |
| Propionic acid                    |               |               |                    | ND (1)           | ND (1) J         | ND (1)             |               |               |                    |               |               |                    |             |             |
| Pyruvic Acid                      |               |               |                    | ND (0.5)         | ND (0.5) J       | ND (0.5)           |               |               |                    |               |               |                    |             |             |
| Sulfate                           |               |               |                    | 404              | 476 J            | 473                |               |               |                    |               |               |                    |             |             |
| Sulfide                           |               |               |                    | ND (1)           | 1                | ND (1)             |               |               |                    |               |               |                    |             |             |
| Sulfide (Acid Soluble)            |               |               |                    |                  | 1 J              | ND (1)             |               |               |                    |               |               |                    |             |             |
| Total Organic Carbon (TOC)        |               |               |                    |                  | ND (1) J         | ND (2)             |               |               |                    |               |               |                    |             |             |
| <b>Other (ug/L)</b>               |               |               |                    |                  |                  |                    |               |               |                    |               |               |                    |             |             |
| Ethane                            |               |               |                    | ND (1)           | ND (1) J         | ND (1)             |               |               |                    |               |               |                    |             |             |
| Ethene                            |               |               |                    | ND (1)           | ND (1) J         | ND (1)             |               |               |                    |               |               |                    |             |             |
| Methane                           |               |               |                    | ND (1)           | 5.6 J            | ND (1)             |               |               |                    |               |               |                    |             |             |
| Propane                           |               |               |                    | ND (1)           | ND (1) J         | ND (1)             |               |               |                    |               |               |                    |             |             |
| <b>Inorganic Compounds (mg/L)</b> |               |               |                    |                  |                  |                    |               |               |                    |               |               |                    |             |             |
| Nitrite (as N)                    |               |               |                    | 0.011            |                  |                    |               |               |                    |               |               |                    |             |             |
| <b>Inorganic Compounds (ug/L)</b> |               |               |                    |                  |                  |                    |               |               |                    |               |               |                    |             |             |
| Iron, Dissolved                   | 300           |               |                    |                  | ND (100) J       | ND (100)           |               |               |                    |               |               |                    |             |             |
| Iron, Total                       | 300           | 920 [A]       |                    |                  | 110 J            | 120                |               |               |                    |               |               |                    |             |             |

**Notes:**  
Values in bold are detected analytical results  
[A] - Results exceed the NYSDEC TOGS Aambient Water Class GA

TABLE I  
COOPERVISION, INC.  
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES  
SOURCE AREA WELLS

All values expressed in mg/L (ppm)

| Sample ID:<br>Well Screen Interval (ft):<br>Date Sampled: | OWS-302S<br>13.0 - 14.0 |           |           |           |           |           |           |           |           |           | MW-205<br>21.2 - 28.0 |            |            |            |            |            |            |            |            |            |            |
|-----------------------------------------------------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Compound:                                                 | 4/21/10                 | 10/18/10  | 4/13/11   | 10/14/11  | 4/13/12   | 10/19/12  | 4/12/13   | 10/3/13   | 4/2/14    | 4/20/15   | 4/21/10               | 10/18/10   | 4/13/11    | 10/14/11   | 4/13/12    | 10/19/12   | 4/26/13    | 10/3/13    | 4/2/14     | 10/13/14   | 4/2/15     |
|                                                           | 500x Dil.               | 500x Dil. | 500x Dil. | 500x Dil. | 500x Dil. | 500x Dil. | 500x Dil. | 250x Dil. | 250x Dil. | 250x Dil. | 1000x Dil.            | 2000x Dil. | 2000x Dil. | 2500x Dil. | 2000x Dil. | 2000x Dil. | 2000x Dil. | 2000x Dil. | 2000x Dil. | 2000x Dil. | 2000x Dil. |
| VOLATILE ORGANICS                                         |                         |           |           |           |           |           |           |           |           |           |                       |            |            |            |            |            |            |            |            |            |            |
| Acetone                                                   | ND                      | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND                    | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         |
| 1,1-Dichloroethane                                        | 56                      | 10        | 220 D     | ND        | ND        | ND        | 0.47      | ND        | ND        | ND        | 230 D                 | 220        | 300        | 230        | 250        | 250        | 240        | 230        | 220        | 200        | 240        |
| 1,1-Dichloroethene                                        | ND                      | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND                    | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | 1.9 J      |
| 1,1,1-Trichloroethane                                     | ND                      | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | 140                   | 160        | 130        | 110        | 120        | 210        | 140        | 110        | 75         | 60         | 61         |
| Tetrachloroethene                                         | ND                      | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND                    | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         |
| Trichloroethene                                           | ND                      | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND                    | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         |
| Chloroethane                                              | 30                      | 74        | 7.5       | 72        | 52        | 41        | 45        | 36        | 29        | 23        | ND                    | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | 0.96 J     |
| 1,2-Dichloroethane                                        | ND                      | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND                    | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         |
| Methylene Chloride                                        | ND                      | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND                    | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         |
| 1,1,2-Trichloroethane                                     | ND                      | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND                    | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         |
| 2-Butanone (MEK)                                          | ND                      | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND        | ND                    | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         |
| Vinyl Chloride                                            | ND                      | ND        | ND        | ND        | ND        | ND        | 0.052     | ND        | ND        | ND        | ND                    | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND         |
| 1,4-Dioxane                                               | NA                      | NA        | NA        | ND        | ND        | ND        | NA        | NA        | NA        | NA        | NA                    | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| SEMI-VOLATILE ORGANICS                                    |                         |           |           |           |           |           |           |           |           |           |                       |            |            |            |            |            |            |            |            |            |            |
| Bis(2-ethylhexyl) phthalate                               | NA                      | NA        | NA        | NA        | NA        | NA        | NA        | NA        | NA        | NA        | NA                    | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         | NA         |
| DISSOLVED GASES                                           | 10x Dil.                | 20x Dil.  |           | 125x Dil  | 125x Dil  | 125x Dil  | 100x Dil. | 200x Dil. | 100x Dil. | 10x Dil.  |                       |            |            |            |            |            | 5x Dil.    | 10x Dil.   | 25x Dil.   | 20x Dil.   | 50x Dil.   |
| Methane                                                   | 0.93                    | 1.3       | 0.054     | 11        | 13        | 17        | 6.6       | 14        | 8.8       | 0.46      | 0.011                 | 0.006      | 0.130      | 0.024      | 0.021      | 0.015      | 0.520      | 1.000      | 2.200      | 2.0        | 3.0        |
| Ethane                                                    | ND                      | ND        | 0.018     | 0.0057    | ND        | ND        | ND        | ND        | ND        | ND        | 0.013                 | 0.006      | 0.011      | 0.024      | 0.021      | 0.012      | 0.014      | 0.010      | ND         | 0.13       | ND         |
| Ethene                                                    | ND                      | ND        | 0.026     | 0.0052    | ND        | ND        | ND        | ND        | ND        | ND        | 0.012                 | 0.0062     | 0.0077     | 0.017      | 0.014      | 0.012      | 0.011      | 0.01       | ND         | 0.12       | ND         |

Notes & Abbreviations:  
ND: Not Detected  
NA: Not Analyzed  
DRY: Insufficient Recharge  
D: Diluted Result  
J: Estimated Result  
B: Blank Contamination

- The tables represent all data as reported from the lab in concentration format (mg/L).
- The time-trend graphs concentrations have been converted to mmol/L to provide better stoichiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale may vary between graphs in order to depict ranges of values for each well.

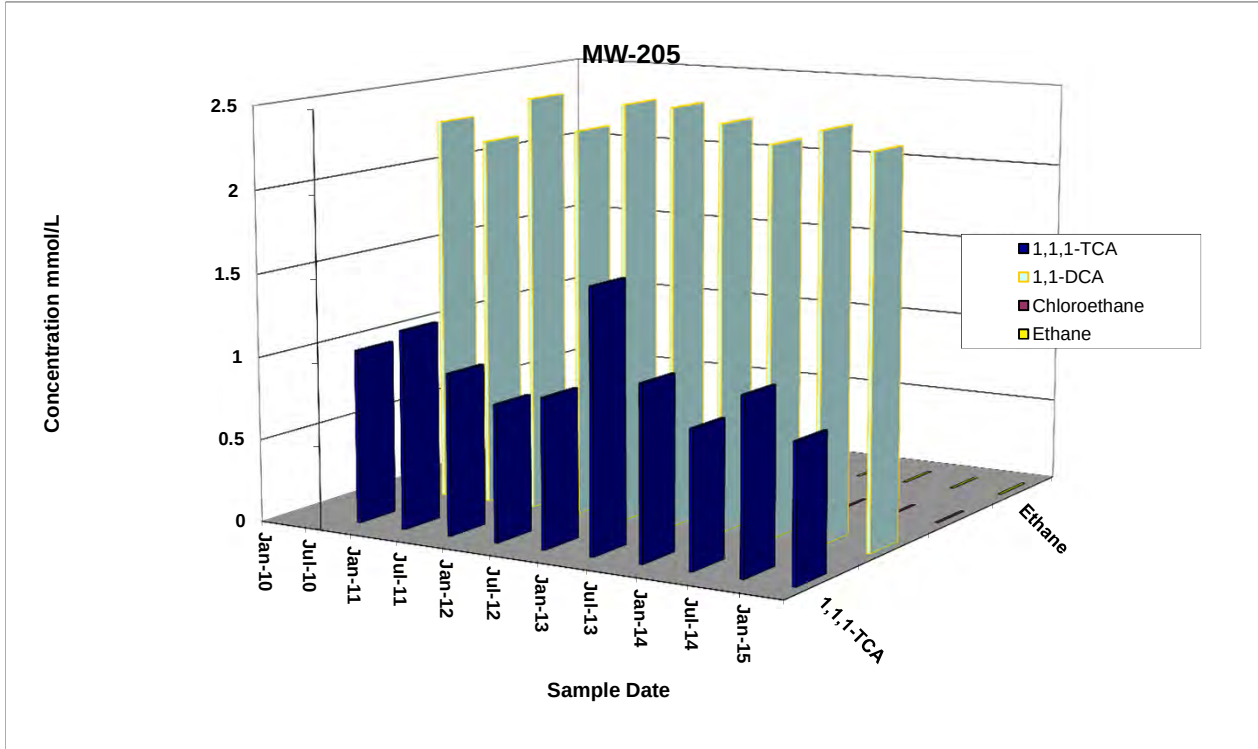
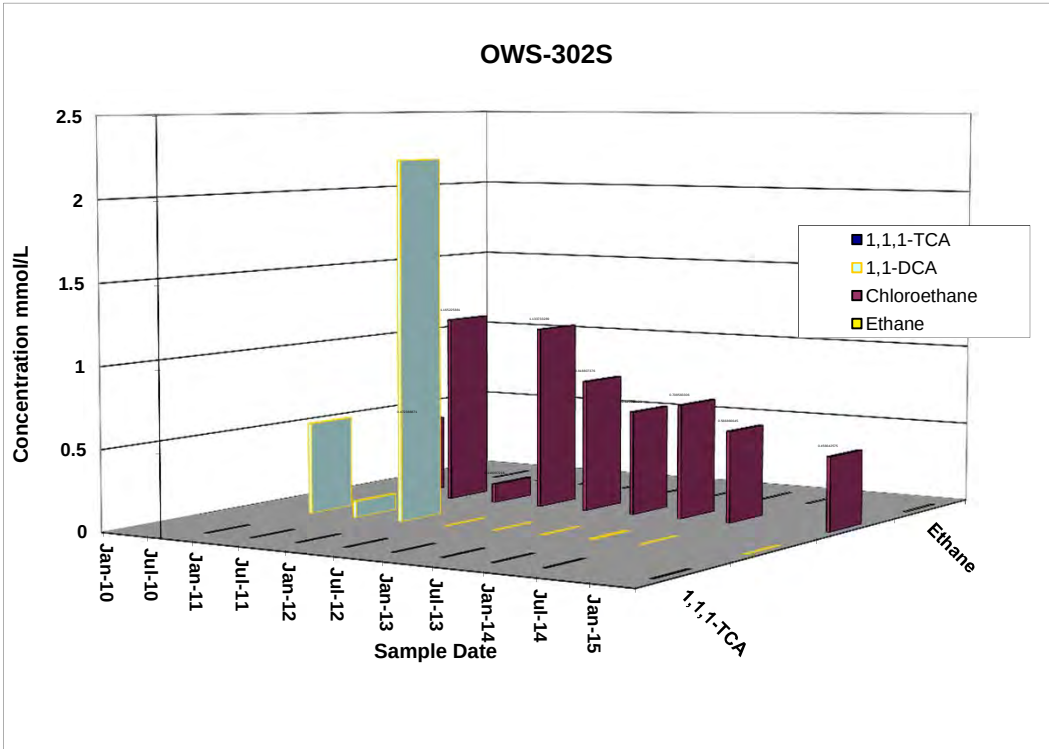


TABLE II  
COOPERVISION, INC.  
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES  
MID-GRADIENT WELLS

All values expressed in mg/l (ppm)

| Sample ID:<br>Well Screen Interval (ft): |           |            |           |            |           |            |           |           |          |            |          | MW-501<br>20.0 - 25.0 |            |           |            |           |            |           |           |           |            |           |  |
|------------------------------------------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|----------|------------|----------|-----------------------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|--|
| Date Sampled:                            | 4/21/2010 | 10/19/2010 | 4/12/2011 | 10/14/2011 | 4/13/2012 | 10/19/2012 | 4/11/2013 | 10/3/2013 | 4/1/2014 | 10/13/2014 | 4/1/2015 | 4/21/2010             | 10/18/2010 | 4/13/2011 | 10/14/2011 | 4/13/2012 | 10/19/2012 | 4/12/2013 | 10/3/2013 | 4/2/2014  | 10/13/2014 | 4/2/2015  |  |
| Compound:                                |           |            |           |            |           |            |           |           |          |            |          |                       |            |           |            |           |            |           |           |           |            |           |  |
| VOLATILE ORGANICS                        | 10x Dil.  | 10x Dil.   | 10x Dil.  | 10x Dil.   | 10x Dil.  | 10x Dil.   | 5x Dil.   | 10x Dil.  | 5x Dil.  | 5x Dil.    |          | 2.5x Dil.             | 2.5x Dil.  | 5x Dil.   | 5x Dil.    | 5x Dil.   | 5x Dil.    | 5x Dil.   | 10x Dil.  | 2x Dil.   | 10x Dil.   | 10x Dil.  |  |
| Acetone                                  | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND       | ND         | 0.0027J  | ND                    | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND         | ND        |  |
| 1,1-Dichloroethane                       | 0.1       | 0.16       | 0.098     | 0.052      | 0.096     | 0.067      | 0.077     | 0.093     | 0.074    | 0.062      | 0.025    | 0.088                 | 0.089      | 0.15      | 0.1        | 0.17      | 0.16       | 0.076     | 0.13      | 0.063     | 0.090      | 0.14      |  |
| 1,1-Dichloroethene                       | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND       | ND         | ND       | ND                    | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND         | ND        |  |
| cis-1,2-Dichloroethene                   | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND       | ND         | ND       | ND                    | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND         | ND        |  |
| 1,1,1-Trichloroethane                    | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND       | ND         | 0.019    | ND                    | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND         | ND        |  |
| Tetrachloroethene                        | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND       | ND         | ND       | ND                    | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND         | ND        |  |
| Trichloroethene                          | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND       | ND         | 0.00031J | ND                    | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND         | ND        |  |
| Chloroethane                             | 1.0       | 1.7        | 1.5       | 1.1        | 1.7       | 1.0        | 0.94      | 1.2       | 0.99     | 0.82       | 0.11     | 0.46                  | 0.49 D     | 1.2 D     | 0.9 D      | 0.98 D    | 1.4 D      | 0.59      | 1.4       | 0.34      | 1.0        | 1.2       |  |
| 1,2-Dichloroethane                       | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND       | ND         | ND       | ND                    | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND         | ND        |  |
| Methylene Chloride                       | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND       | ND         | ND       | ND                    | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND         | ND        |  |
| 2-Butanone (MEK)                         | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND       | ND         | ND       | ND                    | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND         | ND        |  |
| Vinyl Chloride                           | 0.25      | 0.38       | 0.32      | 0.19       | 0.29      | 0.14       | 0.15      | 0.14      | 0.083    | 0.050      | 0.004J   | 0.065                 | 0.095      | 0.1       | 0.084      | 0.079     | 0.09       | 0.094     | 0.093     | 0.055     | ND         | 0.088     |  |
| 1,4-Dioxane                              | NA        | NA         | NA        | NA         | NA        | NA         | NA        | NA        | NA       | NA         | NA       | NA                    | NA         | NA        | NA         | NA        | NA         | NA        | NA        | NA        | NA         | NA        |  |
| DISSOLVED GASES                          | 10x Dil.  | 10x Dil.   | 25x Dil.  | 25x Dil.   |           |            | 25x Dil.  | 25x Dil.  | 25x Dil. |            |          | 250x Dil.             | 125x Dil.  | 250x Dil. | 250x Dil.  | 250x Dil. | 250x Dil.  | 200x Dil. | 200x Dil. | 200x Dil. | 100x Dil.  | 250x Dil. |  |
| Methane                                  | 0.93      | 1.6 D      | 1.4       | 2.4        | 4.3       | 3.5        | 1.7       | 2.2       | 1.6      | 0.44       | 0.76     | 15                    | 9.7        | 19        | 13         | 17        | 12         | 12        | 12        | 10        | 2.4        | 16        |  |
| Ethane                                   | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND       | ND         | ND       | ND                    | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND         | ND        |  |
| Ethene                                   | 0.020     | 0.031      | 0.032     | 0.053      | 0.110     | 0.083      | 0.048     | 0.070     | 0.058    | 0.042      | 0.010    | ND                    | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND         | ND        |  |

Notes & Abbreviations:

ND: Not Detected  
NA: Not Analyzed  
DRY: Insufficient Recharge  
D: Diluted Result  
J: Estimated Result  
B: Blank Contamination

- The tables represent all data as reported from the lab in concentration format (mg/L).
- The time-trend graphs concentrations have been converted to mmol/L to provide better stoichiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale may vary between graphs in order to depict ranges of values for each well.

