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2018 PERIODIC REVIEW REPORT

COOPERVISION FACILITY SITE #V00175-8
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. 129375-005
14 June 2019



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14 June 2019
File No. 129375-005

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road
East Avon, New York 14414

Attention: Mr. Frank Sowers, P.E.

Subject: Periodic Review Report for May 2018 – 2019
CooperVision Facility – VCA Site#V00175-8
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 2018 through 16 May 2019.

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 5 April 2019.

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

Sincerely yours,
HALEY & ALDRICH OF NEW YORK

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

Denis M. Conley
Senior Scientist

Vincent B. Dick
Principal

Enclosures

c: CooperVision; Attn: Tricia Wittreich, Bob Ooyama, James Mazurowski
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SIGNATURE PAGE FOR

REPORT ON

COOPERVISION FACILITY SITE #V00175-8
711 NORTH ST
SCOTTSVILLE, NY

PREPARED FOR

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AVON, NY

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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 54,000 sq. ft. Soil and groundwater on some portions of the Site have been found to contain 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 was 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 in-situ biodegradation of the Site contaminants of concern (performed 2001).
- Installation and operation of a sub-slab depressurization system (SSDS) in the Site building to mitigate the potential for impacted soil vapor intrusion into the indoor air space (SSDS 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 of certain chlorinated VOCs in monitoring well MW-202. In 2013, additional bioremediation substrate injection wells were installed upgradient of MW-202. An emulsified vegetable oil (EVO) substrate was injected through the new wells into the subsurface to stimulate in-situ biodegradation of the VOC present in this portion of the Site. 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 operation and maintenance of 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.

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 and Remedy Implementation

The CooperVision VCA Site #V00175 is located at 711 North Road in Scottsville, New York (See Figures 1 and 2) ("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 54,000 sq. ft. (note that approximately 4,000 sq. ft. of building space was added over the past year and is reported herein). Soil and groundwater on some portions of the Site contain certain chlorinated volatile organic compounds (VOCs), primarily 1,1,1-trichloroethane (1,1,1-TCA) and its breakdown products.

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

A supplemental soil vapor intrusion (SVI) investigation was conducted Site in 2008 and 2009 on the Site, in the right-of-way, and within the adjacent apartments/townhomes located to the east of the Site. The investigation revealed that soil vapor was present with detectable concentrations of Site-related VOCs 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. Even though the indoor air and sub-slab vapor testing determined that the impacted soil vapor was not impacting the indoor air or sub-slab vapor at the offsite apartment or townhome buildings, 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 Site and within the adjacent eastern right-of-way. The purpose of the trench collars is to mitigate the potential for Site and nearby utility lines to act as potential preferential pathways for the off-site migration of impacted soil vapor.

In October 2013, a Remedial Action Work Plan (RAWP) was developed and implemented, which included the installation 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. The RAWP included the installation of seven (7) injection wells and two (2) bioaugmentation points (BAP). EVO was introduced to the injection wells via gravity infiltration as a bio-stimulation substrate.

Groundwater samples were collected at the BAP locations to determine the groundwater conditions prior to the introduction of a consortium of microorganisms into the BAP wells and the adjacent injection points to further promote in-situ biodegradation 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.

A building expansion to improve employee access and interior space was planned and completed in 2018. That expansion included modification and installation of features (e.g. monitoring wells, the SSDS and a gallery for possible subsurface infiltration if needed in the future) to continue operation of the site under the SMP. These elements of the building expansion are summarized in this PRR.

This report summarizes activities performed during the period 16 May 2018 through 16 May 2019. Historical data shown in this report contains data collected since the SMP was approved.

The Site has been and continues 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 that the ECs 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 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 direct exposure to residual contamination remaining 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 Work Plan included in the SMP. In addition, certain fill materials imported onto the Site must be tested prior to Site use to demonstrate compliance with the requirements of the SMP. The cover system is monitored as required via visual inspection at the time of excavation, and during periodic site visits as part of monitoring and certification.

2.2.1.1 New Employee Entrance Addition

In 2018, CooperVision began construction of a new employee entrance for the facility that included 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 includes the entrance and reception area, a cafeteria area, coat room, and related space. The construction of the new addition included 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 remained in place but was modified to accommodate continued groundwater quality monitoring beneath the new addition. On 28 February 2018, Haley and Aldrich submitted a New Employee Entrance Remediation Construction Work Plan to NYSDEC, and 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. Installation of the infiltration gallery piping below the

new entrance addition was completed per the NYSDEC request in case it is necessary in the future to apply appropriate amendments to further stimulate bioremediation of VOCs in the area beneath the planned addition. Refer to Figure 6 for a Record Drawing of the new addition.

Construction of the addition began in April 2018 and continued through November 2018. Activities included site clearing, removal of surface cover and partial facility demolition, excavation trenching and soil work, and foundation and interior building construction. Haley & Aldrich provided monitoring services from the end of May to the end of June 2018 that included screening with Community Air Monitoring (CAM) stations in upwind and downwind positions during soil excavation and removal of portions of the site cover system and soil sampling for waste characterization, per the SMP Excavation Plan. Soil and debris removed during excavation was screened for VOCs with a handheld Photoionization detector (PID) equipped with a 11.7 eV Bulb. Soil was stockpiled at the southern end of the site and placed on poly sheeting and covered. No elevated PID readings were observed. Composite samples were collected from each stockpile and submitted to a laboratory for waste characterization and disposal purposes. Composite samples were analyzed and characterized as non-hazardous. A total of 402.83 tons of excavated soils were sent to Waste Management's High Acres landfill. A total of 418.93 tons of material was imported onsite as backfill consisting of stone from Hanson Aggregates in Honeoye Falls, New York.