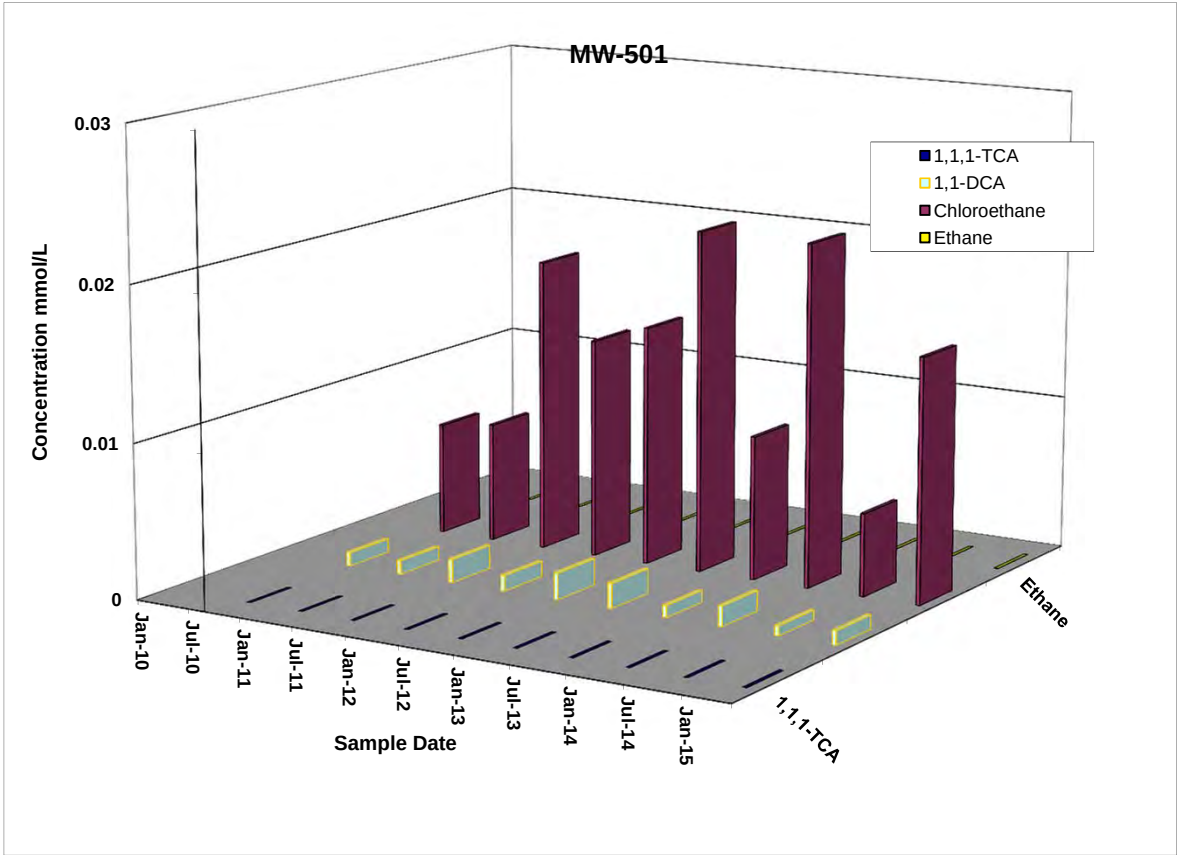
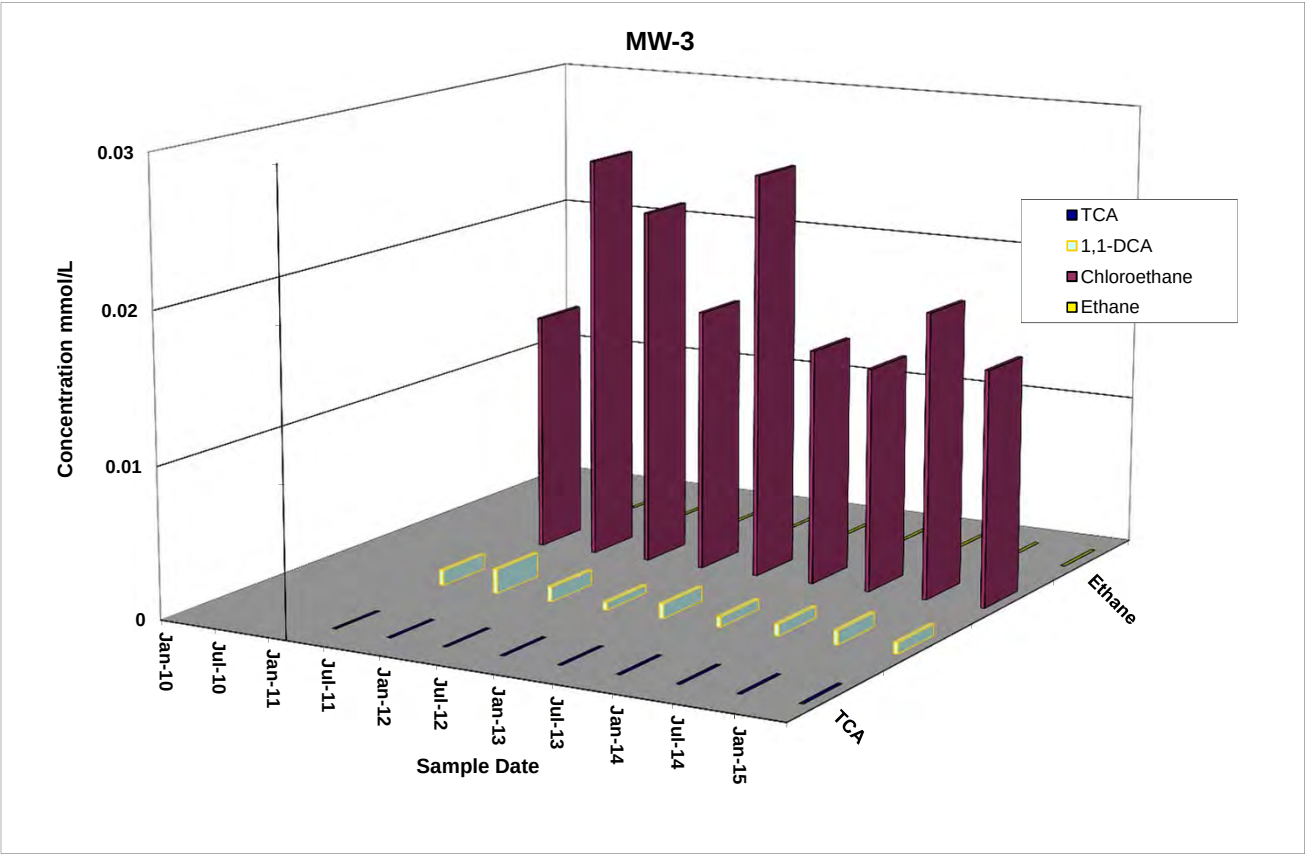


TABLE II  
COOPERVISION, INC.  
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES  
MID-GRADIENT WELLS

All values expressed in mg/l (ppm)

| Sample ID:<br>Well Screen Interval (ft): |           |            |           |            |           |            |           |           |           |           |          | MW-502<br>30.0 - 35.0 |            |          |          |            |           |      |  |  |  |  |  | BAP-01<br>10.0 - 20.0 |  |  | BAP-02<br>10.0 - 20.0 |  |  |
|------------------------------------------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|----------|-----------------------|------------|----------|----------|------------|-----------|------|--|--|--|--|--|-----------------------|--|--|-----------------------|--|--|
| Date Sampled:                            | 4/21/2010 | 10/18/2010 | 4/12/2011 | 10/14/2011 | 4/13/2012 | 10/19/2012 | 4/12/2013 | 10/3/2013 | 4/2/2014  | 10/9/2014 | 4/2/2015 | 4/2/2014              | 10/14/2014 | 4/2/2015 | 4/2/2014 | 10/13/2014 | 4/2/2015  |      |  |  |  |  |  |                       |  |  |                       |  |  |
| Compound:                                |           |            |           |            |           |            |           |           |           |           |          |                       |            |          |          |            |           |      |  |  |  |  |  |                       |  |  |                       |  |  |
| VOLATILE ORGANICS                        | 50x Dil.  | 100x Dil.  | 100x Dil. | 100x Dil.  | 100x Dil. | 100x Dil.  | 25x Dil.  | 50x Dil.  | 25x Dil.  | 25x Dil.  | 25x Dil. | 20x Dil.              | 20x Dil.   | 20x Dil. | 2x Dil.  | 2x Dil.    | 2x Dil.   |      |  |  |  |  |  |                       |  |  |                       |  |  |
| Acetone                                  | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND        | ND       | ND                    | ND         | ND       | ND       | ND         | ND        |      |  |  |  |  |  |                       |  |  |                       |  |  |
| 1,1-Dichloroethane                       | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND        | ND       | 0.089 J               | 1.3        | 1.6      | 1.8      | 0.25       | 0.35      | 0.21 |  |  |  |  |  |                       |  |  |                       |  |  |
| 1,1-Dichloroethene                       | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND        | ND       | 2.3                   | 2.7        | 1.8      | 0.18     | 0.27       | 0.057     |      |  |  |  |  |  |                       |  |  |                       |  |  |
| cis-1,2-Dichloroethene                   | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND        | ND       | ND                    | ND         | 0.0082 J | ND       | ND         | ND        |      |  |  |  |  |  |                       |  |  |                       |  |  |
| 1,1,1-Trichloroethane                    | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND        | ND       | ND                    | ND         | ND       | 0.019    | ND         | ND        |      |  |  |  |  |  |                       |  |  |                       |  |  |
| Tetrachloroethene                        | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND        | ND       | ND                    | ND         | 0.025 J  | ND       | ND         | ND        |      |  |  |  |  |  |                       |  |  |                       |  |  |
| Trichloroethene                          | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND        | ND       | ND                    | ND         | 0.25 J   | ND       | ND         | 0.00056 J |      |  |  |  |  |  |                       |  |  |                       |  |  |
| Chloroethane                             | 11 D      | 13         | 17        | 16         | 15        | 11         | 4.9       | 7.2       | 4.4       | 5.0       | 3.5      | 0.16                  | 0.28       | 0.24     | 0.012    | 0.019      | 0.0078 J  |      |  |  |  |  |  |                       |  |  |                       |  |  |
| 1,2-Dichloroethane                       | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND        | ND       | ND                    | ND         | 0.0086 J | ND       | ND         | ND        |      |  |  |  |  |  |                       |  |  |                       |  |  |
| Methylene Chloride                       | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND        | ND       | ND                    | ND         | ND       | ND       | ND         | ND        |      |  |  |  |  |  |                       |  |  |                       |  |  |
| 2-Butanone (MEK)                         | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND        | ND       | ND                    | ND         | ND       | ND       | ND         | ND        |      |  |  |  |  |  |                       |  |  |                       |  |  |
| Vinyl Chloride                           | ND        | ND         | ND        | ND         | 0.6       | ND         | 0.28      | 0.54      | 0.36      | 0.29      | 0.27     | 0.065                 | ND         | 0.094 J  | ND       | ND         | 0.0025 J  |      |  |  |  |  |  |                       |  |  |                       |  |  |
| 1,4-Dioxane                              | NA        | NA         | NA        | NA         | NA        | NA         | NA        | NA        | NA        | ND        | ND       | NA                    | NA         | ND       | NA       | ND         | ND        |      |  |  |  |  |  |                       |  |  |                       |  |  |
| DISSOLVED GASES                          | 200x Dil. | 200x Dil.  | 200x Dil. | 250x Dil.  | 250x Dil. | 250x Dil.  | 125x Dil. | 250x Dil. | 250x Dil. |           |          | 5x Dil.               |            |          |          | 10x Dil.   |           |      |  |  |  |  |  |                       |  |  |                       |  |  |
| Methane                                  | 15        | 11         | 18        | 17         | 20        | 21         | 8.8       | 22        | 16        | 14        | 15       | 0.33                  | 0.39       | 0.28     | 0.061    | 0.33       | 0.071     |      |  |  |  |  |  |                       |  |  |                       |  |  |
| Ethane                                   | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND        | ND       | 0.0011                | ND         | ND       | 0.0072   | 0.0023     | 0.004     |      |  |  |  |  |  |                       |  |  |                       |  |  |
| Ethene                                   | ND        | ND         | ND        | ND         | ND        | ND         | ND        | ND        | ND        | ND        | ND       | 0.0072                | 0.0088     | ND       | 0.002    | 0.0023     | ND        |      |  |  |  |  |  |                       |  |  |                       |  |  |

**Notes & Abbreviations:**  
ND: Not Detected  
NA: Not Analyzed  
DRY: Insufficient Recharge  
D: Diluted Result  
J: Estimated Result  
B: Blank Contamination

1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stoichiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale may vary between graphs in order to depict ranges of values for each well.

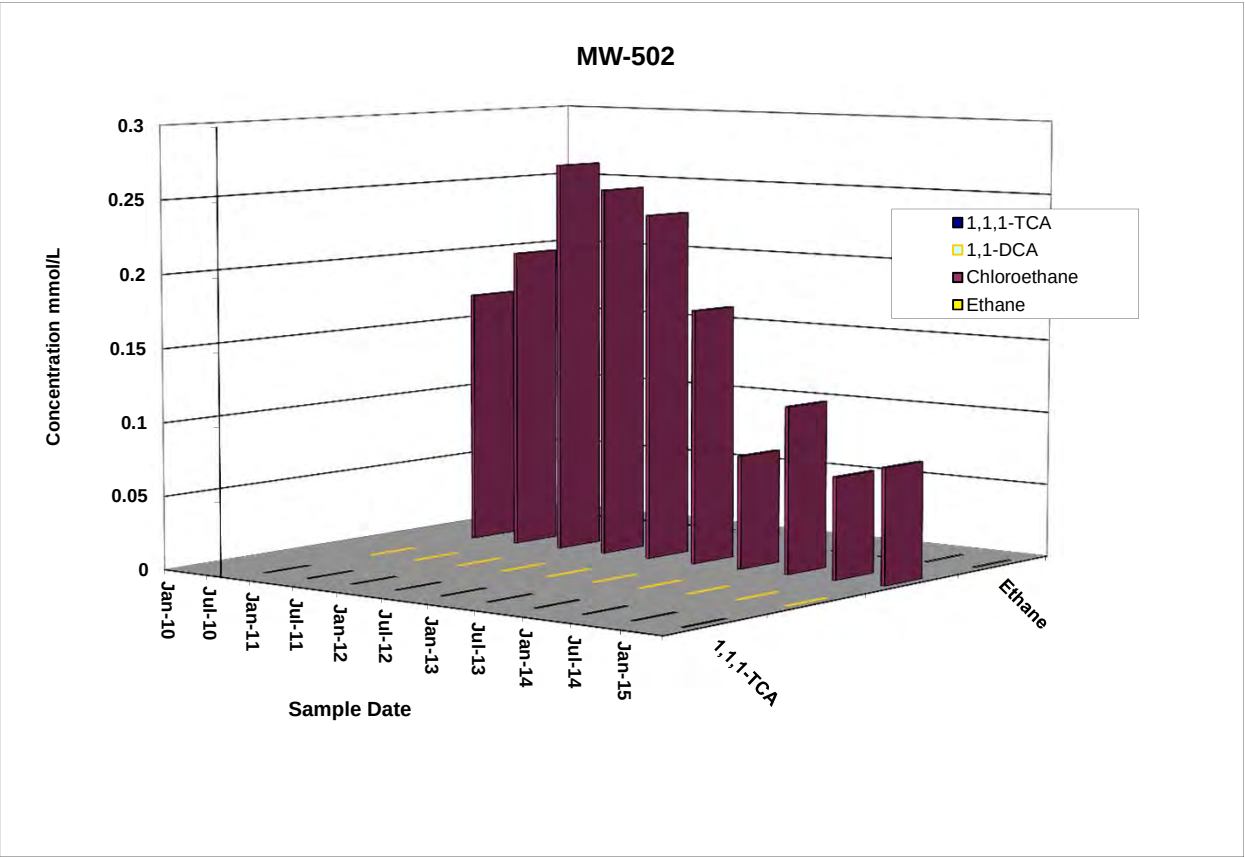


TABLE III  
COOPERVISION, INC.  
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES  
DOWN-GRADIENT WELLS

All values expressed in mg/l (ppm)

| Sample ID:<br>Well Screen Interval (ft): | MW-202<br>10.1 - 20.3 |          |         |          |         |          |         |         |        |         |           | MW-203<br>9.8 - 20.0 |          |         |          |         |          |         |         |        |         |        |
|------------------------------------------|-----------------------|----------|---------|----------|---------|----------|---------|---------|--------|---------|-----------|----------------------|----------|---------|----------|---------|----------|---------|---------|--------|---------|--------|
| Date Sampled:                            | 4/21/10               | 10/19/10 | 4/12/11 | 10/13/11 | 4/12/12 | 10/19/12 | 4/11/13 | 10/3/13 | 4/1/14 | 10/9/14 | 4/1/15    | 4/21/10              | 10/19/10 | 4/11/11 | 10/13/11 | 4/12/12 | 10/18/12 | 4/11/13 | 10/3/13 | 4/1/14 | 10/9/14 | 4/1/15 |
| Compound:                                |                       |          |         |          |         |          |         |         |        |         |           |                      |          |         |          |         |          |         |         |        |         |        |
| VOLATILE ORGANICS                        |                       |          |         |          |         |          |         |         |        |         |           |                      |          |         |          |         |          |         |         |        |         |        |
| Acetone                                  | ND                    | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND        | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND     |
| 1,1-Dichloroethane                       | 0.0130                | ND       | 0.0160  | 0.0300   | 0.0180  | 0.0510   | 0.0340  | 0.0300  | 0.0360 | 0.0360  | 0.064     | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND     |
| 1,1-Dichloroethene                       | 0.0083                | ND       | 0.0100  | 0.0200   | 0.0140  | 0.0400   | 0.0320  | 0.0260  | 0.0360 | 0.0350  | 0.050     | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND     |
| 1,1,1-Trichloroethane                    | ND                    | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | 0.00170 J | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND     |
| Tetrachloroethene                        | ND                    | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND        | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND     |
| Trichloroethene                          | ND                    | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | 0.00063 J | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND     |
| Chloroethane                             | ND                    | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | 0.0013 J  | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND     |
| 1,2-Dichloroethane                       | ND                    | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND        | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND     |
| Methylene Chloride                       | ND                    | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND        | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND     |
| 2-Butanone (MEK)                         | ND                    | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND        | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND     |
| Vinyl Chloride                           | ND                    | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND        | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND     |
| 1,4-Dioxane                              | NA                    | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA        | NA                   | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     |
| DISSOLVED GASES                          |                       |          |         |          |         |          |         |         |        |         |           |                      |          |         |          |         |          |         |         |        |         |        |
| Methane                                  | NA                    | NA       | NA      | NA       | NA      | NA       | NA      | NA      | ND     | 0.004   | ND        | NA                   | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     |
| Ethane                                   | NA                    | NA       | NA      | NA       | NA      | NA       | NA      | NA      | ND     | ND      | ND        | NA                   | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     |
| Ethene                                   | NA                    | NA       | NA      | NA       | NA      | NA       | NA      | NA      | ND     | ND      | ND        | NA                   | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     |

Notes & Abbreviations:

ND: Not Detected

NA: Not Analyzed

DRY: Insufficient Recharge

D: Diluted Result

J: Estimated Result

B: Blank Contamination

E: Estimated Result

1. The tables represent all data as reported from the lab in concentration format (mg/L).

TABLE III  
COOPERVISION, INC.  
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES  
DOWN-GRADIENT WELLS

All values expressed in mg/l (ppm)

| Sample ID:<br>Well Screen Interval (ft): | MW-204<br>9.8 - 20.0 |          |         |          |         |          |         |         |        |         |          | OW-306<br>4.0 - 14.0 |          |         |          |         |          |         |         |        |           |
|------------------------------------------|----------------------|----------|---------|----------|---------|----------|---------|---------|--------|---------|----------|----------------------|----------|---------|----------|---------|----------|---------|---------|--------|-----------|
| Date Sampled:                            | 4/21/10              | 10/19/10 | 4/12/11 | 10/14/11 | 4/12/12 | 10/19/12 | 4/11/13 | 10/3/13 | 4/2/14 | 10/9/14 | 4/1/15   | 4/21/10              | 10/19/10 | 4/11/11 | 10/13/11 | 4/12/12 | 10/18/12 | 4/11/13 | 10/2/13 | 4/1/14 | 10/9/14   |
| Compound:                                |                      |          |         |          |         |          |         |         |        |         |          |                      |          |         |          |         |          |         |         |        |           |
| VOLATILE ORGANICS                        |                      |          |         |          |         |          |         |         |        |         |          |                      |          |         |          |         |          |         |         |        |           |
| Acetone                                  | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND       | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND        |
| 1,1-Dichloroethane                       | 0.0055               | 0.0130   | 0.0059  | 0.0077   | 0.0082  | 0.0071   | 0.0074  | 0.0074  | 0.0074 | ND      | 0.0089   | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | 0.00021 J |
| 1,1-Dichloroethene                       | 0.0053               | 0.0130   | ND      | 0.0087   | 0.0084  | 0.0067   | 0.0092  | 0.0093  | 0.0094 | 0.0061  | 0.0088   | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND        |
| 1,1,1-Trichloroethane                    | ND                   | 0.0063   | ND      | ND       | 0.0051  | ND       | ND      | ND      | 0.005  | ND      | 0.0066   | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND        |
| Tetrachloroethene                        | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND       | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND        |
| Trichloroethene                          | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | 0.0021 J | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND        |
| Chloroethane                             | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND       | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND        |
| 1,2-Dichloroethane                       | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND       | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND        |
| Methylene Chloride                       | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND       | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND        |
| 2-Butanone (MEK)                         | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND       | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND        |
| Vinyl Chloride                           | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND      | ND       | ND                   | ND       | ND      | ND       | ND      | ND       | ND      | ND      | ND     | ND        |
| 1,4-Dioxane                              | NA                   | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | ND       | NA                   | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | ND        |
| DISSOLVED GASES                          |                      |          |         |          |         |          |         |         |        |         |          |                      |          |         |          |         |          |         |         |        |           |
| Methane                                  | NA                   | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA       | NA                   | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA        |
| Ethane                                   | NA                   | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA       | NA                   | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA        |
| Ethene                                   | NA                   | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA       | NA                   | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA        |

Notes & Abbreviations:  
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1. The tables represent all data as reported from the lab in concentration format (mg/L).