Refer to Appendix B for copies of applicable building permits. Refer to Appendix C for Soil Disposal Analytical and documentation. Refer to Appendix D for NYSDEC correspondence. Import Material Documentation is presented in Appendix E. CAMP data associated with the construction activities is presented in Appendix F.

2.2.1.2 Autoclave Room Construction

In January 2019, CooperVision began construction on a portion of the building as a new autoclave room on the south side of the facility. Construction included excavation of shallow soils for the installation of a water line extension. Hamilton Stern's contractor completed trenching on 14 and 15 January 2019. Haley & Aldrich conducted screening of the soil with a handheld PID. No impacted soils or elevated PID readings were observed. A total of 4.21 tons of soil was removed, placed in a roll-off and sampled for analysis of VOCs and metals constituents. Sample results determined the soil for export was non-hazardous. Excavated soils were sent to ALPCO Recycling, Inc. and used by the facility to create on-site berms. The excavation was filled with stone before the concrete slab was constructed. A total of 2.1 tons was imported from Hanson Aggregates in Honeoye Falls, New York.

2.2.1.3 Monomer and Solutions Laboratory Construction

In April 2019, CooperVision continued construction on the south side of the facility with the construction of the Monomer and Solutions room. Hamilton Stern's contractor conducted trenching from 25 April to 1 May 2019. Haley & Aldrich conducted screening of the soil with a handheld PID. No impacted soils or elevated PID readings were observed. A total of 25.26 tons of soil was removed, placed in roll-offs and sampled for analysis of VOCs and metals constituents. Sample results determined the soil for export was non-hazardous. Excavated soils were sent to Waste Management's High Acres landfill. The excavation was filled with washed stone before the concrete slab was constructed. A total of 19.77 tons of stone was imported from Hanson Aggregates in Honeoye Falls, New York.

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 be able to mitigate the potential for soil vapor intrusion, if it occurs. 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, each with a discrete suction pit (except for the fan above the switch gear room which has two suction pits) to depressurize the sub-slab vapor space in the identified area of groundwater contamination. The fans are located on the roof of the facility. In addition to the suction pits and fans, seventeen (17) permanent sub-slab vacuum measurement points were installed.

Modifications to the SSD occurred beginning in May 2018, in the areas located within the construction zone of the new employee entrance. Two (2) suction pits and four (4) vacuum measurement points were decommissioned and reinstalled close to the previous locations during construction.

Based on sub-slab 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

Monitoring activities conducted during this reporting period consisted of two (2) groundwater sampling events in accordance with the sampling and analysis plan in the SMP and two rounds of sub-slab vacuum measurements of the sub-slab depressurization system (SSDS). As a result of the findings from the April 2018 sampling event, MW-502 was redeveloped prior to the October 2018 sampling event. The results of the groundwater quality monitoring and operations, maintenance, and monitoring of the SSDS are further described below.

3.1 GROUNDWATER MONITORING

Groundwater monitoring was conducted in October 2018 and April 2019. Summary tables (Tables I through III), and groundwater contour figures for each event (Figures 3 and 4) are attached and present updated information from the reporting period over past year's PRR reports. The October 2018 samples were analyzed at ALS Environmental of Rochester, NY. The April 2019 samples were analyzed at Pace Analytical Services, LLC of Mt. Juliet, Tennessee. The laboratory data has been submitted as an EQuIS® electronic data deliverable (EDD) to the NYSDEC and can be found in Appendix G. Groundwater sampling field forms are provided in Appendix H and historical groundwater monitoring data is presented in Appendix I. Overall, the results of the groundwater quality monitoring appear consistent with the findings from previous sampling events.

The biologically mediated reductive dechlorination process of 1,1,1-TCA is shown below:

$$1,1,1\text{-}TCA \rightarrow 1,1\text{-}DCA \rightarrow Chloroethane \rightarrow Ethane \ and \ Chloride$$

The following sections summarize the results of the groundwater monitoring program conducted during the reporting period.

3.1.1 Source Area

Table I provides a summary of the groundwater monitoring results for the source area wells (MW-205 and OWS-302S).

- 1,1,1-TCA, 1,1-DCA and chloroethane were detected at MW-205 and 1,1 DCA, chloroethane and elevated chloride concentrations were detected at OWS-302S during the reporting period. 1,1 DCA was detected at a highest concentration (270 mg/L) at MW-205 while chloroethane was detected at the highest concentration in OWS-302S which is hydraulically downgradient of MW-205. These data indicate that in-situ biodegradation processes remain active in this area of the Site.

- Metabolic acids, butyric, propionic and acetic acid were detected at MW-205 indicating that the Hydrogen Release Compound (HRC) injection continues to provide organic substrate to enhance the reductive dechlorination processes in this area of the Site.

- The detection of ferrous iron (Fe^{2+}) and negative oxidation reduction potential (ORP) readings in the source area wells indicate that the aquifer conditions continue to be anaerobic, which is conducive to promote biodegradation of the VOC present in this area of the Site.

3.1.2 Mid-plume Area

Table II presents the summary of the groundwater quality data for the mid-gradient area monitoring wells; MW-3, MW-501, MW-502.

- Chloroethane was the highest concentration compound detected in all of the mid-plume wells.
- 1,1,1-TCA, 1,1-DCA, 1,1-dichloroethene (1,1-DCE) and vinyl chloride concentrations were detected at much lower concentrations in the mid plume wells than the source area.
- The groundwater conditions in this area of the Site transition from anaerobic (MW-501 and MW-502) to anoxic (MW-3) indicating the in-situ biodegradation processes may be less active in the mid-plume area than the source area.
- The analyses performed on the groundwater samples collected in April 2019 achieved a lower detection limit for 1,1,1 TCA (1.0 ppb) versus previous sampling events (13 ppb). Due to the lower detection limit, 1,1,1-TCA was reported as detected at a concentration of 7.5 ppb at MW-3, which is below the previously achieved detection limits and thus, consistent with historical results for this well location.

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, groundwater conditions at these monitoring well locations are similar to the most previous monitoring events.

- 1,1,1-TCA was not detected in the downgradient wells.
- 1,1-DCA and 1,1-DCE were detected in well MW-202 during the reporting period at similar concentrations observed during previous monitoring events.
- Chloroethane was detected at MW-202 during the October 2018 sampling event indicating that reductive dechlorination of 1,1-DCA is occurring in this area of the Site.
- Total Organic Carbon (TOC) was observed at MW-202 indicating that the carbon substrate introduced to the groundwater upgradient of MW-202 has migrated to the area monitored by wells in this portion of the Site.

3.1.4 Mann-Kendall Trend Analysis

The results of the analyses from the groundwater monitoring events conducted during the reporting period in conjunction with the results from the monitoring events conducted from 2009–2018 were evaluated using the Mann-Kendall statistical test for trend analysis procedure provided in the NYSDEC-approved SMP.

The Mann-Kendall trend analysis does not take into account the magnitude of an increase or decrease. Thus, as the parent compound, 1,1,1-TCA degrades within the source area, the daughter compounds, 1,1-DCA and 1,1-DCE will continue to increase in concentration at the downgradient wells due to

continuing biodegradation activity prior to establishing a decreasing trend as degradation proceeds in the downgradient area of the Site.

In summary, most wells showed a no trend or a decreasing trend for the parent and daughter compounds with incorporation of the results from the fall 2018 and spring 2019 monitoring events with the exception of MW-202 where the Mann-Kendall trend analysis indicated an increasing trend for 1,1-DCA and 1,1-DCE. However, the concentration of these constituents are essentially equivalent to the concentrations detected in the 2017/2018 reporting period.

Chloroethane (CA) and vinyl chloride were also detected at concentrations above the laboratory reporting limits during the October 2018 monitoring event indicating that further degradation of 1,1-DCA and 1,1-DCE is occurring in this area of the site. These data indicate that the carbon substrate introduced upgradient from MW-202 is promoting biodegradation of the VOC present in groundwater in this area of the Site.

The results of the Mann-Kendall trend analysis including charts of the last 10 years of groundwater monitoring data are provided in Appendix J.

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 K.

Building renovations took place in 2018 and 2019 that included updating the former cafeteria area into a positive pressure clean room for facility production purposes. During the semi-annual inspection on 24 April 2019, the fan located at suction pit S-1 in the clean room was observed to be inactive. The facility was notified of the condition and replaced the fan on 26 April 2019. The fan was inspected again on 7 May 2019 and was found to have vacuum conditions consistent with historical data. Floor point T-1 is located nearby S-1 and was found to have low vacuum levels after the fan was replaced. The recorded vacuum of 0.002 inches of water is lower than historically due to the positive pressure of the clean room.

Several other changes to the system occurred due to active construction and renovations at the facility in 2018. Following construction of the new employee entrance in 2018, four(4) vacuum floor monitoring points (T-3 through T-6) and two (2) suction pits (S-2 and S-3) were removed to construct new building interior and then replaced proximal to the original location to comply with the updated building floorplan. See figure 5 for the updated SSD layout. On 9 November 2018, NYSDEC agreed that the pressure field extension criteria had been met in the new employee entrance area. Refer to Appendix D for NYSDEC correspondence.

The SSD system was evaluated in October 2018, and April and May 2019 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. There has been continued construction and renovation activities within the building which has created some effects with the vacuum levels in the sub-slab. For example, the switchgear room sub-slab vacuum levels were noted below the design criteria during the initial installation which was caused by the negative pressure created by the facility's vacuum pumps located in this room (the vacuum pumps have been removed). 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) demonstrate 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 concentrations of Site COC at MW-3 and MW-202 demonstrates that in-situ biodegradation is occurring in the downgradient areas of the Site.