TABLE IV  
COOPERVISION INCORPORATED  
ADDITIONAL ANALYTICAL  
PARAMETER SUMMARY

| Sample ID                | MW-205   |          |         |          |         |          |         |         |        |          |        | MW-3    |          |         |          |         |          |         |         |        |          |        |
|--------------------------|----------|----------|---------|----------|---------|----------|---------|---------|--------|----------|--------|---------|----------|---------|----------|---------|----------|---------|---------|--------|----------|--------|
| Analyte                  | 4/24/10  | 10/18/10 | 4/13/11 | 10/14/11 | 4/13/12 | 10/19/12 | 4/26/13 | 10/3/13 | 4/2/14 | 10/13/14 | 4/2/15 | 4/21/10 | 10/19/10 | 4/12/11 | 10/14/11 | 4/13/12 | 10/19/12 | 4/11/13 | 10/3/13 | 4/1/14 | 10/14/14 | 4/1/15 |
| INORGANICS (mg/L)        |          |          |         |          |         |          |         |         |        |          |        |         |          |         |          |         |          |         |         |        |          |        |
| Nitrite Nitrogen         | 2        | <0.05    | <20     | 0.058    | <20     | <10      | <20     | <20     | <20    | <20      | 0.056  | <0.50   | <0.010   | <0.010  | <0.010   | <0.1    | <0.1     | <10     | <10     | <10    | <1       | 0.142  |
| Nitrate/Nitrite Nitrogen | NA       | NA       | NA      | <0.05    | <0.01   | <1.0     | NA      | NA      | NA     | NA       | NA     | NA      | NA       | NA      | <0.05    | <0.010  | <0.1     | NA      | NA      | NA     | NA       | NA     |
| Chloride                 | 659      | 762      | 830     | 821      | 720     | 748      | 837     | 736     | 760    | 831      | 731    | 257     | 290      | 331     | 407      | 516     | 656      | 633     | 561     | 458    | 406      | 530    |
| Dissolved Organic Carbon | NA       | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     |
| Total Organic Carbon     | -        | -        | -       | -        | -       | -        | -       | -       | NA     | NA       | NA     | -       | -        | -       | -        | -       | -        | -       | -       | NA     | NA       | NA     |
| Nitrate Nitrogen         | <0.05    | <4.0     | <5.0    | NA       | NA      | NA       | <1      | <1      | <4     | <1       | <1     | <0.50   | <1.0     | <1.0    | NA       | NA      | NA       | <1      | <1      | 1 R    | <1       | <1     |
| Total Alkalinity         | 2610     | 2750     | <2.0    | 2900     | 2900    | 2980     | 2900    | 2900    | 3150   | 3300     | 3400   | 205     | 212      | 188     | 184      | 183     | 185      | 192     | 210     | 230    | NA       | NA     |
| Sulfate                  | 8.8      | 10.9     | 10.5    | 10       | 10.4    | 14.9     | 9.7     | 10.9    | 9.3    | 11.3     | 8.9    | 2.6     | 3.2      | 3.4     | 2.7      | 2.9     | 3.3      | 6.9     | 7.7     | 15     | 12.2     | 20.9   |
| Total Sulfide            | 1.6      | <1.0     | <1.0    | 2.6      | 1.2     | 1.2      | <1      | <1      | <1     | 1.6      | <1     | 1.5     | <1.0     | <1.0    | <1.0     | <1.0    | 1.1      | 1.1     | <1      | <1     | <1       | <1.0   |
| Total Iron               | 117      | 10.5     | 103     | 106      | NA      | NA       | NA      | 99.1    | NA     | NA       | NA     | 21.8    | 6.7      | 7.79    | 18.2     | NA      | NA       | NA      | 15.2    | NA     | NA       | NA     |
| Total Manganese          | NA       | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     |
| HRC COMPONENTS (mg/L)    | 20x Dil. |          | 20x Dil | 25x Dil  |         |          |         |         |        |          |        |         |          |         |          |         |          |         |         |        |          |        |
| Lactic Acid (C3)         | <20      | <1.0     | <20     | <25      | <25     | <20      | <25     | <25     | <100   | <20      | <25    | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     |
| Acetic Acid (C2)         | 310      | 430 D    | 400     | 500      | 480     | 550      | 630     | 720     | 850    | 860      | 940    | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     |
| Propionic Acid (C3)      | 820      | 850 D    | 700     | 730      | 790     | 860      | 810     | 890     | 1000   | 790      | 770    | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     |
| Pyruvic Acid (C3)        | <10      | <0.5     | <10     | <13      | <13     | <10      | <13     | <13     | <50    | <10      | <13    | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     |
| Butyric Acid (C4)        | 1800     | 2600 D   | 2400    | 3000     | 2400    | 2500     | 3100    | 2900    | 2100   | 3000     | 3100   | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     |
| FIELD PARAMETERS         |          |          |         |          |         |          |         |         |        |          |        |         |          |         |          |         |          |         |         |        |          |        |
| Dissolved Oxygen (mg/L)  | 1        | 2.04     | 3.51    | 1.6      | 0.33    | 0.62     | 1.32    | 0.12    | 5.73   | 0.14     | 0.54   | NA      | NA       | NA      | NA       | NA      | NA       | 12.61   | 2.18    | 1.90   | 6.57     | 9.92   |
| Redox (mV)               | -113     | -105     | -82     | -48      | -105    | -22      | -40.7   | -80.7   | 40.8   | -139.2   | -17.6  | NA      | NA       | NA      | NA       | NA      | NA       | 295.2   | -94.4   | 73.6   | 81       | 108.8  |
| Conductivity (mS)        | 12.9     | 6.75     | 6.98    | 0.81     | 10.52   | 7.19     | 7.28    | 6.86    | 0.387  | 7.67     | 7.53   | NA      | NA       | NA      | NA       | NA      | NA       | 2.13    | 1.93    | 1.94   | 1.78     | 1.7    |
| Iron, dissolved (mg/L)   | 2.5      | 4.5      | 6       | 6        | 3       | NA       | 5.5     | 6.5     | 4.5    | 5        | 1.25   | 0       | 0.3      | NA      | NA       | NA      | NA       | 0.5     | 0.0     | 0.5    | 0        | 0      |
| Alkalinity (mg/L)        | 1460     | 1600     | 1840    | 2200     | 195     | NA       | NA      | NA      | NA     | NA       | NA     | 300     | 240      | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     |
| Carbon Dioxide (mg/L)    | NA       | NA       | 470     | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     | 136     | 80       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     |

TABLE IV  
COOPERVISION INCORPORATED  
ADDITIONAL ANALYTICAL  
PARAMETER SUMMARY

| Sample ID                | MW-501  |          |         |          |         |          |         |         |        |          |        | MW-502  |          |         |          |         |          |         |         |        |         |        |
|--------------------------|---------|----------|---------|----------|---------|----------|---------|---------|--------|----------|--------|---------|----------|---------|----------|---------|----------|---------|---------|--------|---------|--------|
| Analyte                  | 7/19/01 | 10/18/10 | 4/13/11 | 10/14/11 | 4/13/12 | 10/19/12 | 4/12/13 | 10/3/13 | 4/2/14 | 10/13/14 | 4/2/15 | 4/21/10 | 10/18/10 | 4/12/11 | 10/14/11 | 4/12/12 | 10/19/12 | 4/12/13 | 10/3/13 | 4/2/14 | 10/9/14 | 4/2/15 |
| INORGANICS (mg/L)        |         |          |         |          |         |          |         |         |        |          |        |         |          |         |          |         |          |         |         |        |         |        |
| Nitrite Nitrogen         | ND      | <0.010   | <0.100  | <0.010   | <60     | <2.0     | <100    | <40     | <200   | <40      | 0.011  | <0.50   | <1.0     | <1.0    | <0.010   | <20     | <1.0     | <20     | <20     | <20    | <20     | <0.010 |
| Nitrate/Nitrite Nitrogen | 0.063   | NA       | NA      | <0.05    | <1      | <1.0     | NA      | NA      | NA     | NA       | <1     | NA      | NA       | NA      | <0.050   | <1      | <1.0     | NA      | NA      | NA     | NA      | NA     |
| Chloride                 | 355     | 1460     | 7500    | 1940     | 2820    | 1940     | 4260    | 1860    | 7090   | 2310     | 5590   | 562     | 606      | 693     | 676      | 744     | 884      | 862     | 1030    | 1030   | 935     | 780    |
| Dissolved Organic Carbon | 3.38    | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     |
| Total Organic Carbon     | -       | -        | -       | -        | -       | -        | -       | -       | NA     | NA       | NA     | -       | -        | -       | -        | -       | -        | -       | -       | NA     | NA      | NA     |
| Nitrate Nitrogen         | 0.063   | <1.0     | <1.0    | NA       | NA      | NA       | <1      | <1      | 4 R    | <1       | <1     | <0.50   | <0.010   | <0.010  | NA       | NA      | NA       | <1      | <1      | 1 R    | <1      | <1     |
| Total Alkalinity         | 201     | 381      | 262     | 424      | 309     | 365      | 217     | 410     | 211    | 413      | 293    | 800     | 751      | 670     | 730      | 656     | 722      | 510     | 489     | 460    | 468     | 445    |
| Sulfate                  | 40.2    | 7.3      | 64.1    | 4.3      | 31.1    | 8.1      | 62.4    | 36.3    | 123    | 53.6     | 92     | <2.0    | <2.0     | <2.0    | <2.0     | <2.0    | <2.0     | <2      | <2      | <2     | <2      | 2.7    |
| Total Sulfide            | <1.00   | 1.4      | <1.0    | 2.2      | 6.2     | <1.0     | 1.8     | 1       | <1     | 1.3      | 1.1    | 5.8     | 1.8      | <1.0    | <1.0     | 1.3     | <1.0     | 1.4     | <1      | <1     | <1      | 1.3    |
| Total Iron               | 462     | 6.37     | 11.8    | 4.6      | NA      | NA       | NA      | 21      | NA     | NA       | NA     | 186     | 26       | 571     | 637      | NA      | NA       | NA      | 11.5    | NA     | NA      | 88.4   |
| Total Manganese          | 11.8    | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     |
| HRC COMPONENTS (mg/L)    |         |          |         |          |         |          |         |         |        |          |        |         |          |         |          |         |          |         |         |        |         |        |
| Lactic Acid (C3)         | <1.0    | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     |
| Acetic Acid (C2)         | <1.0    | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     |
| Propionic Acid (C3)      | <1.0    | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     |
| Pyruvic Acid (C3)        | <0.1    | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     |
| Butyric Acid (C4)        | <1.0    | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA       | NA     | NA      | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     |
| FIELD PARAMETERS         |         |          |         |          |         |          |         |         |        |          |        |         |          |         |          |         |          |         |         |        |         |        |
| Dissolved Oxygen (mg/L)  | 0.3     | 0.02     | 0       | 0.4      | 2.11    | 0.32     | 6.25    | 2.00    | 0.79   | 5.5      | 0.52   | 0       | 0.17     | 0       | 0.3      | 0.2     | 0.11     | 0.24    | 0.07    | 0.0    | 0.09    | 0.85   |
| Redox (mV)               | -280    | -339     | -122    | -194     | -82     | -149     | -34.9   | -134.1  | -48.2  | -31      | -13.4  | -184    | -131     | -148    | -157     | -93     | -102.5   | -10.1   | -143.6  | -42.7  | -100.7  | -53.0  |
| Conductivity (mS)        | 1.61    | 5.37     | 23.2    | 0.76     | 9.31    | 6.69     | 12.18   | 6.28    | 19.92  | 7.93     | 20.38  | 9.64    | 3.13     | 2.04    | 0.36     | 3.17    | 3.34     | 3.36    | 3.67    | 3.87   | 3.54    | 3.17   |
| Iron, dissolved (mg/L)   | ND      | 1.6      | 4.6     | 1        | NA      | NA       | 4.25    | 6.0     | 3.5    | 1.5      | 0.5    | 0       | 1        | 4.2     | NA       | 1       | NA       | 1.5     | 6.0     | NA     | NA      | 0      |
| Alkalinity (mg/L)        | 920     | 400      | 270     | 500      | 60      | NA       | NA      | NA      | NA     | NA       | NA     | 2400    | 740      | 650     | 110      | 1820    | NA       | NA      | NA      | NA     | NA      | NA     |
| Carbon Dioxide (mg/L)    | 34      | 225      | 194     | 37.9     | 217.5   | NA       | NA      | NA      | NA     | NA       | NA     | 624     | NA       | 3838    | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     |



TABLE IV  
COOPERVISION INCORPORATED  
ADDITIONAL ANALYTICAL  
PARAMETER SUMMARY

| Sample ID                | OWS-302-S |          |         |          |         |          |         |         |        |         | MW-202 |         |        | BAP-01 |          |        | BAP-02 |          |        |
|--------------------------|-----------|----------|---------|----------|---------|----------|---------|---------|--------|---------|--------|---------|--------|--------|----------|--------|--------|----------|--------|
| Analyte                  | 4/21/10   | 10/18/10 | 4/13/11 | 10/14/11 | 4/13/12 | 10/19/12 | 4/12/13 | 10/3/13 | 4/2/14 | 4/20/15 | 4/1/14 | 10/9/14 | 4/1/15 | 4/2/14 | 10/13/14 | 4/2/15 | 4/2/14 | 10/13/14 | 4/2/15 |
| INORGANICS (mg/L)        |           |          |         |          |         |          |         |         |        |         |        |         |        |        |          |        |        |          |        |
| Nitrite Nitrogen         | <0.50     | <1.0     | <100    | 0.031    | <1.0    | <0.020   | <50     | <100    | <100   | <100    | <100   | <30     | 0.011  | <10    | <1       | 0.021  | <10    | <1       | 0.055  |
| Nitrate/Nitrite Nitrogen | NA        | NA       | NA      | <0.050   | <0.060  | <0.010   | NA      | NA      | NA     | NA      | NA     | <1      | NA     | NA     | NA       | NA     | NA     | NA       | NA     |
| Chloride                 | 3070      | 2880     | 3670    | 3200     | 3300    | 3090     | 2630    | 2720    | 2790   | 2850    | 3560   | 1680    | 3800   | 406    | 466      | 6.5    | 434    | 574      | 580    |
| Dissolved Organic Carbon | NA        | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     | NA      | NA     | NA     | NA       | NA     | NA     | NA       | NA     |
| Total Organic Carbon     | -         | -        | -       | -        | -       | -        | -       | -       | NA     | NA      | <1     | NA      | <1     | 6      | NA       | 6.5    | 14.5   | NA       | 6.6    |
| Nitrate Nitrogen         | <5.0      | <0.020   | <2.0    | <0.050   | NA      | NA       | <1      | <1      | <1     | <1      | 1.7    | <1      | 2.6    | <1     | <1       | <1     | <1     | <1       | <1     |
| Total Alkalinity         | 1210      | 1150     | 622     | 958      | 772     | 608      | 676     | 669     | 749    | 762     | 150    | 125     | 160    | 230    | 219      | 261    | 260    | 275      | 258    |
| Sulfate                  | 44.9      | 2.2      | 8.7     | <2.0     | <2.0    | <2.0     | <2      | <2      | 2.4    | 2.5     | 424    | 490     | 404    | 328    | 223      | 189    | 64.9   | 95.4     | 178    |
| Total Sulfide            | 1.2       | <1.0     | 4.2     | <1.0     | <1.0    | <1.0     | 1.4     | <1      | <1     | <1      | <1     | <1      | <1     | 1.5    | <1       | 3.3    | 1.4    | <1       | 2.4    |
| Total Iron               | 18.1      | 79.6     | 52.5    | 50.6     | NA      | NA       | NA      | 18.7    | NA     | NA      | NA     | NA      | 0.92   | NA     | NA       | NA     | NA     | NA       | NA     |
| Total Manganese          | NA        | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | NA     | NA      | NA     | NA     | NA       | NA     | NA     | NA       | NA     |
| HRC COMPONENTS (mg/L)    |           |          |         |          |         |          |         |         |        |         |        |         |        |        |          |        |        |          |        |
| Lactic Acid (C3)         | NA        | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | <1     | <1      | <1     | <1     | <1       | <1     | <1     | <1       | <1     |
| Acetic Acid (C2)         | NA        | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | <1     | <1      | <1     | 7.3    | 1        | 5.5    | 9.7    | 8.1      | <1     |
| Propionic Acid (C3)      | NA        | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | <1     | <1      | <1     | 6.5    | <1       | <1     | 1.6    | 1.1      | <1     |
| Pyruvic Acid (C3)        | NA        | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | <0.5   | <0.5    | <0.5   | <0.5   | <0.5     | <0.50  | <0.5   | <0.5     | <0.5   |
| Butyric Acid (C4)        | NA        | NA       | NA      | NA       | NA      | NA       | NA      | NA      | NA     | NA      | <2     | <2      | <2     | <2     | <2.0     | <2     | <2     | <2       | <2     |
| FIELD PARAMETERS         |           |          |         |          |         |          |         |         |        |         |        |         |        |        |          |        |        |          |        |
| Dissolved Oxygen (mg/L)  | 0.86      | 3.08     | 4.66    | 0.7      | 4.71    | 0.48     | 0.64    | 0.08    | 0      | 2.03    | 1.26   | 0.84    | 2.03   | 0.67   | 0.15     | 2.45   | 0.04   | 0.14     | 6.99   |
| Redox (mV)               | -63       | -100     | -156    | -128     | -17     | -71.8    | -68.1   | -136.3  | -27    | -37.6   | 157.2  | 90.3    | 215.8  | -186.2 | -107.1   | -65.1  | -210.5 | -192.7   | -87.8  |
| Conductivity (mS)        | 9         | 12.8     | 17.6    | 1.2      | 7.12    | 9.84     | 3.52    | 8.50    | 9.27   | 9.39    | 12.02  | 6.3     | 10.97  | 2.22   | 2.21     | 2.28   | 2.08   | 2.38     | 2.56   |
| Iron, dissolved (mg/L)   | 1.1       | 5.8      | 1.6     | 2.6      | 5       | NA       | 4.25    | 7.0     | 3.5    | 2       | 0.0    | 0.0     | 0.0    | 0.0    | 1.5      | NA     | NA     | NA       | NA     |
| Alkalinity (mg/L)        | 920       | 1000     | 900     | 1000     | 315     | NA       | NA      | NA      | NA     | NA      | NA     | NA      | NA     | NA     | NA       | NA     | NA     | NA       | NA     |
| Carbon Dioxide (mg/L)    | 526       | 589      | 1050    | 150      | NA      | NA       | NA      | NA      | NA     | NA      | NA     | NA      | NA     | NA     | NA       | NA     | NA     | NA       | NA     |

Notes & Abbreviations

NS - Not Sampled

NA - Not analyzed or results not determined due to field conditions (e.g. - water too turbid to obtain field parameters).