TABLES

TABLE I
SUMMARY OF ANALYTICAL RESULTS
SOURCE AREA WELLS
COOPERVISION
SCOTTSVILLE, NY

Location	Action Level	MW-205		OWS-302	
Sample ID	NYDEC	MW-205-102518-1615	MW205-042319-1540	OWS-302-102618-1320	OWS302-042419-1020
Sample Date	TOGS	10/25/2018	04/23/2019	10/26/2018	04/24/2019
Sample Type	Ambient	Normal	Normal	Normal	Normal
Sample Depth (bgs)	Water	21.2 - 28 (ft)	21.2 - 28 (ft)	13 - 17.8 (ft)	13 - 17.8 (ft)
Field Parameters					
Temperature, Field (Deg C)	--	**18.3**	**19.3**	**17.3**	**12.3**
Dissolved Oxygen, Field (mg/L)	--	**0.15**	**20.44**	**0.25**	**16.03**
Specific Conductance, Field (mS/cm)	--	**8.01**	**7.62**	**12.1**	**10.65**
ORP, Field (mv)	--	**-83.1**	**-60.1**	**-103.6**	**-103**
Turbidity, Field (NTU)	--	**2.18**	**19.8**	**18.7**	**18.4**
pH, Field (pH units)	--	**6.05**	**6.03**	**6.94**	**6.97**
Volatile Organic Compounds (ug/L)					
1,1,1,2-Tetrachloroethane	--	--	ND (1.00)	--	ND (1.00)
1,1,1-Trichloroethane	5	**54,000**	**51,200**	ND (500)	ND (100)
1,1,2,2-Tetrachloroethane	5	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
1,1,2-Trichloroethane	1	ND (10,000)	**18.4**	ND (500)	ND (1.00)
1,1-Dichloroethane	5	**270,000 J**	**247,000**	ND (500)	**209**
1,1-Dichloroethene	5	ND (10,000)	**2,680**	ND (500)	ND (100)
1,1-Dichloropropene	--	--	ND (1.00)	--	ND (1.00)
1,2,3-Trichlorobenzene	--	--	ND (1.00)	--	ND (1.00)
1,2,3-Trichloropropane	--	--	ND (2.50)	--	ND (2.50)
1,2,3-Trimethylbenzene	--	--	ND (1.00)	--	ND (1.00)
1,2,4-Trichlorobenzene	5	--	ND (1.00)	--	ND (1.00)
1,2,4-Trimethylbenzene	--	--	ND (1.00)	--	ND (1.00)
1,2-Dibromo-3-chloropropane (DBCP)	0.04	--	ND (5.00)	--	ND (5.00)
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	--	ND (1.00)	--	ND (1.00)
1,2-Dichlorobenzene	3	--	ND (1.00)	--	ND (1.00)
1,2-Dichloroethane	0.6	ND (10,000)	**58.7**	ND (500)	**7.99**
1,2-Dichloropropane	1	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
1,3,5-Trimethylbenzene	--	--	ND (1.00)	--	ND (1.00)
1,3-Dichlorobenzene	3	--	ND (1.00)	--	ND (1.00)
1,3-Dichloropropane	--	--	ND (1.00)	--	ND (1.00)
1,4-Dichlorobenzene	3	--	ND (1.00)	--	ND (1.00)
2,2-Dichloropropane	--	--	ND (1.00)	--	ND (1.00)
2-Butanone (Methyl Ethyl Ketone)	50	**24,000**	ND (10.0)	ND (1,000)	ND (10.0)
2-Chlorotoluene	--	--	ND (1.00)	--	ND (1.00)
2-Hexanone	50	ND (20,000)	--	ND (1,000)	--
2-Phenylbutane (sec-Butylbenzene)	--	--	ND (1.00)	--	ND (1.00)
4-Chlorotoluene	--	--	ND (1.00)	--	ND (1.00)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	ND (20,000)	ND (10.0)	ND (1,000)	ND (10.0)
Acetone	50	**45,000**	ND (25,000)	ND (1,000)	ND (50.0)
Acrolein	--	--	ND (50.0)	--	ND (50.0)
Acrylonitrile	--	--	ND (10.0)	--	ND (10.0)
Benzene	1	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
Bromobenzene	--	--	ND (1.00)	--	ND (1.00)
Bromodichloromethane	50	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
Bromoform	50	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
Bromomethane (Methyl Bromide)	5	ND (10,000)	ND (5.00)	ND (500)	ND (5.00)
Carbon disulfide	60	ND (20,000)	--	ND (1,000)	--
Carbon tetrachloride	5	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
Chlorobenzene	5	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
Chloroethane	5	ND (10,000)	**2,830**	**14,000**	**7,740**
Chloroform (Trichloromethane)	7	ND (10,000)	ND (5.00)	ND (500)	ND (5.00)
Chloromethane (Methyl Chloride)	5	ND (10,000)	ND (2.50)	ND (500)	ND (2.50)
cis-1,2-Dichloroethene	5	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
cis-1,3-Dichloropropene	0.4	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
Cymene (p-Isopropyltoluene)	--	--	ND (1.00)	--	ND (1.00)
Dibromochloromethane	50	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
Dibromomethane	--	--	ND (1.00)	--	ND (1.00)
Dichlorodifluoromethane (CFC-12)	5	--	ND (5.00)	--	ND (5.00)
Diisopropyl ether (DIPE)	--	--	ND (1.00)	--	ND (1.00)
Ethylbenzene	5	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
Hexachlorobutadiene	0.5	--	ND (1.00)	--	ND (1.00)
Isopropylbenzene (Cumene)	5	--	ND (1.00)	--	ND (1.00)
m,p-Xylenes	5	ND (10,000)	--	ND (500)	--
Methyl Tert Butyl Ether	10	--	ND (1.00)	--	ND (1.00)
Methylene chloride	5	ND (10,000)	**32.3**	ND (500)	ND (5.00)
Naphthalene	10	--	ND (5.00)	--	ND (5.00)

TABLE I
SUMMARY OF ANALYTICAL RESULTS
SOURCE AREA WELLS
COOPERVISION
SCOTTSVILLE, NY

Location	Action Level	MW-205		OWS-302	
Sample ID	NYDEC	MW-205-102518-1615	MW205-042319-1540	OWS-302-102618-1320	OWS302-042419-1020
Sample Date	TOGS	10/25/2018	04/23/2019	10/26/2018	04/24/2019
Sample Type	Ambient	Normal	Normal	Normal	Normal
Sample Depth (bgs)	Water	21.2 - 28 (ft)	21.2 - 28 (ft)	13 - 17.8 (ft)	13 - 17.8 (ft)
n-Butylbenzene	--	--	ND (1.00)	--	ND (1.00)
n-Propylbenzene	--	--	ND (1.00)	--	ND (1.00)
o-Xylene	5	ND (10,000)	--	ND (500)	--
Styrene	5	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
tert-Butylbenzene	--	--	ND (1.00)	--	ND (1.00)
Tetrachloroethene	5	ND (10,000)	**39.9**	ND (500)	ND (1.00)
Toluene	5	ND (10,000)	**17.2**	ND (500)	ND (1.00)
trans-1,2-Dichloroethene	5	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
trans-1,3-Dichloropropene	0.4	ND (10,000)	ND (1.00)	ND (500)	ND (1.00)
Trichloroethene	5	ND (10,000)	**3.74**	ND (500)	**1.03**
Trichlorofluoromethane (CFC-11)	5	--	ND (5.00)	--	ND (5.00)
Trifluorotrichloroethane (Freon 113)	5	--	ND (1.00)	--	ND (1.00)
Vinyl chloride	2	ND (10,000)	**115**	ND (500)	**24.6**
Xylene (total)	5	--	ND (3.00)	--	ND (3.00)
Acids (mg/L)					
Acetic acid	--	**1,500**	**1,500**	--	--
Butanoic acid	--	**3,200**	**2,900**	--	--
Formic Acid	--	--	ND (86)	--	--
Hexanoic Acid	--	--	**660**	--	--
i-Hexanoic Acid	--	--	**4.0 J**	--	--
Isovaleric Acid	--	--	ND (0.60)	--	--
Lactic Acid	--	ND (20)	ND (4.3)	--	--
Pentanoic acid	--	--	**320**	--	--
Propionic acid	--	**970**	**1,000**	--	--
Pyruvic Acid	--	ND (10)	**930**	--	--
Inorganic Compounds (ug/L)					
Iron, Dissolved	300	**101,000**	**37,500**	--	--
Iron, Total	300	**101,000**	**103,000**	--	--
Other (mg/L)					
Alkalinity, Total (as CaCO3)	--	**3,080**	**3,950 J-**	--	--
Chloride	250	**668**	**620**	--	--
Nitrate (as N)	--	ND (1.0)	**24.2 J+**	--	--
Nitrite (as N)	--	ND (1.0)	**14.8 J+**	--	--
Sulfate	250	ND (2.0)	ND (5.00)	--	--
Sulfide	--	1.0 R	ND (0.0500)	--	--
Total Organic Carbon (TOC)	--	--	--	--	--
Dissolved Gases (ug/L)					
Butane	--	--	**0.37 J-**	--	--
Ethane	--	ND (100)	**27 J-**	--	--
Ethene	--	ND (100)	**23 J-**	--	--
Isobutane	--	--	**0.25 J-**	--	--
Methane	--	**7,000**	**9,200 J-**	--	--
Propane	--	ND (100)	**0.81 J-**	--	--

Notes:
1. Results shaded orange exceed the following criteria:
   NYSDEC TOGS Ambient Water Class GA
2. Results in **bold** were detected.
3. ND = Not detected at a concentration above the reporting limit.
   J - Estimated result
   J+ is estimated biased high.
   J- is estimated biased low.
   R - Data rejected by validator
   -- Not Analyzed
4. October 2018 samples analyzed at ALS Environmental of Rochester, NY
   April 2019 samples were analyzed at Pace Analytical Services of Mt. Juliet, TN.