ND - Not detected in field tests

TOC - Total Organic Carbon

D - Diluted

R - Result rejected. See Data Usability Summary Report.

\* - The dissolved oxygen values detected may be a result of malfunctioning field equipment and may not be indicative of actual aquifer conditions.

1. Due to the conditions at wells MW-3, OWD-302-D, OWS-302-S, and MW-501 (poor well recharge during purging), dissolved oxygen and redox values will appear variable and may not be indicative of actual aquifer conditions.

## **APPENDIX M**

### **Mann-Kendall Analytical Data**

Mann-Kendall Analysis: Results  
 CooperVision, Inc.  
 Scottsville, New York  
 VCA V00157-8

|                    | 2004-2013  |            | 2005-2014  |            | 2006-2015  |            | 2007-2016  |            | 2008-2017  |            |
|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                    | Spring     | Fall       | Spring     | Fall       | Spring     | Fall       | Spring     | Fall       | Spring     | Fall       |
| Source Area        |            |            |            |            |            |            |            |            |            |            |
| MW-205             |            |            |            |            |            |            |            |            |            |            |
| 1,1,1-TCA          | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   |
| 1,1-DCA            | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   |
| 1,1-DCE            | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        |
| Mid-Gradient Area  |            |            |            |            |            |            |            |            |            |            |
| MW-3               |            |            |            |            |            |            |            |            |            |            |
| 1,1,1-TCA          | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing |
| 1,1-DCA            | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | No Trend   |
| 1,1-DCE            | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing |
| MW-501             |            |            |            |            |            |            |            |            |            |            |
| 1,1,1-TCA          | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   |
| 1,1-DCA            | No Trend   | Decreasing | Decreasing | No Trend   | Decreasing | No Trend   | Decreasing | No Trend   | No Trend   | No Trend   |
| 1,1-DCE            | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   |
| MW-502             |            |            |            |            |            |            |            |            |            |            |
| 1,1,1-TCA          | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | Decreasing | Decreasing |
| 1,1-DCA            | No Trend   | No Trend   | No Trend   | No Trend   | Increasing | No Trend   | No Trend   | No Trend   | Decreasing | No Trend   |
| 1,1-DCE            | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | Decreasing | Decreasing |
| Down-Gradient Area |            |            |            |            |            |            |            |            |            |            |
| MW-202             |            |            |            |            |            |            |            |            |            |            |
| 1,1,1-TCA          | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   |
| 1,1-DCA            | Increasing | Increasing | Increasing | Increasing | Increasing | Increasing | Increasing | Increasing | Increasing | Increasing |
| 1,1-DCE            | Increasing | Increasing | Increasing | Increasing | Increasing | Increasing | Increasing | Increasing | Increasing | Increasing |
| MW-204             |            |            |            |            |            |            |            |            |            |            |
| 1,1,1-TCA          | No Trend   | No Trend   | No Trend   | No Trend   | Increasing | Decreasing | No Trend   | No Trend   | No Trend   | No Trend   |
| 1,1-DCA            | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   | Decreasing | No Trend   | No Trend   | No Trend   | No Trend   |
| 1,1-DCE            | No Trend   | No Trend   | Increasing | No Trend   | Increasing | No Trend   | No Trend   | No Trend   | No Trend   | No Trend   |

**Notes:**

1. This analysis uses the Mann-Kendall test for trend. The test indicates whether or not a set of data is increasing or decreasing at a 95% degree of confidence.
2. A result of "No Trend" is an indication that the data set is not increasing or decreasing significantly at the degree of confidence evaluated, or that the data does not fit the statistical model. It may indicate a stable trend, or it may indicate that the data is not sufficient to establish a trend.

**References:**

1. EPA Practical Methods for Data Analysis, EPA QA/G-9 QA00 UPDATE, July 2000.

Mann-Kendall Analysis: 1,1,1-TCA  
CooperVision, Inc.  
Scottsville, New York  
VCA V00157-8

Degree of Confidence (Alpha):

0.05

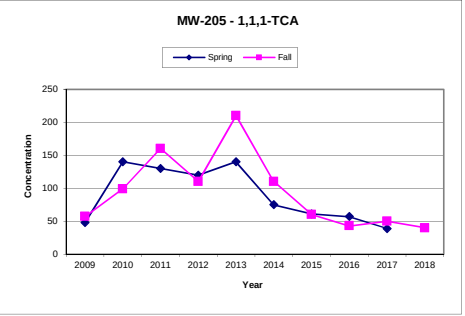
MW-205

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 26         | 9        |
| S Value    | -17      |
| n          | 10       |
| P Value    | 0.078    |
| Evaluation | No Trend |

| Mann-Kendall Trend: Spring |      |      |      |      |      |      |      |      |      |      |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| Year                       | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Data                       | 48   | 140  | 130  | 120  | 140  | 75   | 61   | 57   | 39   | 44   |
| 48                         |      | 0    | 92   | 82   | 72   | 92   | 27   | 13   | 9    | -9   |
| 140                        |      |      | 0    | -10  | -20  | 0    | -65  | -79  | -83  | -101 |
| 130                        |      |      |      | 0    | -10  | 10   | -55  | -69  | -73  | -91  |
| 120                        |      |      |      |      | 0    | 20   | -45  | -59  | -63  | -81  |
| 140                        |      |      |      |      |      | 0    | -65  | -79  | -83  | -101 |
| 75                         |      |      |      |      |      |      | 0    | -14  | -18  | -36  |
| 61                         |      |      |      |      |      |      |      | 0    | -4   | -22  |
| 57                         |      |      |      |      |      |      |      |      | 0    | -18  |
| 39                         |      |      |      |      |      |      |      |      |      | 0    |
| 44                         |      |      |      |      |      |      |      |      |      |      |

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 31         | 13       |
| S Value    | -18      |
| n          | 10       |
| P Value    | 0.054    |
| Evaluation | No Trend |

| Mann-Kendall Trend: Fall |      |      |      |      |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|------|------|------|------|
| Year                     | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Data                     | 57   | 99   | 160  | 110  | 210  | 110  | 60   | 43   | 50   | 40   |
| 57                       |      | 42   | 103  | 53   | 153  | 53   | 3    | -14  | -7   | -17  |
| 99                       |      |      | 61   | 11   | 111  | 11   | -39  | -56  | -49  | -59  |
| 160                      |      |      |      | -50  | 50   | -50  | -100 | -117 | -110 | -120 |
| 110                      |      |      |      |      | 100  | 0    | -50  | -67  | -60  | -70  |
| 210                      |      |      |      |      |      | -100 | -150 | -167 | -160 | -170 |
| 110                      |      |      |      |      |      |      | -50  | -67  | -60  | -70  |
| 60                       |      |      |      |      |      |      |      | -17  | -10  | -20  |
| 43                       |      |      |      |      |      |      |      |      | 7    | -3   |
| 50                       |      |      |      |      |      |      |      |      |      | -10  |
| 40                       |      |      |      |      |      |      |      |      |      |      |



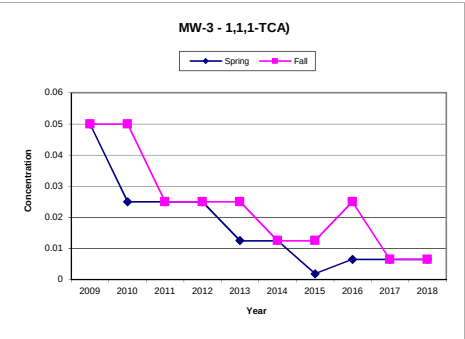
MW-3

| S Value    |            |
|------------|------------|
| Neg        | Pos        |
| 35         | 3          |
| S Value    | -32        |
| n          | 10         |
| P Value    | 0.0011     |
| Evaluation | Decreasing |

| Mann-Kendall Trend: Spring |      |        |        |        |         |         |         |         |         |         |
|----------------------------|------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| Year                       | 2009 | 2010   | 2011   | 2012   | 2013    | 2014    | 2015    | 2016    | 2017    | 2018    |
| Data                       | 0.05 | 0.025  | 0.025  | 0.025  | 0.0125  | 0.0125  | 0.0019  | 0.0065  | 0.0065  | 0.0065  |
| 0.05                       |      | -0.025 | -0.025 | -0.025 | -0.0375 | -0.0375 | -0.0481 | -0.0435 | -0.0435 | -0.0435 |
| 0.025                      |      |        | 0      | 0      | -0.0125 | -0.0125 | -0.0231 | -0.0185 | -0.0185 | -0.0185 |
| 0.025                      |      |        |        | 0      | -0.0125 | -0.0125 | -0.0231 | -0.0185 | -0.0185 | -0.0185 |
| 0.025                      |      |        |        |        | -0.0125 | -0.0125 | -0.0231 | -0.0185 | -0.0185 | -0.0185 |
| 0.0125                     |      |        |        |        |         | 0       | -0.0106 | -0.006  | -0.006  | -0.006  |
| 0.0125                     |      |        |        |        |         |         | -0.0106 | -0.006  | -0.006  | -0.006  |
| 0.0019                     |      |        |        |        |         |         |         | 0.0046  | 0.0046  | 0.0046  |
| 0.0065                     |      |        |        |        |         |         |         |         | 0       | 0       |
| 0.0065                     |      |        |        |        |         |         |         |         |         | 0       |
| 0.0065                     |      |        |        |        |         |         |         |         |         |         |

| S Value    |            |
|------------|------------|
| Neg        | Pos        |
| 34         | 2          |
| S Value    | -32        |
| n          | 10         |
| P Value    | 0.0011     |
| Evaluation | Decreasing |

| Mann-Kendall Trend: Fall |      |      |        |        |        |         |         |        |         |         |
|--------------------------|------|------|--------|--------|--------|---------|---------|--------|---------|---------|
| Year                     | 2008 | 2009 | 2010   | 2011   | 2012   | 2013    | 2014    | 2015   | 2016    | 2017    |
| Data                     | 0.05 | 0.05 | 0.025  | 0.025  | 0.025  | 0.0125  | 0.0125  | 0.03   | 0.0065  | 0.0065  |
| 0.05                     |      | 0    | -0.025 | -0.025 | -0.025 | -0.0375 | -0.0375 | -0.025 | -0.0435 | -0.0435 |
| 0.05                     |      |      | -0.025 | -0.025 | -0.025 | -0.0375 | -0.0375 | -0.025 | -0.0435 | -0.0435 |
| 0.025                    |      |      |        | 0      | 0      | -0.0125 | -0.0125 | 0      | -0.0185 | -0.0185 |
| 0.025                    |      |      |        |        | 0      | -0.0125 | -0.0125 | 0      | -0.0185 | -0.0185 |
| 0.025                    |      |      |        |        |        | -0.0125 | -0.0125 | 0      | -0.0185 | -0.0185 |
| 0.0125                   |      |      |        |        |        |         | 0       | 0.0125 | -0.006  | -0.006  |
| 0.0125                   |      |      |        |        |        |         |         | 0.0125 | -0.006  | -0.006  |
| 0.03                     |      |      |        |        |        |         |         |        | -0.0185 | -0.0185 |
| 0.0065                   |      |      |        |        |        |         |         |        |         | 0       |
| 0.0065                   |      |      |        |        |        |         |         |        |         |         |



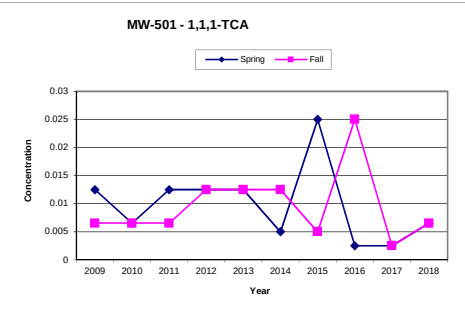
MW-501

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 25         | 12       |
| S Value    | -13      |
| n          | 10       |
| P Value    | 0.146    |
| Evaluation | No Trend |

| Mann-Kendall Trend: Spring |        |        |        |        |        |         |        |         |         |         |
|----------------------------|--------|--------|--------|--------|--------|---------|--------|---------|---------|---------|
| Year                       | 2009   | 2010   | 2011   | 2012   | 2013   | 2014    | 2015   | 2016    | 2017    | 2018    |
| Data                       | 0.0125 | 0.0065 | 0.0125 | 0.0125 | 0.0125 | 0.005   | 0.025  | 0.0025  | 0.0025  | 0.0065  |
| 0.0125                     |        | -0.006 | 0      | 0      | 0      | -0.0075 | 0.0125 | -0.01   | -0.01   | -0.006  |
| 0.0065                     |        |        | 0.006  | 0.006  | 0.006  | -0.0015 | 0.0185 | -0.004  | -0.004  | 0       |
| 0.0125                     |        |        |        | 0      | 0      | -0.0075 | 0.0125 | -0.01   | -0.01   | -0.006  |
| 0.0125                     |        |        |        |        | 0      | -0.0075 | 0.0125 | -0.01   | -0.01   | -0.006  |
| 0.0125                     |        |        |        |        |        | -0.0075 | 0.0125 | -0.01   | -0.01   | -0.006  |
| 0.005                      |        |        |        |        |        |         | 0.02   | -0.0025 | -0.0025 | 0.0015  |
| 0.025                      |        |        |        |        |        |         |        | -0.0225 | -0.0225 | -0.0185 |
| 0.0025                     |        |        |        |        |        |         |        |         | 0       | 0.004   |
| 0.0025                     |        |        |        |        |        |         |        |         |         | 0.004   |
| 0.0065                     |        |        |        |        |        |         |        |         |         |         |

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 18         | 18       |
| S Value    | 0        |
| n          | 10       |
| P Value    | 0.5      |
| Evaluation | No Trend |

| Mann-Kendall Trend: Fall |        |        |        |        |        |        |         |        |         |         |
|--------------------------|--------|--------|--------|--------|--------|--------|---------|--------|---------|---------|
| Year                     | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   | 2014    | 2015   | 2016    | 2017    |
| Data                     | 0.0065 | 0.0065 | 0.0065 | 0.0125 | 0.0125 | 0.0125 | 0.005   | 0.025  | 0.0025  | 0.0065  |
| 0.0065                   |        | 0      | 0      | 0.006  | 0.006  | 0.006  | -0.0015 | 0.0185 | -0.004  | 0       |
| 0.0065                   |        |        | 0      | 0.006  | 0.006  | 0.006  | -0.0015 | 0.0185 | -0.004  | 0       |
| 0.0125                   |        |        |        | 0.006  | 0.006  | 0.006  | -0.0015 | 0.0185 | -0.004  | 0       |
| 0.0125                   |        |        |        |        | 0      | 0      | -0.0075 | 0.0125 | -0.01   | -0.006  |
| 0.0125                   |        |        |        |        |        | 0      | -0.0075 | 0.0125 | -0.01   | -0.006  |
| 0.0125                   |        |        |        |        |        |        | -0.0075 | 0.0125 | -0.01   | -0.006  |
| 0.005                    |        |        |        |        |        |        |         | 0.02   | -0.0025 | 0.0015  |
| 0.025                    |        |        |        |        |        |        |         |        | -0.0225 | -0.0185 |
| 0.0025                   |        |        |        |        |        |        |         |        |         | 0.004   |
| 0.0065                   |        |        |        |        |        |        |         |        |         |         |



Mann-Kendall Analysis: 1,1,1-TCA  
CooperVision, Inc.  
Scottsville, New York  
VCA V00157-8

Degree of Confidence (Alpha):

0.05

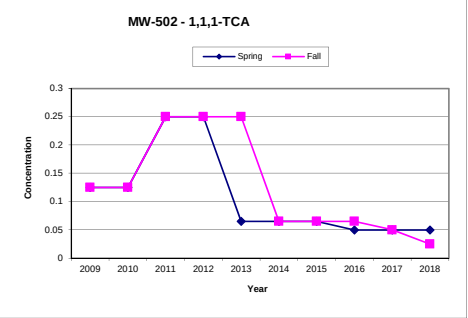
MW-502

| S Value    |            |
|------------|------------|
| Neg        | Pos        |
| 33         | 4          |
| S Value    | -29        |
| n          | 10         |
| P Value    | 0.0046     |
| Evaluation | Decreasing |

| Mann-Kendall Trend: Spring |       |       |       |       |        |        |        |        |        |        |
|----------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| Year                       | 2009  | 2010  | 2011  | 2012  | 2013   | 2014   | 2015   | 2016   | 2017   | 2018   |
| Data                       | 0.125 | 0.125 | 0.25  | 0.25  | 0.065  | 0.065  | 0.065  | 0.05   | 0.05   | 0.05   |
| 0.125                      |       | 0     | 0.125 | 0.125 | -0.06  | -0.06  | -0.06  | -0.075 | -0.075 | -0.075 |
| 0.125                      |       |       | 0.125 | 0.125 | -0.06  | -0.06  | -0.06  | -0.075 | -0.075 | -0.075 |
| 0.25                       |       |       |       | 0     | -0.185 | -0.185 | -0.185 | -0.2   | -0.2   | -0.2   |
| 0.25                       |       |       |       |       | -0.185 | -0.185 | -0.185 | -0.2   | -0.2   | -0.2   |
| 0.065                      |       |       |       |       |        | 0      | 0      | -0.015 | -0.015 | -0.015 |
| 0.065                      |       |       |       |       |        |        | 0      | -0.015 | -0.015 | -0.015 |
| 0.065                      |       |       |       |       |        |        |        | -0.015 | -0.015 | -0.015 |
| 0.05                       |       |       |       |       |        |        |        |        | 0      | 0      |
| 0.05                       |       |       |       |       |        |        |        |        |        | 0      |
| 0.05                       |       |       |       |       |        |        |        |        |        | 0      |

| S Value    |            |
|------------|------------|
| Neg        | Pos        |
| 32         | 6          |
| S Value    | -26        |
| n          | 10         |
| P Value    | 0.0083     |
| Evaluation | Decreasing |

| Mann-Kendall Trend: Fall |       |       |       |       |       |        |        |        |        |        |
|--------------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| Year                     | 2008  | 2009  | 2010  | 2011  | 2012  | 2013   | 2014   | 2015   | 2016   | 2017   |
| Data                     | 0.125 | 0.125 | 0.25  | 0.25  | 0.25  | 0.065  | 0.065  | 0.065  | 0.05   | 0.025  |
| 0.125                    |       | 0     | 0.125 | 0.125 | 0.125 | -0.06  | -0.06  | -0.06  | -0.075 | -0.1   |
| 0.125                    |       |       | 0.125 | 0.125 | 0.125 | -0.06  | -0.06  | -0.06  | -0.075 | -0.1   |
| 0.25                     |       |       |       | 0     | 0     | -0.185 | -0.185 | -0.185 | -0.2   | -0.225 |
| 0.25                     |       |       |       |       | 0     | -0.185 | -0.185 | -0.185 | -0.2   | -0.225 |
| 0.25                     |       |       |       |       |       | -0.185 | -0.185 | -0.185 | -0.2   | -0.225 |
| 0.065                    |       |       |       |       |       | -0.185 | -0.185 | -0.185 | -0.2   | -0.225 |
| 0.065                    |       |       |       |       |       |        | 0      | 0      | -0.015 | -0.04  |
| 0.065                    |       |       |       |       |       |        |        | 0      | -0.015 | -0.04  |
| 0.05                     |       |       |       |       |       |        |        |        | -0.015 | -0.04  |
| 0.025                    |       |       |       |       |       |        |        |        |        | -0.025 |