TABLE II
SUMMARY OF ANALYTICAL RESULTS COOPERVISION
MID-GRADIENT WELLS
SCOTTSVILLE, NY

Location	Action Level	MW-3		MW-501		MW-502	
Sample ID	NYDEC	MW-3-102518-1000	MW3-042319-1055	MW-501-102618-1235	MW501-042419-1150	MW-502-102618-1115	MW502-042419-1325
Sample Date	TOGS	10/25/2018	04/23/2019	10/26/2018	04/24/2019	10/26/2018	04/24/2019
Sample Type	Ambient	Normal	Normal	Normal	Normal	Normal	Normal
Sample Depth (bgs)	Water	3 - 10 (ft)	3 - 10 (ft)	20 - 25 (ft)	20 - 25 (ft)	30 - 35 (ft)	30 - 35 (ft)
Field Parameters							
Temperature, Field (Deg C)	--	**14.8**	**15.2**	**17.8**	**12.8**	**14.8**	**14**
Dissolved Oxygen, Field (mg/L)	--	**5.3**	**3.76**	**0.22**	**79.75**	**0.07**	**342.9**
Specific Conductance, Field (mS/cm)	--	**2.24**	**1.72**	**12.06**	**22.22**	**2.77**	**2.83**
ORP, Field (mv)	--	**-22.4**	**20.7**	**-79.1**	**-68.3**	**-130**	**-103**
Turbidity, Field (NTU)	--	**93.6**	**32.3**	**73.5**	**84.6**	**0.12**	**16.9**
pH, Field (pH units)	--	**7.23**	**7.45**	**7.38**	**7.25**	**7.11**	**7.0**
Volatile Organic Compounds (ug/L)							
1,1,1,2-Tetrachloroethane	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,1,1-Trichloroethane	5	ND (13)	**7.52**	ND (13)	ND (10.0)	ND (5.0)	ND (20.0)
1,1,2,2-Tetrachloroethane	5	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
1,1,2-Trichloroethane	1	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
1,1-Dichloroethane	5	**83**	**80**	**74**	**68.6**	**120**	**95.5**
1,1-Dichloroethene	5	ND (13)	**1.07**	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
1,1-Dichloropropene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2,3-Trichlorobenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2,3-Trichloropropane	--	--	ND (2.50)	--	ND (2.50)	--	ND (2.50)
1,2,3-Trimethylbenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2,4-Trichlorobenzene	5	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2,4-Trimethylbenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2-Dibromo-3-chloropropane (DBCP)	0.04	--	ND (5.00)	--	ND (5.00)	--	ND (5.00)
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2-Dichlorobenzene	3	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2-Dichloroethane	0.6	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
1,2-Dichloropropane	1	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
1,3,5-Trimethylbenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,3-Dichlorobenzene	3	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,3-Dichloropropane	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,4-Dichlorobenzene	3	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
2,2-Dichloropropane	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
2-Butanone (Methyl Ethyl Ketone)	50	ND (25)	ND (10.0)	ND (25)	ND (10.0)	ND (10)	ND (10.0)
2-Chlorotoluene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
2-Hexanone	50	ND (25)	--	ND (25)	--	ND (10)	--
2-Phenylbutane (sec-Butylbenzene)	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
4-Chlorotoluene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	ND (25)	ND (10.0)	ND (25)	ND (10.0)	ND (10)	ND (10.0)
Acetone	50	ND (25)	ND (50.0)	ND (25)	ND (50.0)	ND (10)	ND (50.0)
Acrolein	--	--	ND (50.0)	--	ND (50.0)	--	ND (50.0)
Acrylonitrile	--	--	ND (10.0)	--	ND (10.0)	--	ND (10.0)
Benzene	1	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
Bromobenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Bromodichloromethane	50	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
Bromoform	50	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
Bromomethane (Methyl Bromide)	5	ND (13)	ND (5.00)	ND (13)	ND (5.00)	ND (5.0)	ND (5.00)
Carbon disulfide	60	ND (25)	--	ND (25)	--	**11**	--
Carbon tetrachloride	5	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
Chlorobenzene	5	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
Chloroethane	5	**460**	**222**	**300**	**262**	**1,400**	**854**
Chloroform (Trichloromethane)	7	ND (13)	ND (5.00)	ND (13)	ND (5.00)	ND (5.0)	ND (5.00)
Chloromethane (Methyl Chloride)	5	ND (13)	ND (2.50)	ND (13)	ND (2.50)	ND (5.0)	ND (2.50)
cis-1,2-Dichloroethene	5	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
cis-1,3-Dichloropropene	0.4	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
Cymene (p-Isopropyltoluene)	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Dibromochloromethane	50	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
Dibromomethane	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Dichlorodifluoromethane (CFC-12)	5	--	ND (5.00)	--	ND (5.00)	--	ND (5.00)
Diisopropyl ether (DIPE)	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Ethylbenzene	5	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
Hexachlorobutadiene	0.5	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Isopropylbenzene (Cumene)	5	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
m,p-Xylenes	5	ND (13)	--	ND (13)	--	ND (5.0)	--
Methyl Tert Butyl Ether	10	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Methylene chloride	5	ND (13)	ND (5.00)	ND (13)	ND (5.00)	ND (5.0)	ND (5.00)
Naphthalene	10	--	ND (5.00)	--	ND (5.00)	--	ND (5.00)
n-Butylbenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
n-Propylbenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
o-Xylene	5	ND (13)	--	ND (13)	--	ND (5.0)	--
Styrene	5	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
tert-Butylbenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Tetrachloroethene	5	ND (13)	ND (1.00)	ND (13)	**1.08**	ND (5.0)	ND (1.00)
Toluene	5	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
trans-1,2-Dichloroethene	5	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
trans-1,3-Dichloropropene	0.4	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
Trichloroethene	5	ND (13)	ND (1.00)	ND (13)	ND (1.00)	ND (5.0)	ND (1.00)
Trichlorofluoromethane (CFC-11)	5	--	ND (5.00)	--	ND (5.00)	--	ND (5.00)
Trifluorotrichloroethane (Freon 113)	5	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Vinyl chloride	2	**23**	**21.6**	**52**	**34.5**	**180**	**118**
Xylene (total)	5	--	ND (3.00)	--	ND (3.00)	--	ND (3.00)

TABLE II
SUMMARY OF ANALYTICAL RESULTS COOPERVISION
MID-GRADIENT WELLS
SCOTTSVILLE, NY

Location	Action Level	MW-3		MW-501		MW-502	
Sample ID	NYDEC	MW-3-102518-1000	MW3-042319-1055	MW-501-102618-1235	MW501-042419-1150	MW-502-102618-1115	MW502-042419-1325
Sample Date	TOGS	10/25/2018	04/23/2019	10/26/2018	04/24/2019	10/26/2018	04/24/2019
Sample Type	Ambient	Normal	Normal	Normal	Normal	Normal	Normal
Sample Depth (bgs)	Water	3 - 10 (ft)	3 - 10 (ft)	20 - 25 (ft)	20 - 25 (ft)	30 - 35 (ft)	30 - 35 (ft)
Acids (mg/L)							
Acetic acid	--	--	--	--	--	--	--
Butanoic acid	--	--	--	--	--	--	--
Formic Acid	--	--	--	--	--	--	--
Hexanoic Acid	--	--	--	--	--	--	--
i-Hexanoic Acid	--	--	--	--	--	--	--
Isovaleric Acid	--	--	--	--	--	--	--
Lactic Acid	--	--	--	--	--	--	--
Pentanoic acid	--	--	--	--	--	--	--
Propionic acid	--	--	--	--	--	--	--
Pyruvic Acid	--	--	--	--	--	--	--
Inorganic Compounds (ug/L)							
Iron, Dissolved	300	ND (100)	ND (100)	--	--	--	--
Iron, Total	300	**12,800**	**3,490**	--	--	--	--
Other (mg/L)							
Alkalinity, Total (as CaCO3)	--	**203**	**226 J-**	--	--	--	--
Chloride	250	**341**	**387**	--	--	--	--
Nitrate (as N)	--	ND (1.0)	0.100 R	--	--	--	--
Nitrite (as N)	--	ND (1.0)	0.100 R	--	--	--	--
Sulfate	250	**24**	**30.9**	--	--	--	--
Sulfide	--	ND (1.0)	ND (0.0500)	--	--	--	--
Total Organic Carbon (TOC)	--	--	--	--	--	--	--
Dissolved Gases (ug/L)							
Butane	--	--	ND (0.018)	--	--	--	--
Ethane	--	ND (26)	**0.30**	--	--	--	--
Ethene	--	**27**	**39**	--	--	--	--
Isobutane	--	--	ND (0.025)	--	--	--	--
Methane	--	**1,500**	**2,000**	--	--	--	--
Propane	--	ND (26)	**0.025 J**	--	--	--	--

Notes:
1. Results shaded orange exceed the following criteria:
   NYSDEC TOGS Ambient Water Class GA
2. Results in **bold** were detected.
3. ND = Not detected at a concentration above the reporting limit.
   J - Estimated result
   J+ is estimated biased high.
   J- is estimated biased low.
   R - Data rejected by validator
   -- Not Analyzed
4. October 2018 samples analyzed at ALS Environmental of Rochester, NY
   April 2019 samples were analyzed at Pace Analytical Services of Mt. Juliet, TN.

TABLE III
SUMMARY OF ANALYTICAL RESULTS COOPERVISION
DOWN-GRADIENT WELLS
SCOTTSVILLE, NY

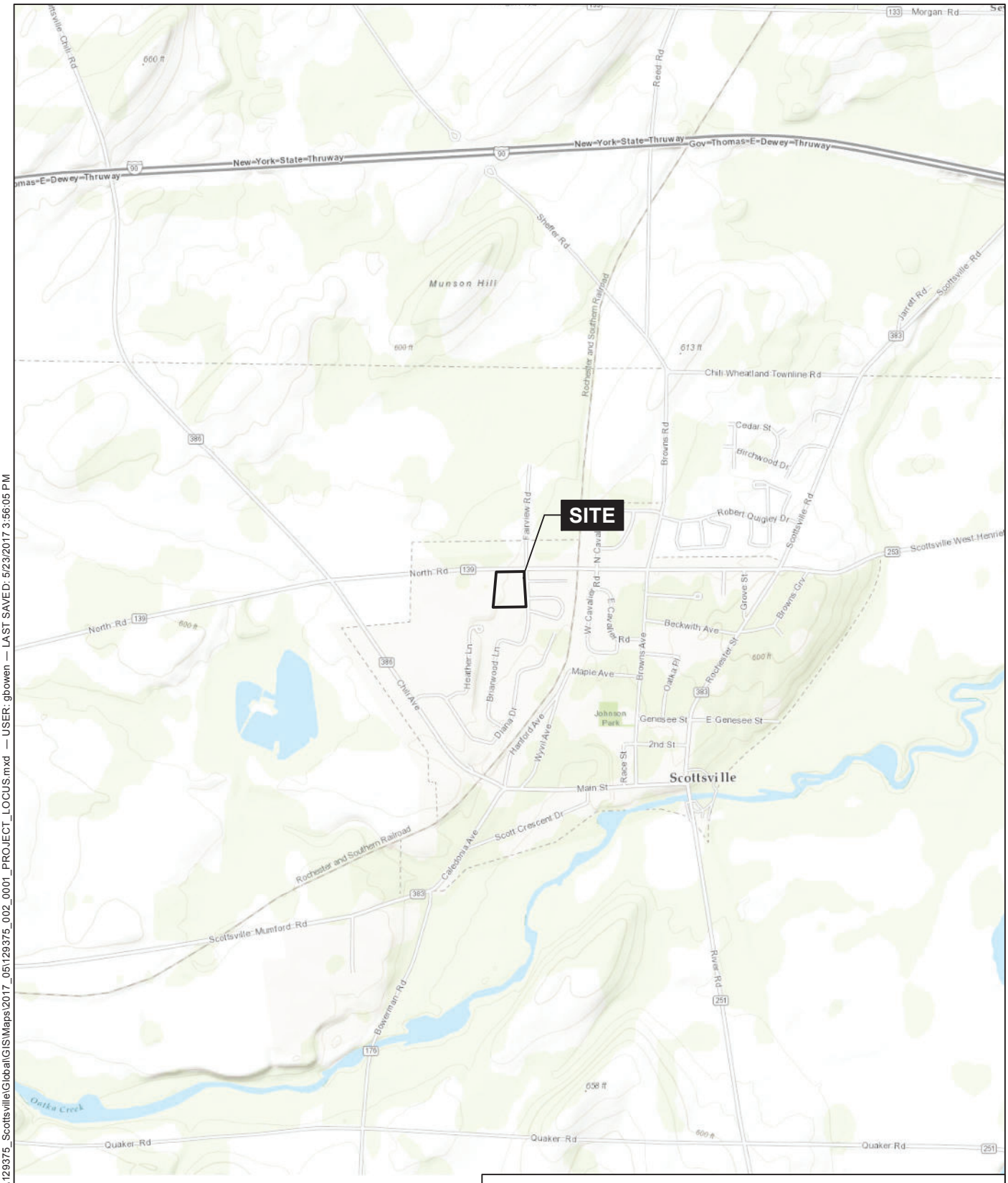
Location	Action Level	MW-202		MW-203		MW-204		OW-306	
Sample ID	NYDEC	MW-202-102518-1110	MW202-042319-1125	MW-203-102518-1440	MW203-042319-1440	MW-204-102518-1230	MW204-042319-1215	OW-306-102518-1350	OW306-042319-1350
Sample Date	TOGS	10/25/2018	04/23/2019	10/25/2018	04/23/2019	10/25/2018	04/23/2019	10/25/2018	04/23/2019
Sample Type	Ambient	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
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)
Field Parameters									
Temperature, Field (Deg C)	--	**16.3**	**13.4**	**16.9**	**14.4**	**17.4**	**13.4**	**17.5**	**13.9**
Dissolved Oxygen, Field (mg/L)	--	**1.21**	**2.79**	**2.5**	**9.77**	**0.49**	**1.39**	**2.91**	**20.14**
Specific Conductance, Field (mS/cm)	--	**5.62**	**13.34**	**0.87**	**1.09**	**3.1**	**2.8**	**5.24**	**20.37**
ORP, Field (mv)	--	**9.4**	**87.3**	**55.9**	**92.5**	**-43.9**	**89.7**	**109.3**	**152**
Turbidity, Field (NTU)	--	**1.24**	**6.45**	**7.51**	**5.85**	**15.3**	**6.65**	**1842**	**27.47**
pH, Field (pH units)	--	**7.55**	**7.41**	**7.22**	**7.64**	**7.29**	**7.27**	**7.0**	**6.88**
Volatile Organic Compounds (ug/L)									
1,1,1,2-Tetrachloroethane	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,1,1-Trichloroethane	5	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
1,1,2,2-Tetrachloroethane	5	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
1,1,2-Trichloroethane	1	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
1,1-Dichloroethane	5	**120**	**66.9**	ND (5.0)	ND (1.00)	ND (5.0)	**2.64**	ND (5.0)	ND (1.00)
1,1-Dichloroethene	5	**120**	**67.9**	ND (5.0)	ND (1.00)	ND (5.0)	**1.88**	ND (5.0)	ND (1.00)
1,1-Dichloropropene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2,3-Trichlorobenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2,3-Trichloropropane	--	--	ND (2.50)	--	ND (2.50)	--	ND (2.50)	--	ND (2.50)
1,2,3-Trimethylbenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2,4-Trichlorobenzene	5	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2,4-Trimethylbenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2-Dibromo-3-chloropropane (DBCP)	0.04	--	ND (5.00)	--	ND (5.00)	--	ND (5.00)	--	ND (5.00)
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2-Dichlorobenzene	3	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,2-Dichloroethane	0.6	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
1,2-Dichloropropane	1	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
1,3,5-Trimethylbenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,3-Dichlorobenzene	3	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,3-Dichloropropane	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
1,4-Dichlorobenzene	3	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
2,2-Dichloropropane	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
2-Butanone (Methyl Ethyl Ketone)	50	ND (10)	ND (10.0)	ND (10)	ND (10.0)	ND (10)	ND (10.0)	ND (10)	ND (10.0)
2-Chlorotoluene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
2-Hexanone	50	ND (10)	--	ND (10)	--	ND (10)	--	ND (10)	--
2-Phenylbutane (sec-Butylbenzene)	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
4-Chlorotoluene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	ND (10)	ND (10.0)	ND (10)	ND (10.0)	ND (10)	ND (10.0)	ND (10)	ND (10.0)