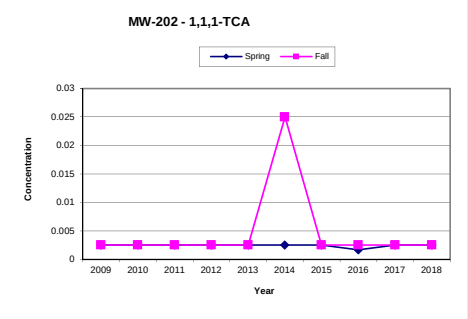
MW-202

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 7          | 2        |
| S Value    | -5       |
| n          | 10       |
| P Value    | 0.364    |
| Evaluation | No Trend |

| Mann-Kendall Trend: Spring |        |        |        |        |        |        |        |         |        |        |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| Year                       | 2009   | 2010   | 2011   | 2012   | 2013   | 2014   | 2015   | 2016    | 2017   | 2018   |
| Data                       | 0.0025 | 0.0025 | 0.0025 | 0.0025 | 0.0025 | 0.0025 | 0.0025 | 0.0017  | 0.0025 | 0.0025 |
| 0.0025                     |        | 0      | 0      | 0      | 0      | 0      | 0      | -0.0008 | 0      | 0      |
| 0.0025                     |        |        | 0      | 0      | 0      | 0      | 0      | -0.0008 | 0      | 0      |
| 0.0025                     |        |        |        | 0      | 0      | 0      | 0      | -0.0008 | 0      | 0      |
| 0.0025                     |        |        |        |        | 0      | 0      | 0      | -0.0008 | 0      | 0      |
| 0.0025                     |        |        |        |        |        | 0      | 0      | -0.0008 | 0      | 0      |
| 0.0025                     |        |        |        |        |        |        | 0      | -0.0008 | 0      | 0      |
| 0.0025                     |        |        |        |        |        |        |        | -0.0008 | 0      | 0      |
| 0.0017                     |        |        |        |        |        |        |        |         | 0.0008 | 0.0008 |
| 0.0025                     |        |        |        |        |        |        |        |         |        | 0      |
| 0.0025                     |        |        |        |        |        |        |        |         |        |        |

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 4          | 5        |
| S Value    | 1        |
| n          | 10       |
| P Value    | 0.5      |
| Evaluation | No Trend |

| Mann-Kendall Trend: Fall |        |        |        |        |        |        |         |         |         |         |
|--------------------------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| Year                     | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   | 2014    | 2015    | 2016    | 2017    |
| Data                     | 0.0025 | 0.0025 | 0.0025 | 0.0025 | 0.0025 | 0.025  | 0.0025  | 0.0025  | 0.0025  | 0.0025  |
| 0.0025                   |        | 0      | 0      | 0      | 0      | 0.0225 | 0       | 0       | 0       | 0       |
| 0.0025                   |        |        | 0      | 0      | 0      | 0.0225 | 0       | 0       | 0       | 0       |
| 0.0025                   |        |        |        | 0      | 0      | 0.0225 | 0       | 0       | 0       | 0       |
| 0.0025                   |        |        |        |        | 0      | 0.0225 | 0       | 0       | 0       | 0       |
| 0.0025                   |        |        |        |        |        | 0.0225 | 0       | 0       | 0       | 0       |
| 0.025                    |        |        |        |        |        |        | -0.0225 | -0.0225 | -0.0225 | -0.0225 |
| 0.0025                   |        |        |        |        |        |        |         | 0       | 0       | 0       |
| 0.0025                   |        |        |        |        |        |        |         |         | 0       | 0       |
| 0.0025                   |        |        |        |        |        |        |         |         |         | 0       |
| 0.0025                   |        |        |        |        |        |        |         |         |         |         |



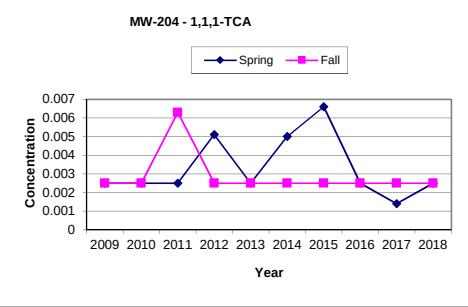
MW-204

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 16         | 14       |
| S Value    | -2       |
| n          | 10       |
| P Value    | 0.431    |
| Evaluation | No Trend |

| Mann-Kendall Trend: Spring |        |        |        |        |         |         |        |         |         |         |
|----------------------------|--------|--------|--------|--------|---------|---------|--------|---------|---------|---------|
| Year                       | 2009   | 2010   | 2011   | 2012   | 2013    | 2014    | 2015   | 2016    | 2017    | 2018    |
| Data                       | 0.0025 | 0.0025 | 0.0025 | 0.0051 | 0.0025  | 0.005   | 0.0066 | 0.0025  | 0.0014  | 0.0025  |
| 0.0025                     |        | 0      | 0      | 0.0026 | 0       | 0.0025  | 0.0041 | 0       | -0.0011 | 0       |
| 0.0025                     |        |        | 0      | 0.0026 | 0       | 0.0025  | 0.0041 | 0       | -0.0011 | 0       |
| 0.0025                     |        |        |        | 0.0026 | 0       | 0.0025  | 0.0041 | 0       | -0.0011 | 0       |
| 0.0051                     |        |        |        |        | -0.0026 | -0.0001 | 0.0015 | -0.0026 | -0.0037 | -0.0026 |
| 0.0025                     |        |        |        |        |         | 0.0025  | 0.0041 | 0       | -0.0011 | 0       |
| 0.005                      |        |        |        |        |         |         | 0.0016 | -0.0025 | -0.0036 | -0.0025 |
| 0.0066                     |        |        |        |        |         |         |        | -0.0041 | -0.0052 | -0.0041 |
| 0.0025                     |        |        |        |        |         |         |        |         | -0.0011 | 0       |
| 0.0014                     |        |        |        |        |         |         |        |         |         | 0.0011  |
| 0.0025                     |        |        |        |        |         |         |        |         |         |         |

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 7          | 2        |
| S Value    | -5       |
| n          | 10       |
| P Value    | 0.364    |
| Evaluation | No Trend |

| Mann-Kendall Trend: Fall |        |        |        |         |         |         |         |         |         |         |
|--------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| Year                     | 2008   | 2009   | 2010   | 2011    | 2012    | 2013    | 2014    | 2015    | 2016    | 2017    |
| Data                     | 0.0025 | 0.0025 | 0.0063 | 0.0025  | 0.0025  | 0.0025  | 0.0025  | 0.0025  | 0.0025  | 0.0025  |
| 0.0025                   |        | 0      | 0.0038 | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| 0.0025                   |        |        | 0.0038 | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| 0.0063                   |        |        |        | -0.0038 | -0.0038 | -0.0038 | -0.0038 | -0.0038 | -0.0038 | -0.0038 |
| 0.0025                   |        |        |        |         | 0       | 0       | 0       | 0       | 0       | 0       |
| 0.0025                   |        |        |        |         |         | 0       | 0       | 0       | 0       | 0       |
| 0.0025                   |        |        |        |         |         |         | 0       | 0       | 0       | 0       |
| 0.0025                   |        |        |        |         |         |         |         | 0       | 0       | 0       |
| 0.0025                   |        |        |        |         |         |         |         |         | 0       | 0       |
| 0.0025                   |        |        |        |         |         |         |         |         |         | 0       |
| 0.0025                   |        |        |        |         |         |         |         |         |         |         |



Mann-Kendall Analysis: 1,1-DCA  
CooperVision, Inc.  
Scottsville, New York  
VCA V00157-8

Degree of Confidence (Alpha): 0.05

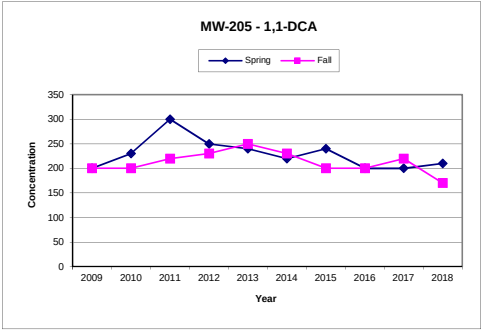
MW-205

|            |          |
|------------|----------|
| S Value    |          |
| Neg        | Pos      |
| 27         | 14       |
| S Value    | -13      |
| n          | 10       |
| P Value    | 0.146    |
| Evaluation | No Trend |

|                            |      |      |      |      |      |      |      |      |      |      |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| Mann-Kendall Trend: Spring |      |      |      |      |      |      |      |      |      |      |
| Year                       | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Data                       | 200  | 230  | 300  | 250  | 240  | 220  | 240  | 200  | 200  | 210  |
| 200                        |      | 30   | 100  | 50   | 40   | 20   | 40   | 0    | 0    | 10   |
| 230                        |      |      | 70   | 20   | 10   | -10  | 10   | -30  | -30  | -20  |
| 300                        |      |      |      | -50  | -60  | -80  | -60  | -100 | -100 | -90  |
| 250                        |      |      |      |      | -10  | -30  | -10  | -50  | -50  | -40  |
| 240                        |      |      |      |      |      | -20  | 0    | -40  | -40  | -30  |
| 220                        |      |      |      |      |      |      | 20   | -20  | -20  | -10  |
| 240                        |      |      |      |      |      |      |      | -40  | -40  | -30  |
| 200                        |      |      |      |      |      |      |      |      | 0    | 10   |
| 200                        |      |      |      |      |      |      |      |      |      | 10   |
| 210                        |      |      |      |      |      |      |      |      |      |      |

|            |          |
|------------|----------|
| S Value    |          |
| Neg        | Pos      |
| 21         | 16       |
| S Value    | -5       |
| n          | 10       |
| P Value    | 0.364    |
| Evaluation | No Trend |

|                          |      |      |      |      |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|------|------|------|------|
| Mann-Kendall Trend: Fall |      |      |      |      |      |      |      |      |      |      |
| Year                     | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Data                     | 200  | 200  | 220  | 230  | 250  | 230  | 200  | 200  | 220  | 170  |
| 200                      |      | 0    | 20   | 30   | 50   | 30   | 0    | 0    | 20   | -30  |
| 200                      |      |      | 20   | 30   | 50   | 30   | 0    | 0    | 20   | -30  |
| 220                      |      |      |      | 10   | 30   | 10   | -20  | -20  | 0    | -50  |
| 230                      |      |      |      |      | 20   | 0    | -30  | -30  | -10  | -60  |
| 250                      |      |      |      |      |      | -20  | -50  | -50  | -30  | -80  |
| 230                      |      |      |      |      |      |      | -30  | -30  | -10  | -60  |
| 200                      |      |      |      |      |      |      |      | 0    | 20   | -30  |
| 200                      |      |      |      |      |      |      |      |      | 20   | -30  |
| 220                      |      |      |      |      |      |      |      |      |      | -50  |
| 170                      |      |      |      |      |      |      |      |      |      |      |



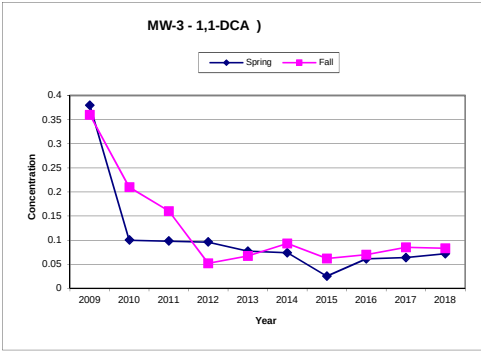
MW-3

|            |            |
|------------|------------|
| S Value    |            |
| Neg        | Pos        |
| 39         | 6          |
| S Value    | -33        |
| n          | 10         |
| P Value    | 0.0011     |
| Evaluation | Decreasing |

|                            |      |       |        |        |        |        |        |        |        |        |
|----------------------------|------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| Mann-Kendall Trend: Spring |      |       |        |        |        |        |        |        |        |        |
| Year                       | 2009 | 2010  | 2011   | 2012   | 2013   | 2014   | 2015   | 2016   | 2017   | 2018   |
| Data                       | 0.38 | 0.1   | 0.098  | 0.096  | 0.077  | 0.074  | 0.025  | 0.061  | 0.064  | 0.072  |
| 0.38                       |      | -0.28 | -0.282 | -0.284 | -0.303 | -0.306 | -0.355 | -0.319 | -0.316 | -0.308 |
| 0.1                        |      |       | -0.002 | -0.004 | -0.023 | -0.026 | -0.075 | -0.039 | -0.036 | -0.028 |
| 0.098                      |      |       |        | -0.002 | -0.021 | -0.024 | -0.073 | -0.037 | -0.034 | -0.026 |
| 0.096                      |      |       |        |        | -0.019 | -0.022 | -0.071 | -0.035 | -0.032 | -0.024 |
| 0.077                      |      |       |        |        |        | -0.003 | -0.052 | -0.016 | -0.013 | -0.005 |
| 0.074                      |      |       |        |        |        |        | -0.049 | -0.013 | -0.01  | -0.002 |
| 0.025                      |      |       |        |        |        |        |        | 0.036  | 0.039  | 0.047  |
| 0.061                      |      |       |        |        |        |        |        |        | 0.003  | 0.011  |
| 0.064                      |      |       |        |        |        |        |        |        |        | 0.008  |
| 0.072                      |      |       |        |        |        |        |        |        |        |        |

|            |          |
|------------|----------|
| S Value    |          |
| Neg        | Pos      |
| 30         | 15       |
| S Value    | -15      |
| n          | 10       |
| P Value    | 0.108    |
| Evaluation | No Trend |

|                          |      |       |       |        |        |        |        |        |        |        |
|--------------------------|------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| Mann-Kendall Trend: Fall |      |       |       |        |        |        |        |        |        |        |
| Year                     | 2008 | 2009  | 2010  | 2011   | 2012   | 2013   | 2014   | 2015   | 2016   | 2017   |
| Data                     | 0.36 | 0.21  | 0.16  | 0.052  | 0.067  | 0.093  | 0.062  | 0.07   | 0.085  | 0.083  |
| 0.36                     |      | -0.15 | -0.2  | -0.308 | -0.293 | -0.267 | -0.298 | -0.29  | -0.275 | -0.277 |
| 0.21                     |      |       | -0.05 | -0.158 | -0.143 | -0.117 | -0.148 | -0.14  | -0.125 | -0.127 |
| 0.16                     |      |       |       | -0.108 | -0.093 | -0.067 | -0.098 | -0.09  | -0.075 | -0.077 |
| 0.052                    |      |       |       |        | 0.015  | 0.041  | 0.01   | 0.018  | 0.033  | 0.031  |
| 0.067                    |      |       |       |        |        | 0.026  | -0.005 | 0.003  | 0.018  | 0.016  |
| 0.093                    |      |       |       |        |        |        | -0.031 | -0.023 | -0.008 | -0.01  |
| 0.062                    |      |       |       |        |        |        |        | 0.008  | 0.023  | 0.021  |
| 0.07                     |      |       |       |        |        |        |        |        | 0.015  | 0.013  |
| 0.085                    |      |       |       |        |        |        |        |        |        | -0.002 |
| 0.083                    |      |       |       |        |        |        |        |        |        |        |



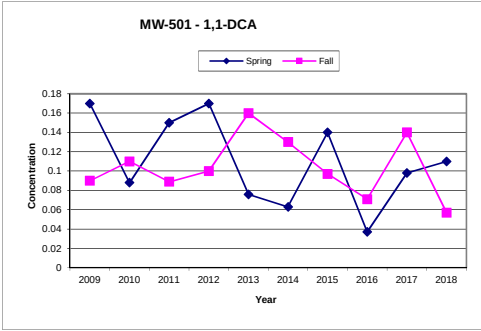
MW-501

|            |          |
|------------|----------|
| S Value    |          |
| Neg        | Pos      |
| 29         | 15       |
| S Value    | -14      |
| n          | 10       |
| P Value    | 0.108    |
| Evaluation | No Trend |

|                            |      |        |       |       |        |        |       |        |        |       |
|----------------------------|------|--------|-------|-------|--------|--------|-------|--------|--------|-------|
| Mann-Kendall Trend: Spring |      |        |       |       |        |        |       |        |        |       |
| Year                       | 2009 | 2010   | 2011  | 2012  | 2013   | 2014   | 2015  | 2016   | 2017   | 2018  |
| Data                       | 0.17 | 0.088  | 0.15  | 0.17  | 0.076  | 0.063  | 0.14  | 0.037  | 0.098  | 0.11  |
| 0.17                       |      | -0.082 | -0.02 | 0     | -0.094 | -0.107 | -0.03 | -0.133 | -0.072 | -0.06 |
| 0.088                      |      |        | 0.062 | 0.082 | -0.012 | -0.025 | 0.052 | -0.051 | 0.01   | 0.022 |
| 0.15                       |      |        |       | 0.02  | -0.074 | -0.087 | -0.01 | -0.113 | -0.052 | -0.04 |
| 0.17                       |      |        |       |       | -0.094 | -0.107 | -0.03 | -0.133 | -0.072 | -0.06 |
| 0.076                      |      |        |       |       |        | -0.013 | 0.064 | -0.039 | 0.022  | 0.034 |
| 0.063                      |      |        |       |       |        |        | 0.077 | -0.026 | 0.035  | 0.047 |
| 0.14                       |      |        |       |       |        |        |       | -0.103 | -0.042 | -0.03 |
| 0.037                      |      |        |       |       |        |        |       |        | 0.061  | 0.073 |
| 0.098                      |      |        |       |       |        |        |       |        |        | 0.012 |
| 0.11                       |      |        |       |       |        |        |       |        |        |       |

|            |          |
|------------|----------|
| S Value    |          |
| Neg        | Pos      |
| 25         | 20       |
| S Value    | -5       |
| n          | 10       |
| P Value    | 0.364    |
| Evaluation | No Trend |

|                          |      |      |        |       |       |       |        |        |       |        |
|--------------------------|------|------|--------|-------|-------|-------|--------|--------|-------|--------|
| Mann-Kendall Trend: Fall |      |      |        |       |       |       |        |        |       |        |
| Year                     | 2008 | 2009 | 2010   | 2011  | 2012  | 2013  | 2014   | 2015   | 2016  | 2017   |
| Data                     | 0.09 | 0.11 | 0.089  | 0.1   | 0.16  | 0.13  | 0.097  | 0.071  | 0.14  | 0.057  |
| 0.09                     |      | 0.02 | -0.001 | 0.01  | 0.07  | 0.04  | 0.007  | -0.019 | 0.05  | -0.033 |
| 0.11                     |      |      | -0.021 | -0.01 | 0.05  | 0.02  | -0.013 | -0.039 | 0.03  | -0.053 |
| 0.089                    |      |      |        | 0.011 | 0.071 | 0.041 | 0.008  | -0.018 | 0.051 | -0.032 |
| 0.1                      |      |      |        |       | 0.06  | 0.03  | -0.003 | -0.029 | 0.04  | -0.043 |
| 0.16                     |      |      |        |       |       | -0.03 | -0.063 | -0.089 | -0.02 | -0.103 |
| 0.13                     |      |      |        |       |       |       | -0.033 | -0.059 | 0.01  | -0.073 |
| 0.097                    |      |      |        |       |       |       |        | -0.026 | 0.043 | -0.04  |
| 0.071                    |      |      |        |       |       |       |        |        | 0.069 | -0.014 |
| 0.14                     |      |      |        |       |       |       |        |        |       | -0.083 |
| 0.057                    |      |      |        |       |       |       |        |        |       |        |



Mann-Kendall Analysis: 1,1-DCA  
CooperVision, Inc.  
Scottsville, New York  
VCA V00157-8

Degree of Confidence (Alpha): 0.05

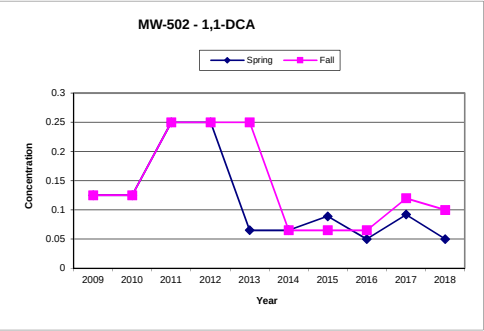
MW-502

| S Value    |            |
|------------|------------|
| Neg        | Pos        |
| 31         | 10         |
| S Value    | -21        |
| n          | 10         |
| P Value    | 0.036      |
| Evaluation | Decreasing |

| Mann-Kendall Trend: Spring |       |       |       |       |        |        |        |        |        |        |
|----------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| Year                       | 2009  | 2010  | 2011  | 2012  | 2013   | 2014   | 2015   | 2016   | 2017   | 2018   |
| Data                       | 0.125 | 0.125 | 0.25  | 0.25  | 0.065  | 0.065  | 0.089  | 0.05   | 0.092  | 0.05   |
| 0.125                      |       | 0     | 0.125 | 0.125 | -0.06  | -0.06  | -0.036 | -0.075 | -0.033 | -0.075 |
| 0.125                      |       |       | 0.125 | 0.125 | -0.06  | -0.06  | -0.036 | -0.075 | -0.033 | -0.075 |
| 0.25                       |       |       |       | 0     | -0.185 | -0.185 | -0.161 | -0.2   | -0.158 | -0.2   |
| 0.25                       |       |       |       |       | -0.185 | -0.185 | -0.161 | -0.2   | -0.158 | -0.2   |
| 0.065                      |       |       |       |       |        | 0      | 0.024  | -0.015 | 0.027  | -0.015 |
| 0.065                      |       |       |       |       |        |        | 0.024  | -0.015 | 0.027  | -0.015 |
| 0.089                      |       |       |       |       |        |        |        | -0.039 | 0.003  | -0.039 |
| 0.05                       |       |       |       |       |        |        |        |        | 0.042  | 0      |
| 0.092                      |       |       |       |       |        |        |        |        |        | -0.042 |
| 0.05                       |       |       |       |       |        |        |        |        |        |        |

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 26         | 12       |
| S Value    | -14      |
| n          | 10       |
| P Value    | 0.108    |
| Evaluation | No Trend |

| Mann-Kendall Trend: Fall |       |       |       |       |       |        |        |        |        |        |
|--------------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| Year                     | 2008  | 2009  | 2010  | 2011  | 2012  | 2013   | 2014   | 2015   | 2016   | 2017   |
| Data                     | 0.125 | 0.125 | 0.25  | 0.25  | 0.25  | 0.065  | 0.065  | 0.065  | 0.12   | 0.10   |
| 0.125                    |       | 0     | 0.125 | 0.125 | 0.125 | -0.06  | -0.06  | -0.06  | -0.005 | -0.025 |
| 0.125                    |       |       | 0.125 | 0.125 | 0.125 | -0.06  | -0.06  | -0.06  | -0.005 | -0.025 |
| 0.25                     |       |       |       | 0     | 0     | -0.185 | -0.185 | -0.185 | -0.13  | -0.15  |
| 0.25                     |       |       |       |       | 0     | -0.185 | -0.185 | -0.185 | -0.13  | -0.15  |
| 0.25                     |       |       |       |       |       | -0.185 | -0.185 | -0.185 | -0.13  | -0.15  |
| 0.065                    |       |       |       |       |       |        | 0      | 0      | 0.055  | 0.035  |
| 0.065                    |       |       |       |       |       |        |        | 0      | 0.055  | 0.035  |
| 0.065                    |       |       |       |       |       |        |        |        | 0.055  | 0.035  |
| 0.12                     |       |       |       |       |       |        |        |        |        | -0.02  |
| 0.10                     |       |       |       |       |       |        |        |        |        |        |



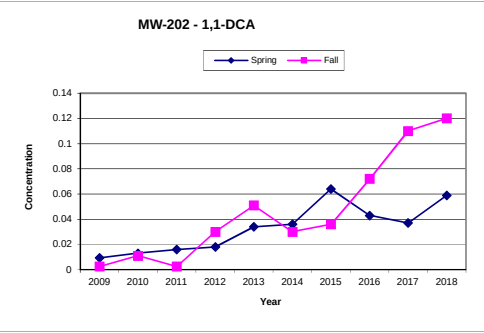
MW-202

| S Value    |            |
|------------|------------|
| Neg        | Pos        |
| 4          | 41         |
| S Value    | 43         |
| n          | 10         |
| P Value    | 0.0000028  |
| Evaluation | Increasing |

| Mann-Kendall Trend: Spring |        |        |        |        |        |        |        |        |        |        |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Year                       | 2009   | 2010   | 2011   | 2012   | 2013   | 2014   | 2015   | 2016   | 2017   | 2018   |
| Data                       | 0.0093 | 0.013  | 0.016  | 0.018  | 0.034  | 0.036  | 0.064  | 0.043  | 0.037  | 0.059  |
| 0.0093                     |        | 0.0037 | 0.0067 | 0.0087 | 0.0247 | 0.0267 | 0.0547 | 0.0337 | 0.0277 | 0.0497 |
| 0.013                      |        |        | 0.003  | 0.005  | 0.021  | 0.023  | 0.051  | 0.03   | 0.024  | 0.046  |
| 0.016                      |        |        |        | 0.002  | 0.018  | 0.02   | 0.048  | 0.027  | 0.021  | 0.043  |
| 0.018                      |        |        |        |        | 0.016  | 0.018  | 0.046  | 0.025  | 0.019  | 0.041  |
| 0.034                      |        |        |        |        |        | 0.002  | 0.03   | 0.009  | 0.003  | 0.025  |
| 0.036                      |        |        |        |        |        |        | 0.028  | 0.007  | 0.001  | 0.023  |
| 0.064                      |        |        |        |        |        |        |        | -0.021 | -0.027 | -0.005 |
| 0.043                      |        |        |        |        |        |        |        |        | -0.006 | 0.016  |
| 0.037                      |        |        |        |        |        |        |        |        |        | 0.022  |
| 0.059                      |        |        |        |        |        |        |        |        |        |        |

| S Value    |            |
|------------|------------|
| Neg        | Pos        |
| 3          | 40         |
| S Value    | 37         |
| n          | 10         |
| P Value    | 0.00018    |
| Evaluation | Increasing |

| Mann-Kendall Trend: Fall |        |        |         |        |        |        |        |        |        |        |
|--------------------------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Year                     | 2008   | 2009   | 2010    | 2011   | 2012   | 2013   | 2014   | 2015   | 2016   | 2017   |
| Data                     | 0.0025 | 0.011  | 0.0025  | 0.03   | 0.051  | 0.03   | 0.036  | 0.072  | 0.11   | 0.12   |
| 0.0025                   |        | 0.0085 | 0       | 0.0275 | 0.0485 | 0.0275 | 0.0335 | 0.0695 | 0.1075 | 0.1175 |
| 0.011                    |        |        | -0.0085 | 0.019  | 0.04   | 0.019  | 0.025  | 0.061  | 0.099  | 0.109  |
| 0.0025                   |        |        |         | 0.0275 | 0.0485 | 0.0275 | 0.0335 | 0.0695 | 0.1075 | 0.1175 |
| 0.03                     |        |        |         |        | 0.021  | 0      | 0.006  | 0.042  | 0.08   | 0.09   |
| 0.051                    |        |        |         |        |        | -0.021 | -0.015 | 0.021  | 0.059  | 0.069  |
| 0.03                     |        |        |         |        |        |        | 0.006  | 0.042  | 0.08   | 0.09   |
| 0.036                    |        |        |         |        |        |        |        | 0.036  | 0.074  | 0.084  |
| 0.072                    |        |        |         |        |        |        |        |        | 0.038  | 0.048  |
| 0.11                     |        |        |         |        |        |        |        |        |        | 0.01   |
| 0.12                     |        |        |         |        |        |        |        |        |        |        |



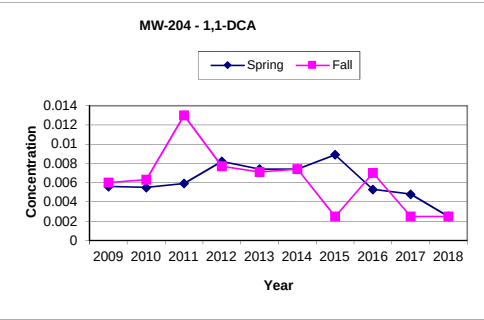
MW-204

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 27         | 17       |
| S Value    | -10      |
| n          | 10       |
| P Value    | 0.19     |
| Evaluation | No Trend |

| Mann-Kendall Trend: Spring |        |         |        |        |         |         |        |         |         |         |
|----------------------------|--------|---------|--------|--------|---------|---------|--------|---------|---------|---------|
| Year                       | 2009   | 2010    | 2011   | 2012   | 2013    | 2014    | 2015   | 2016    | 2017    | 2018    |
| Data                       | 0.0056 | 0.0055  | 0.0059 | 0.0082 | 0.0074  | 0.0074  | 0.0089 | 0.0053  | 0.0048  | 0.0025  |
| 0.0056                     |        | -0.0001 | 0.0003 | 0.0026 | 0.0018  | 0.0018  | 0.0033 | -0.0003 | -0.0008 | -0.0031 |
| 0.0055                     |        |         | 0.0004 | 0.0027 | 0.0019  | 0.0019  | 0.0034 | -0.0002 | -0.0007 | -0.003  |
| 0.0059                     |        |         |        | 0.0023 | 0.0015  | 0.0015  | 0.003  | -0.0006 | -0.0011 | -0.0034 |
| 0.0082                     |        |         |        |        | -0.0008 | -0.0008 | 0.0007 | -0.0029 | -0.0034 | -0.0057 |
| 0.0074                     |        |         |        |        |         | 0       | 0.0015 | -0.0021 | -0.0026 | -0.0049 |
| 0.0074                     |        |         |        |        |         |         | 0.0015 | -0.0021 | -0.0026 | -0.0049 |
| 0.0089                     |        |         |        |        |         |         |        | -0.0036 | -0.0041 | -0.0064 |
| 0.0053                     |        |         |        |        |         |         |        |         | -0.0005 | -0.0028 |
| 0.0048                     |        |         |        |        |         |         |        |         |         | -0.0023 |
| 0.0025                     |        |         |        |        |         |         |        |         |         |         |

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 29         | 13       |
| S Value    | -16      |
| n          | 10       |
| P Value    | 0.078    |
| Evaluation | No Trend |

| Mann-Kendall Trend: Fall |       |        |        |         |         |         |         |         |         |         |
|--------------------------|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| Year                     | 2007  | 2008   | 2009   | 2010    | 2011    | 2012    | 2013    | 2014    | 2015    | 2016    |
| Data                     | 0.006 | 0.0063 | 0.013  | 0.0077  | 0.0071  | 0.0074  | 0.0025  | 0.007   | 0.0025  | 0.0025  |
| 0.006                    |       | 0.0003 | 0.007  | 0.0017  | 0.0011  | 0.0014  | -0.0035 | 0.001   | -0.0035 | -0.0035 |
| 0.0063                   |       |        | 0.0067 | 0.0014  | 0.0008  | 0.0011  | -0.0038 | 0.0007  | -0.0038 | -0.0038 |
| 0.013                    |       |        |        | -0.0053 | -0.0059 | -0.0056 | -0.0105 | -0.006  | -0.0105 | -0.0105 |
| 0.0077                   |       |        |        |         | -0.0006 | -0.0003 | -0.0052 | -0.0007 | -0.0052 | -0.0052 |
| 0.0071                   |       |        |        |         |         | 0.0003  | -0.0046 | -0.0001 | -0.0046 | -0.0046 |
| 0.0074                   |       |        |        |         |         |         | -0.0049 | -0.0004 | -0.0049 | -0.0049 |
| 0.0025                   |       |        |        |         |         |         |         | 0.0045  | 0       | 0       |
| 0.007                    |       |        |        |         |         |         |         |         | -0.0045 | -0.0045 |
| 0.0025                   |       |        |        |         |         |         |         |         |         | 0       |
| 0.0025                   |       |        |        |         |         |         |         |         |         |         |





Mann-Kendall Analysis: 1,1-DCE  
CooperVision, Inc.  
Scottsville, New York  
VCA V00157-8

Degree of Confidence (Alpha):

0.05

MW-205

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 0          | 0        |
| S Value    | 0        |
| n          | 10       |
| P Value    | 0.5      |
| Evaluation | No Trend |

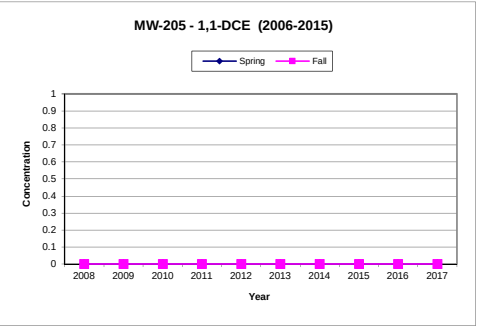
Mann-Kendall Trend: Spring

| Year | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|------|------|------|------|------|------|------|------|------|------|------|
| Data | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
|      |      | 0    |      | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
|      |      |      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
|      |      |      |      | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
|      |      |      |      |      | 0    | 0    | 0    | 0    | 0    | 0    |
|      |      |      |      |      |      | 0    | 0    | 0    | 0    | 0    |
|      |      |      |      |      |      |      | 0    | 0    | 0    | 0    |
|      |      |      |      |      |      |      |      | 0    | 0    | 0    |
|      |      |      |      |      |      |      |      |      | 0    | 0    |
|      |      |      |      |      |      |      |      |      |      | 0    |

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 0          | 0        |
| S Value    | 0        |
| n          | 10       |
| P Value    | 0.5      |
| Evaluation | No Trend |

Mann-Kendall Trend: Fall

| Year | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|------|------|------|------|------|------|------|------|------|------|------|
| Data | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
|      |      | 0    |      | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
|      |      |      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
|      |      |      |      | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
|      |      |      |      |      | 0    | 0    | 0    | 0    | 0    | 0    |
|      |      |      |      |      |      | 0    | 0    | 0    | 0    | 0    |
|      |      |      |      |      |      |      | 0    | 0    | 0    | 0    |
|      |      |      |      |      |      |      |      | 0    | 0    | 0    |
|      |      |      |      |      |      |      |      |      | 0    | 0    |
|      |      |      |      |      |      |      |      |      |      | 0    |



MW-3

| S Value    |            |
|------------|------------|
| Neg        | Pos        |
| 36         | 0          |
| S Value    | -36        |
| n          | 10         |
| P Value    | 0.00018    |
| Evaluation | Decreasing |

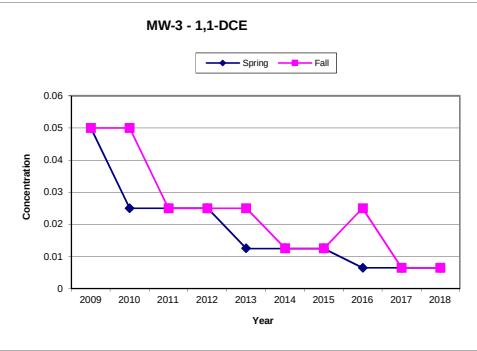
Mann-Kendall Trend: Spring

| Year | 2009   | 2010   | 2011   | 2012   | 2013    | 2014    | 2015    | 2016    | 2017    | 2018    |
|------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| Data | 0.05   | 0.025  | 0.025  | 0.025  | 0.0125  | 0.0125  | 0.0125  | 0.0065  | 0.0065  | 0.0065  |
|      | 0.05   | -0.025 | -0.025 | -0.025 | -0.0375 | -0.0375 | -0.0375 | -0.0435 | -0.0435 | -0.0435 |
|      | 0.025  |        | 0      | 0      | -0.0125 | -0.0125 | -0.0125 | -0.0185 | -0.0185 | -0.0185 |
|      | 0.025  |        |        | 0      | -0.0125 | -0.0125 | -0.0125 | -0.0185 | -0.0185 | -0.0185 |
|      | 0.025  |        |        |        | -0.0125 | -0.0125 | -0.0125 | -0.0185 | -0.0185 | -0.0185 |
|      | 0.0125 |        |        |        |         | 0       | 0       | -0.006  | -0.006  | -0.006  |
|      | 0.0125 |        |        |        |         |         | 0       | -0.006  | -0.006  | -0.006  |
|      | 0.0125 |        |        |        |         |         |         | -0.006  | -0.006  | -0.006  |
|      | 0.0065 |        |        |        |         |         |         |         | 0       | 0       |
|      | 0.0065 |        |        |        |         |         |         |         |         | 0       |
|      | 0.0065 |        |        |        |         |         |         |         |         |         |

| S Value    |            |
|------------|------------|
| Neg        | Pos        |
| 34         | 2          |
| S Value    | -32        |
| n          | 10         |
| P Value    | 0.0011     |
| Evaluation | Decreasing |

Mann-Kendall Trend: Fall

| Year | 2008   | 2009 | 2010  | 2011   | 2012   | 2013    | 2014    | 2015    | 2016    | 2017    |
|------|--------|------|-------|--------|--------|---------|---------|---------|---------|---------|
| Data | 0.05   | 0.05 | 0.025 | 0.025  | 0.025  | 0.0125  | 0.0125  | 0.025   | 0.0065  | 0.0065  |
|      | 0.05   |      | 0     | -0.025 | -0.025 | -0.0375 | -0.0375 | -0.025  | -0.0435 | -0.0435 |
|      | 0.05   |      |       | -0.025 | -0.025 | -0.0375 | -0.0375 | -0.025  | -0.0435 | -0.0435 |
|      | 0.025  |      |       |        | 0      | -0.0125 | -0.0125 | 0       | -0.0185 | -0.0185 |
|      | 0.025  |      |       |        |        | 0       | -0.0125 | -0.0125 | 0       | -0.0185 |
|      | 0.025  |      |       |        |        |         | -0.0125 | -0.0125 | 0       | -0.0185 |
|      | 0.0125 |      |       |        |        |         |         | 0       | 0.0125  | -0.006  |
|      | 0.0125 |      |       |        |        |         |         |         | 0.0125  | -0.006  |
|      | 0.025  |      |       |        |        |         |         |         |         | -0.0185 |
|      | 0.0065 |      |       |        |        |         |         |         | -0.0185 | -0.0185 |
|      | 0.0065 |      |       |        |        |         |         |         |         | 0       |



MW-501

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 18         | 19       |
| S Value    | 1        |
| n          | 10       |
| P Value    | 0.5      |
| Evaluation | No Trend |

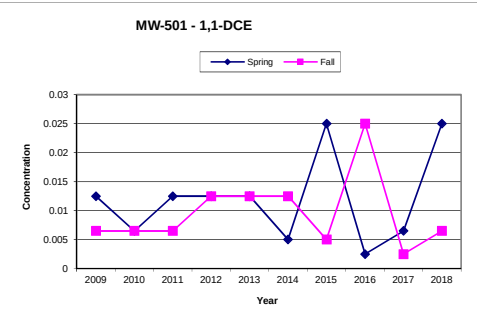
Mann-Kendall Trend: Spring

| Year | 2009   | 2010   | 2011   | 2012   | 2013   | 2014    | 2015   | 2016    | 2017    | 2018   |
|------|--------|--------|--------|--------|--------|---------|--------|---------|---------|--------|
| Data | 0.0125 | 0.0065 | 0.0125 | 0.0125 | 0.0125 | 0.005   | 0.025  | 0.0025  | 0.0065  | 0.025  |
|      | 0.0125 | -0.006 | 0      | 0      | 0      | -0.0075 | 0.0125 | -0.01   | -0.006  | 0.0125 |
|      | 0.0065 |        | 0.006  | 0.006  | 0.006  | -0.0015 | 0.0185 | -0.004  | 0       | 0.0185 |
|      | 0.0125 |        |        | 0      | 0      | -0.0075 | 0.0125 | -0.01   | -0.006  | 0.0125 |
|      | 0.0125 |        |        |        | 0      | -0.0075 | 0.0125 | -0.01   | -0.006  | 0.0125 |
|      | 0.0125 |        |        |        |        | -0.0075 | 0.0125 | -0.01   | -0.006  | 0.0125 |
|      | 0.005  |        |        |        |        |         | 0.02   | -0.0025 | 0.0015  | 0.02   |
|      | 0.025  |        |        |        |        |         |        | -0.0225 | -0.0185 | 0      |
|      | 0.0025 |        |        |        |        |         |        |         | 0.004   | 0.0225 |
|      | 0.0065 |        |        |        |        |         |        |         |         | 0.0185 |
|      | 0.025  |        |        |        |        |         |        |         |         |        |

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 18         | 18       |
| S Value    | 0        |
| n          | 10       |
| P Value    | 0.5      |
| Evaluation | No Trend |

Mann-Kendall Trend: Fall

| Year | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   | 2014    | 2015   | 2016    | 2017    |
|------|--------|--------|--------|--------|--------|--------|---------|--------|---------|---------|
| Data | 0.0065 | 0.0065 | 0.0065 | 0.0125 | 0.0125 | 0.0125 | 0.005   | 0.025  | 0.0025  | 0.0065  |
|      | 0.0065 |        | 0      | 0.006  | 0.006  | 0.006  | -0.0015 | 0.0185 | -0.004  | 0       |
|      | 0.0065 |        |        | 0      | 0.006  | 0.006  | -0.0015 | 0.0185 | -0.004  | 0       |
|      | 0.0065 |        |        |        | 0.006  | 0.006  | -0.0015 | 0.0185 | -0.004  | 0       |
|      | 0.0125 |        |        |        |        | 0      | -0.0075 | 0.0125 | -0.01   | -0.006  |
|      | 0.0125 |        |        |        |        |        | -0.0075 | 0.0125 | -0.01   | -0.006  |
|      | 0.0125 |        |        |        |        |        |         | 0.0125 | -0.01   | -0.006  |
|      | 0.005  |        |        |        |        |        |         |        | 0.02    | -0.0025 |
|      | 0.025  |        |        |        |        |        |         |        | -0.0225 | -0.0185 |
|      | 0.0025 |        |        |        |        |        |         |        |         | 0.004   |
|      | 0.0065 |        |        |        |        |        |         |        |         |         |





Mann-Kendall Analysis: 1,1-DCE  
CooperVision, Inc.  
Scottsville, New York  
VCA V00157-8

Degree of Confidence (Alpha):

0.05

MW-502

| S Value    |            |
|------------|------------|
| Neg        | Pos        |
| 35         | 4          |
| S Value    | -31        |
| n          | 10         |
| P Value    | 0.0023     |
| Evaluation | Decreasing |

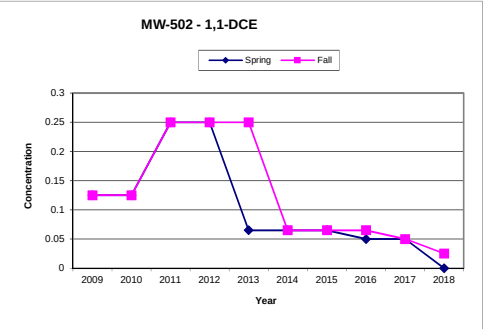
Mann-Kendall Trend: Spring

| Year  | 2009  | 2010  | 2011  | 2012  | 2013   | 2014   | 2015   | 2016   | 2017   | 2018   |
|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| Data  | 0.125 | 0.125 | 0.25  | 0.25  | 0.065  | 0.065  | 0.065  | 0.05   | 0.05   | 0      |
| 0.125 |       | 0     | 0.125 | 0.125 | -0.06  | -0.06  | -0.06  | -0.075 | -0.075 | -0.125 |
| 0.125 |       |       | 0.125 | 0.125 | -0.06  | -0.06  | -0.06  | -0.075 | -0.075 | -0.125 |
| 0.25  |       |       |       | 0     | -0.185 | -0.185 | -0.185 | -0.2   | -0.2   | -0.25  |
| 0.25  |       |       |       |       | -0.185 | -0.185 | -0.185 | -0.2   | -0.2   | -0.25  |
| 0.065 |       |       |       |       |        | 0      | 0      | -0.015 | -0.015 | -0.065 |
| 0.065 |       |       |       |       |        |        | 0      | -0.015 | -0.015 | -0.065 |
| 0.065 |       |       |       |       |        |        |        | -0.015 | -0.015 | -0.065 |
| 0.05  |       |       |       |       |        |        |        |        | 0      | -0.05  |
| 0.05  |       |       |       |       |        |        |        |        |        | -0.05  |
| 0     |       |       |       |       |        |        |        |        |        |        |

| S Value    |            |
|------------|------------|
| Neg        | Pos        |
| 32         | 6          |
| S Value    | -26        |
| n          | 10         |
| P Value    | 0.0083     |
| Evaluation | Decreasing |

Mann-Kendall Trend: Fall

| Year  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013   | 2014   | 2015   | 2016   | 2017   |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| Data  | 0.125 | 0.125 | 0.25  | 0.25  | 0.25  | 0.065  | 0.065  | 0.065  | 0.05   | 0.025  |
| 0.125 |       | 0     | 0.125 | 0.125 | 0.125 | -0.06  | -0.06  | -0.06  | -0.075 | -0.1   |
| 0.125 |       |       | 0.125 | 0.125 | 0.125 | -0.06  | -0.06  | -0.06  | -0.075 | -0.1   |
| 0.25  |       |       |       | 0     | 0     | -0.185 | -0.185 | -0.185 | -0.2   | -0.225 |
| 0.25  |       |       |       |       | 0     | -0.185 | -0.185 | -0.185 | -0.2   | -0.225 |
| 0.25  |       |       |       |       |       | -0.185 | -0.185 | -0.185 | -0.2   | -0.225 |
| 0.065 |       |       |       |       |       |        | 0      | 0      | -0.015 | -0.04  |
| 0.065 |       |       |       |       |       |        |        | 0      | -0.015 | -0.04  |
| 0.065 |       |       |       |       |       |        |        |        | -0.015 | -0.04  |
| 0.05  |       |       |       |       |       |        |        |        |        | -0.025 |
| 0.05  |       |       |       |       |       |        |        |        |        |        |
| 0.025 |       |       |       |       |       |        |        |        |        |        |



MW-202

| S Value    |            |
|------------|------------|
| Neg        | Pos        |
| 3          | 41         |
| S Value    | 38         |
| n          | 10         |
| P Value    | 0.00012    |
| Evaluation | Increasing |

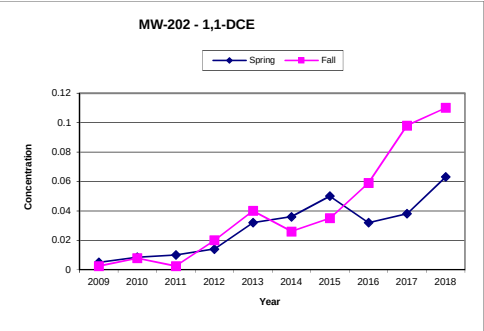
Mann-Kendall Trend: Spring

| Year   | 2009  | 2010   | 2011   | 2012   | 2013   | 2014   | 2015   | 2016   | 2017   | 2018   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Data   | 0.005 | 0.0085 | 0.01   | 0.014  | 0.032  | 0.036  | 0.05   | 0.032  | 0.038  | 0.063  |
| 0.005  |       | 0.0035 | 0.005  | 0.009  | 0.027  | 0.031  | 0.045  | 0.027  | 0.033  | 0.058  |
| 0.0085 |       |        | 0.0015 | 0.0055 | 0.0235 | 0.0275 | 0.0415 | 0.0235 | 0.0295 | 0.0545 |
| 0.01   |       |        |        | 0.004  | 0.022  | 0.026  | 0.04   | 0.022  | 0.028  | 0.053  |
| 0.014  |       |        |        |        | 0.018  | 0.022  | 0.036  | 0.018  | 0.024  | 0.049  |
| 0.032  |       |        |        |        |        | 0.004  | 0.018  | 0      | 0.006  | 0.031  |
| 0.036  |       |        |        |        |        |        | 0.014  | -0.004 | 0.002  | 0.027  |
| 0.05   |       |        |        |        |        |        |        | -0.018 | -0.012 | 0.013  |
| 0.032  |       |        |        |        |        |        |        |        | 0.006  | 0.031  |
| 0.038  |       |        |        |        |        |        |        |        |        | 0.025  |
| 0.063  |       |        |        |        |        |        |        |        |        |        |

| S Value    |            |
|------------|------------|
| Neg        | Pos        |
| 3          | 41         |
| S Value    | 38         |
| n          | 10         |
| P Value    | 0.00012    |
| Evaluation | Increasing |

Mann-Kendall Trend: Fall

| Year   | 2008   | 2009   | 2010    | 2011   | 2012   | 2013   | 2014   | 2015   | 2016   | 2017   |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Data   | 0.0025 | 0.0078 | 0.0025  | 0.02   | 0.04   | 0.026  | 0.035  | 0.059  | 0.10   | 0.11   |
| 0.0025 |        | 0.0053 | 0       | 0.0175 | 0.0375 | 0.0235 | 0.0325 | 0.0565 | 0.0955 | 0.1075 |
| 0.0078 |        |        | -0.0053 | 0.0122 | 0.0322 | 0.0182 | 0.0272 | 0.0512 | 0.0902 | 0.1022 |
| 0.0025 |        |        |         | 0.0175 | 0.0375 | 0.0235 | 0.0325 | 0.0565 | 0.0955 | 0.1075 |
| 0.02   |        |        |         |        | 0.02   | 0.006  | 0.015  | 0.039  | 0.078  | 0.09   |
| 0.04   |        |        |         |        |        | -0.014 | -0.005 | 0.019  | 0.058  | 0.07   |
| 0.026  |        |        |         |        |        |        | 0.009  | 0.033  | 0.072  | 0.084  |
| 0.035  |        |        |         |        |        |        |        | 0.024  | 0.063  | 0.075  |
| 0.059  |        |        |         |        |        |        |        |        | 0.039  | 0.051  |
| 0.10   |        |        |         |        |        |        |        |        |        | 0.012  |
| 0.11   |        |        |         |        |        |        |        |        |        |        |



MW-204

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 19         | 20       |
| S Value    | 1        |
| n          | 10       |
| P Value    | 0.5      |
| Evaluation | No Trend |

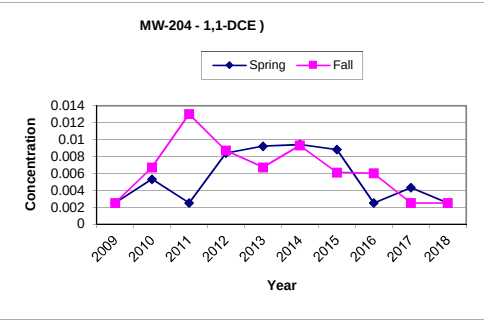
Mann-Kendall Trend: Spring

| Year   | 2009   | 2010   | 2011    | 2012   | 2013   | 2014   | 2015    | 2016    | 2017    | 2018    |
|--------|--------|--------|---------|--------|--------|--------|---------|---------|---------|---------|
| Data   | 0.0025 | 0.0053 | 0.0025  | 0.0084 | 0.0092 | 0.0094 | 0.0088  | 0.0025  | 0.0043  | 0.0025  |
| 0.0025 |        | 0.0028 | 0       | 0.0059 | 0.0067 | 0.0069 | 0.0063  | 0       | 0.0018  | 0       |
| 0.0053 |        |        | -0.0028 | 0.0031 | 0.0039 | 0.0041 | 0.0035  | -0.0028 | -0.001  | -0.0028 |
| 0.0025 |        |        |         | 0.0059 | 0.0067 | 0.0069 | 0.0063  | 0       | 0.0018  | 0       |
| 0.0084 |        |        |         |        | 0.0008 | 0.001  | 0.0004  | -0.0059 | -0.0041 | -0.0059 |
| 0.0092 |        |        |         |        |        | 0.0002 | -0.0004 | -0.0067 | -0.0049 | -0.0067 |
| 0.0094 |        |        |         |        |        |        | -0.0006 | -0.0069 | -0.0051 | -0.0069 |
| 0.0088 |        |        |         |        |        |        |         | -0.0063 | -0.0045 | -0.0063 |
| 0.0025 |        |        |         |        |        |        |         |         | 0.0018  | 0       |
| 0.0043 |        |        |         |        |        |        |         |         |         | -0.0018 |
| 0.0025 |        |        |         |        |        |        |         |         |         |         |

| S Value    |          |
|------------|----------|
| Neg        | Pos      |
| 29         | 12       |
| S Value    | -17      |
| n          | 10       |
| P Value    | 0.078    |
| Evaluation | No Trend |

Mann-Kendall Trend: Fall

| Year   | 2008   | 2009   | 2010   | 2011    | 2012    | 2013    | 2014    | 2015    | 2016    | 2017    |
|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| Data   | 0.0025 | 0.0067 | 0.013  | 0.0087  | 0.0067  | 0.0093  | 0.0061  | 0.006   | 0.0025  | 0.0025  |
| 0.0025 |        | 0.0042 | 0.0105 | 0.0062  | 0.0042  | 0.0068  | 0.0036  | 0.0035  | 0       | 0       |
| 0.0067 |        |        | 0.0063 | 0.002   | 0       | 0.0026  | -0.0006 | -0.0007 | -0.0042 | -0.0042 |
| 0.013  |        |        |        | -0.0043 | -0.0063 | -0.0037 | -0.0069 | -0.007  | -0.0105 | -0.0105 |
| 0.0087 |        |        |        |         | -0.002  | 0.0006  | -0.0026 | -0.0027 | -0.0062 | -0.0062 |
| 0.0067 |        |        |        |         |         | 0.0026  | -0.0006 | -0.0007 | -0.0042 | -0.0042 |
| 0.0093 |        |        |        |         |         |         | -0.0032 | -0.0033 | -0.0068 | -0.0068 |
| 0.0061 |        |        |        |         |         |         |         | -0.0001 | -0.0036 | -0.0036 |
| 0.006  |        |        |        |         |         |         |         |         | -0.0035 | -0.0035 |
| 0.0025 |        |        |        |         |         |         |         |         |         | 0       |
| 0.0025 |        |        |        |         |         |         |         |         |         |         |



## **APPENDIX N**

### **SSD System Maintenance and Monitoring Documentation**

|                                                                                                   |                                      |                      |
|---------------------------------------------------------------------------------------------------|--------------------------------------|----------------------|
| <br>CooperVision | TITLE: Monthly SSD System Monitoring | FORM NUMBER: FM00916 |
|                                                                                                   | REFERENCE SOP: SOP142-30             | REVISION NUMBER: 3   |

**Location (Site / Facility Name):** CooperVision, Inc.  
**Location (Address):** Scottsville, New York  
**Client:** CooperVision, Inc.

| Date    | Initials | Vacuum Reading (in. w.c.) |                      |               |                  |                    |                  | Visual Inspection | Comments / Remarks |
|---------|----------|---------------------------|----------------------|---------------|------------------|--------------------|------------------|-------------------|--------------------|
|         |          | S-1<br>Rochester          | S-2<br>Honeoye Falls | S-3<br>Hilton | S-4/5<br>Palmyra | S-6<br>Spencerport | S-7<br>Brockport |                   |                    |
| 5-27-17 | DOP      | 3.8                       | 3.6                  | 1.5           | 2.2              | 4.0                | 1.6              | YES               | All Good           |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |

**Notes:**

Document monthly readings  
 Email results yearly to contacts  
 Readings are in inches of water column (in.w.c.)

**Contacts:**

Mark Ramsdell  
 Haley & Aldrich 321-4262  
[Mramsdell@HaleyAldrich.com](mailto:Mramsdell@HaleyAldrich.com)

**TITLE: Monthly SSD System Monitoring****FORM NUMBER: FM00916****REFERENCE SOP: SOP142-30****REVISION NUMBER: 3**

**Location (Site / Facility Name):** CooperVision, Inc.  
**Location (Address):** Scottsville, New York  
**Client:** CooperVision, Inc.

| Date    | Initials | Vacuum Reading (in. w.c.) |                      |               |                  |                    |                  | Visual Inspection | Comments / Remarks |
|---------|----------|---------------------------|----------------------|---------------|------------------|--------------------|------------------|-------------------|--------------------|
|         |          | S-1<br>Rochester          | S-2<br>Honeoye Falls | S-3<br>Hilton | S-4/5<br>Palmyra | S-6<br>Spencerport | S-7<br>Brockport |                   |                    |
| 6-27-17 | SDR      | 3.8                       | 3.6                  | 1.6           | 2.2              | 4.0                | 1.5              | OK                |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |

**Notes:**

Document monthly readings  
Email results yearly to contacts  
Readings are in inches of water column (in.w.c.)

**Contacts:**

Mark Ramsdell  
Haley & Aldrich 321-4262  
[Mramsdell@HaleyAldrich.com](mailto:Mramsdell@HaleyAldrich.com)

|                                                                                  |                                             |                             |
|----------------------------------------------------------------------------------|---------------------------------------------|-----------------------------|
|  | <b>TITLE: Monthly SSD System Monitoring</b> | <b>FORM NUMBER:</b> FM00916 |
|                                                                                  | <b>REFERENCE SOP: SOP142-30</b>             | <b>REVISION NUMBER: 3</b>   |

**Location (Site / Facility Name):** CooperVision, Inc.  
**Location (Address):** Scottsville, New York  
**Client:** CooperVision, Inc.

| Date    | Initials | Vacuum Reading (in. w.c.) |                      |               |                  |                    |                  | Visual Inspection | Comments / Remarks |
|---------|----------|---------------------------|----------------------|---------------|------------------|--------------------|------------------|-------------------|--------------------|
|         |          | S-1<br>Rochester          | S-2<br>Honeoye Falls | S-3<br>Hilton | S-4/5<br>Palmyra | S-6<br>Spencerport | S-7<br>Brockport |                   |                    |
| 7-27-17 | DWP      | 3.8                       | 3.6                  | 1.6           | 2.2              | 3.9                | 1.6              | YES               |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |

**Notes:**  
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 Email results yearly to contacts  
 Readings are in inches of water column (in.w.c.)

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[Mramsdell@HaleyAldrich.com](mailto:Mramsdell@HaleyAldrich.com)

|                                                                                                   |                                      |                      |
|---------------------------------------------------------------------------------------------------|--------------------------------------|----------------------|
| <br>CooperVision | TITLE: Monthly SSD System Monitoring | FORM NUMBER: FM00916 |
|                                                                                                   | REFERENCE SOP: SOP142-30             | REVISION NUMBER: 3   |

**Location (Site / Facility Name):** CooperVision, Inc.  
**Location (Address):** Scottsville, New York  
**Client:** CooperVision, Inc.

| Date    | Initials | Vacuum Reading (in. w.c.) |                      |               |                  |                    |                  | Visual Inspection | Comments / Remarks |
|---------|----------|---------------------------|----------------------|---------------|------------------|--------------------|------------------|-------------------|--------------------|
|         |          | S-1<br>Rochester          | S-2<br>Honeoye Falls | S-3<br>Hilton | S-4/5<br>Palmyra | S-6<br>Spencerport | S-7<br>Brockport |                   |                    |
| 8-26-17 | DWP      | 3.8                       | 3.6                  | 1.5           | 2.2              | 3.9                | 1.6              | yes               |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |

**Notes:**

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 Email results yearly to contacts  
 Readings are in inches of water column (in.w.c.)

**Contacts:**

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[Mramsdell@HaleyAldrich.com](mailto:Mramsdell@HaleyAldrich.com)

**TITLE: Monthly SSD System Monitoring****FORM NUMBER: FM00916****REFERENCE SOP: SOP142-30****REVISION NUMBER: 3**

**Location (Site / Facility Name):** CooperVision, Inc.  
**Location (Address):** Scottsville, New York  
**Client:** CooperVision, Inc.

| Date    | Initials | Vacuum Reading (in. w.c.) |                      |               |                  |                    |                  | Visual Inspection | Comments / Remarks |
|---------|----------|---------------------------|----------------------|---------------|------------------|--------------------|------------------|-------------------|--------------------|
|         |          | S-1<br>Rochester          | S-2<br>Honeoye Falls | S-3<br>Hilton | S-4/5<br>Palmyra | S-6<br>Spencerport | S-7<br>Brockport |                   |                    |
| 9-25-17 | DWP      | 3.8                       | 3.6                  | 1.5           | 2.2              | 3.8                | 1.6              | DWP               | Good               |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |
|         |          |                           |                      |               |                  |                    |                  |                   |                    |

**Notes:**

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Readings are in inches of water column (in.w.c.)

**Contacts:**

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|                                                                                                   |                                      |                      |
|---------------------------------------------------------------------------------------------------|--------------------------------------|----------------------|
| <br>CooperVision | TITLE: Monthly SSD System Monitoring | FORM NUMBER: FM00916 |
|                                                                                                   | REFERENCE SOP: SOP142-30             | REVISION NUMBER: 3   |

**Location (Site / Facility Name):** CooperVision, Inc.  
**Location (Address):** Scottsville, New York  
**Client:** CooperVision, Inc.

| Date     | Initials | Vacuum Reading (in. w.c.) |                      |               |                  |                    |                  | Visual Inspection | Comments / Remarks |
|----------|----------|---------------------------|----------------------|---------------|------------------|--------------------|------------------|-------------------|--------------------|
|          |          | S-1<br>Rochester          | S-2<br>Honeoye Falls | S-3<br>Hilton | S-4/5<br>Palmyra | S-6<br>Spencerport | S-7<br>Brockport |                   |                    |
| 10-25-17 | DWP      | 3.8                       | 3.6                  | 1.5           | 2.2              | 3.8                | 1.6              | YES               | All Good           |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |

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 Email results yearly to contacts  
 Readings are in inches of water column (in.w.c.)

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|                                                                                                   |                                      |                      |
|---------------------------------------------------------------------------------------------------|--------------------------------------|----------------------|
| <br>CooperVision | TITLE: Monthly SSD System Monitoring | FORM NUMBER: FM00916 |
|                                                                                                   | REFERENCE SOP: SOP142-30             | REVISION NUMBER: 3   |

**Location (Site / Facility Name):** CooperVision, Inc.  
**Location (Address):** Scottsville, New York  
**Client:** CooperVision, Inc.

| Date     | Initials | Vacuum Reading (in. w.c.) |                      |               |                  |                    |                  | Visual Inspection | Comments / Remarks |
|----------|----------|---------------------------|----------------------|---------------|------------------|--------------------|------------------|-------------------|--------------------|
|          |          | S-1<br>Rochester          | S-2<br>Honeoye Falls | S-3<br>Hilton | S-4/5<br>Palmyra | S-6<br>Spencerport | S-7<br>Brockport |                   |                    |
| 11-24-17 | DWP      | 3.8                       | 3.6                  | 1.5           | 2.2              | 3.8                | 1.6              | YES               | All Good           |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |

**Notes:**

Document monthly readings  
 Email results yearly to contacts  
 Readings are in inches of water column (in.w.c.)

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|                                                                                                   |                                      |                    |         |
|---------------------------------------------------------------------------------------------------|--------------------------------------|--------------------|---------|
| <br>CooperVision | TITLE: Monthly SSD System Monitoring | FORM NUMBER:       | FM00916 |
|                                                                                                   | REFERENCE SOP: SOP142-30             | REVISION NUMBER: 4 |         |

**Location (Site / Facility Name):** CooperVision, Inc.  
**Location (Address):** Scottsville, New York  
**Client:** CooperVision, Inc.

| Date     | Initials | Vacuum Reading (in. w.c.) |                      |               |                  |                    |                  | Visual Inspection | Comments / Remarks |
|----------|----------|---------------------------|----------------------|---------------|------------------|--------------------|------------------|-------------------|--------------------|
|          |          | S-1<br>Rochester          | S-2<br>Honeoye Falls | S-3<br>Hilton | S-4/5<br>Palmyra | S-6<br>Spencerport | S-7<br>Brockport |                   |                    |
| 12-23-17 | DWP      | 3.8                       | 3.6                  | 1.5           | 2.2              | 3.8                | 1.6              | YES               | All Good           |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |
|          |          |                           |                      |               |                  |                    |                  |                   |                    |

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 Document monthly readings  
 Email results yearly to contacts  
 Readings are in inches of water column (in.w.c.)

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|                                                                                                   |                                      |                      |
|---------------------------------------------------------------------------------------------------|--------------------------------------|----------------------|
| <br>CooperVision | TITLE: Monthly SSD System Monitoring | FORM NUMBER: FM00916 |
|                                                                                                   | REFERENCE SOP: SOP142-30             | REVISION NUMBER: 4   |

**Location (Site / Facility Name):** CooperVision, Inc.  
**Location (Address):** Scottsville, New York  
**Client:** CooperVision, Inc.

| Date   | Initials | Vacuum Reading (in. w.c.) |                      |               |                  |                    |                  | Visual Inspection | Comments / Remarks |
|--------|----------|---------------------------|----------------------|---------------|------------------|--------------------|------------------|-------------------|--------------------|
|        |          | S-1<br>Rochester          | S-2<br>Honeoye Falls | S-3<br>Hilton | S-4/5<br>Palmyra | S-6<br>Spencerport | S-7<br>Brockport |                   |                    |
| 2-6-18 | DWP      | 3.8                       | 3.6                  | 1.5           | 2.2              | 3.8                | 1.6              | YES               | All Good           |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |

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|-----------------------------------------------------------------------------------|--------------------------------------|----------------------|
|  | TITLE: Monthly SSD System Monitoring | FORM NUMBER: FM00916 |
|                                                                                   | REFERENCE SOP: SOP142-30             | REVISION NUMBER: 4   |

**Location (Site / Facility Name):** CooperVision, Inc.  
**Location (Address):** Scottsville, New York  
**Client:** CooperVision, Inc.

| Date   | Initials | Vacuum Reading (in. w.c.) |                      |               |                  |                    |                  | Visual Inspection | Comments / Remarks |
|--------|----------|---------------------------|----------------------|---------------|------------------|--------------------|------------------|-------------------|--------------------|
|        |          | S-1<br>Rochester          | S-2<br>Honeoye Falls | S-3<br>Hilton | S-4/5<br>Palmyra | S-6<br>Spencerport | S-7<br>Brockport |                   |                    |
| 3-5-18 | DWP      | 3.8                       | 3.7                  | 1.5           | 2.2              | 3.8                | 1.7              | YES               | OK                 |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |

**Notes:**

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 Email results yearly to contacts  
 Readings are in inches of water column (in.w.c.)

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[Mramsdell@HaleyAldrich.com](mailto:Mramsdell@HaleyAldrich.com)

|                                                                                                   |                                      |                      |
|---------------------------------------------------------------------------------------------------|--------------------------------------|----------------------|
| <br>CooperVision | TITLE: Monthly SSD System Monitoring | FORM NUMBER: FM00916 |
|                                                                                                   | REFERENCE SOP: SOP142-30             | REVISION NUMBER: 4   |

**Location (Site / Facility Name):** CooperVision, Inc.  
**Location (Address):** Scottsville, New York  
**Client:** CooperVision, Inc.

| Date   | Initials | Vacuum Reading (in. w.c.) |                      |               |                  |                    |                  | Visual Inspection | Comments / Remarks |
|--------|----------|---------------------------|----------------------|---------------|------------------|--------------------|------------------|-------------------|--------------------|
|        |          | S-1<br>Rochester          | S-2<br>Honeoye Falls | S-3<br>Hilton | S-4/5<br>Palmyra | S-6<br>Spencerport | S-7<br>Brockport |                   |                    |
| 4-4-18 | DWP      | 3.8                       | 3.7                  | 1.5           | 2.2              | 3.8                | 1.7              | YES               | OK                 |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |

**Notes:**

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 Readings are in inches of water column (in.w.c.)

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|                                                                                                   |                                             |                             |
|---------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------|
| <br>CooperVision® | <b>TITLE: Monthly SSD System Monitoring</b> | <b>FORM NUMBER: FM00916</b> |
|                                                                                                   | <b>REFERENCE SOP: SOP142-30</b>             | <b>REVISION NUMBER: 4</b>   |

**Location (Site / Facility Name):** CooperVision, Inc.  
**Location (Address):** Scottsville, New York  
**Client:** CooperVision, Inc.

| Date   | Initials | Vacuum Reading (In. w.c.) |                      |               |                  |                    |                  | Visual Inspection | Comments / Remarks |
|--------|----------|---------------------------|----------------------|---------------|------------------|--------------------|------------------|-------------------|--------------------|
|        |          | S-1<br>Rochester          | S-2<br>Honeoye Falls | S-3<br>Hilton | S-4/5<br>Palmyra | S-6<br>Spencerport | S-7<br>Brockport |                   |                    |
| 5-4-18 | DWP      | 3.8                       | 3.7                  | 1.6           | 2.2              | 3.8                | 1.7              | YES               | All Good           |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |
|        |          |                           |                      |               |                  |                    |                  |                   |                    |

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**Table V**  
**Annual SSD System Monitoring**

Location (Site/Facil CooperVision  
Location (Address) Scottsville, NY  
Client: CooperVision

| Test Point         | 04/7/2016<br>Vacuum Reading<br>("WC) | 4/28/2017<br>Vacuum Reading<br>("WC) | 10/12/2017<br>Vacuum Reading<br>("WC) | 4/16/2018<br>Vacuum Reading<br>("WC) |
|--------------------|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|
| T-1                | 0.019                                | 0.027                                | 0.023                                 | 0.052                                |
| T-2                | *                                    | *                                    | *                                     | *                                    |
| T-3                | 0.272                                | 0.455                                | 0.522                                 | 0.517                                |
| T-4                | 0.023                                | 0.028                                | 0.032                                 | 0.038                                |
| T-5                | 0.030                                | 0.046                                | 0.066                                 | 0.020                                |
| T-6                | 0.034                                | 0.056                                | 0.058                                 | 0.028                                |
| T-7 (doors closed) | +0.006                               | +0.028                               | +0.020                                | 0.002                                |
| T-7 (doors open)   | +0.001                               | +0.009                               | +0.011                                | 0.000                                |
| T-8                | 0.033                                | 0.013                                | 0.032                                 | 0.038                                |
| T-9 (doors closed) | +0.002                               | 0.004                                | +0.071                                | +0.091                               |
| T-9 (doors open)   | 0.024                                | 0.023                                | 0.019                                 | 0.018                                |
| T-10               | 0.070                                | 0.074                                | 0.069                                 | 0.070                                |
| T-11               | 0.844                                | 0.758                                | 0.722                                 | 0.743                                |
| T-12               | 0.010                                | 0.020                                | 0.023                                 | 0.019                                |
| T-13               | 0.011                                | 0.008                                | 0.011                                 | 0.007                                |
| T-14               | 0.006                                | 0.005                                | 0.007                                 | 0.005                                |
| T-15               | 0.034                                | 0.034                                | 0.041                                 | 0.034                                |
| T-16               | 0.025                                | 0.022                                | 0.024                                 | 0.026                                |
| T-17               | 0.010                                | 0.016                                | 0.022                                 | 0.015                                |
| T-18               | 0.162                                | 0.162                                | 0.110                                 | 0.015                                |

\*T-2 is not a valid test point

" +0.006 " indicates a positive vacuum reading

**Visual Inspection of System:**  
System was in operation and intact.

**Recommendation Actions:**  
None

**Description of Past Year Activities:**  
The Facility went through interior renovations. The floor points and suction pits were not affected.

Date: 16-Apr-18  
Performed By: M.R., S.M., R.L.  
Job Number: 129375-003

| Suction Point | 04/7/2016<br>Vacuum Reading<br>("WC) | 4/28/2017<br>Vacuum Reading<br>("WC) | 10/12/2017<br>Vacuum Reading<br>("WC) | 4/16/2018<br>Vacuum Reading<br>("WC) |
|---------------|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|
| S-1           | 3.9                                  | 3.8                                  | 3.8                                   | 3.8                                  |
| S-2           | 3.7                                  | 3.7                                  | 3.8                                   | 3.8                                  |
| S-3           | 1.5                                  | 1.5                                  | 1.5                                   | 1.5                                  |
| S-4/5         | 2.1                                  | 2.1                                  | 2.1                                   | 2.1                                  |
| S-6           | 3.6                                  | 4.0                                  | 4.0                                   | 3.8                                  |
| S-7           | 1.7                                  | 1.7                                  | 1.7                                   | 1.8                                  |

Location (Site/Facility Name): **CooperVision**  
Location (Address): **Scottsville, NY**  
Client: **CooperVision**

Date: **18-Apr-18**  
Performed **S.M., R.L.**

| Suction Point | 4/16/2018<br>PID* Reading<br>(ppm) | 4/18/2018 PID*<br>Reading (ppm) with<br>vac box and tedlar<br>bag |
|---------------|------------------------------------|-------------------------------------------------------------------|
| <b>S-1</b>    | 0.00                               | 0.00                                                              |
| <b>S-2</b>    | 0.00                               | 0.00                                                              |
| <b>S-3</b>    | 0.00                               | 0.00                                                              |
| <b>S-4/5</b>  | 0.00                               | 0.00                                                              |
| <b>S-6</b>    | 0.00                               | 0.00                                                              |
| <b>S-7</b>    | 0.00                               | 0.00                                                              |

\* RAE MiniRAE 3000 PID, 11.7eV Lamp





## Calibration Certificate

rev 8/9/11

Work Order No.: SE-055668  
Date of Service: 4/16/2018 12:00:00 AM

Unit Under Test: RAE MiniRAE 3000 PID

Asset No.: FA01553  
Serial No: 592-912588

Technician: Brooke Tower

Initials: 

| TEST                 | Specification | Result |
|----------------------|---------------|--------|
| Standard Calibration | Pass/Fail     | Pass   |
|                      |               |        |
|                      |               |        |

TEST STANDARDS USED:

| DESCRIPTION               | LOT NO./EXPIRATION DATE                 | QUANTITY |
|---------------------------|-----------------------------------------|----------|
| 100ppm Isobutylene in Air | Lot No:KBH-248-100-3 Exp.<br>01/29/2022 | 1        |

TEST EQUIPMENT USED:

| DESCRIPTION | ASSET NO. | SERIAL NO. | DATE OF<br>LAST CAL | DATE CAL<br>DUE |
|-------------|-----------|------------|---------------------|-----------------|
|             |           |            |                     |                 |
|             |           |            |                     |                 |

Test Equipment and standards are traceable to National standards.  
11.7eV Lamp Installed



## Accessory Checklist RAE MiniRAE 3000

ASSET # FA01553

DATE 4/10/18

TECHNICIAN [Signature]

### STANDARD ACCESSORIES

- ☒ Hard Case
- ☒ Rubber Boot
- ☒ Li-Ion Battery Pack
- ☒ Flexible Inlet Probe (with external filter attached)
- ☒ Two (2) Spare External Filters
- ☒ Charging Cradle with AC Adapter
- ☒ USB Cable
- ☒ Basic Operation Pocket Reference Guide
- ☒ ProRAE Studio II Software Disk
- ☒ MiniRAE Resource CD
- ☒ MiniRAE User's Guide
- ☒ Tool Kit Includes:
  - ☐ Zeroing Filter Assembly
  - ☐ 5" length #1 Phillips Head Screw Driver
  - ☐ 2" length 2mm Hex L-Key Wrench
  - ☐ Air Outlet Adapter including 6" length of 1/8" x 1/4" vinyl tubing
  - ☐ Spare Porous Metal Filter (sealed)
- ☒ Alkaline Battery Adapter
- ☒ Four (4) AA Batteries (sealed & dated)
- ☒ Calibration Certificate

### LAMP INSTALLED

- ☐ 9.8 eV
- ☐ 10.6 eV
- ☒ 11.7 eV

### OPTIONAL ACCESSORIES:

- ☐ Loaner Gas Regulator: ☐ Male Thread ☐ Female Thread Flow Rate \_\_\_\_\_ lpm
- ☐ 12" length of 3/16" x 5/16" vinyl tubing
- ☐ Travel Charger & Serial Cable (for communications with Netronix Thiamis)
- ☐ Lamp Cleaning Kit