Acetone	50	ND (10)	ND (50.0)	ND (10)	ND (50.0)	ND (10)	ND (50.0)	ND (10)	ND (50.0)
Acrolein	--	--	ND (50.0)	--	ND (50.0)	--	ND (50.0)	--	ND (50.0)
Acrylonitrile	--	--	ND (10.0)	--	ND (10.0)	--	ND (10.0)	--	ND (10.0)
Benzene	1	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
Bromobenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Bromodichloromethane	50	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
Bromoform	50	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
Bromomethane (Methyl Bromide)	5	ND (5.0)	ND (5.00)	ND (5.0)	ND (5.00)	ND (5.0)	ND (5.00)	ND (5.0)	ND (5.00)
Carbon disulfide	60	ND (10)	--	ND (10)	--	ND (10)	--	ND (10)	--
Carbon tetrachloride	5	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
Chlorobenzene	5	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
Chloroethane	5	**9.9**	ND (5.00)	ND (5.0)	ND (5.00)	ND (5.0)	ND (5.00)	ND (5.0)	ND (5.00)
Chloroform (Trichloromethane)	7	ND (5.0)	ND (5.00)	ND (5.0)	ND (5.00)	ND (5.0)	ND (5.00)	ND (5.0)	ND (5.00)
Chloromethane (Methyl Chloride)	5	ND (5.0)	ND (2.50)	ND (5.0)	ND (2.50)	ND (5.0)	ND (2.50)	ND (5.0)	ND (2.50)
cis-1,2-Dichloroethene	5	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
cis-1,3-Dichloropropene	0.4	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
Cymene (p-Isopropyltoluene)	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Dibromochloromethane	50	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
Dibromomethane	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Dichlorodifluoromethane (CFC-12)	5	--	ND (5.00)	--	ND (5.00)	--	ND (5.00)	--	ND (5.00)
Diisopropyl ether (DIPE)	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Ethylbenzene	5	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
Hexachlorobutadiene	0.5	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Isopropylbenzene (Cumene)	5	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
m,p-Xylenes	5	ND (5.0)	--	ND (5.0)	--	ND (5.0)	--	ND (5.0)	--
Methyl Tert Butyl Ether	10	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Methylene chloride	5	ND (5.0)	ND (5.00)	ND (5.0)	ND (5.00)	ND (5.0)	ND (5.00)	ND (5.0)	ND (5.00)
Naphthalene	10	--	ND (5.00)	--	ND (5.00)	--	ND (5.00)	--	ND (5.00)
n-Butylbenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)

TABLE III
SUMMARY OF ANALYTICAL RESULTS COOPERVISION
DOWN-GRADIENT WELLS
SCOTTSVILLE, NY

Location	Action Level	MW-202		MW-203		MW-204		OW-306	
Sample ID	NYDEC	MW-202-102518-1110	MW202-042319-1125	MW-203-102518-1440	MW203-042319-1440	MW-204-102518-1230	MW204-042319-1215	OW-306-102518-1350	OW306-042319-1350
Sample Date	TOGS	10/25/2018	04/23/2019	10/25/2018	04/23/2019	10/25/2018	04/23/2019	10/25/2018	04/23/2019
Sample Type	Ambient	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
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)
n-Propylbenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
o-Xylene	5	ND (5.0)	--	ND (5.0)	--	ND (5.0)	--	ND (5.0)	--
Styrene	5	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
tert-Butylbenzene	--	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Tetrachloroethene	5	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
Toluene	5	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
trans-1,2-Dichloroethene	5	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
trans-1,3-Dichloropropene	0.4	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
Trichloroethene	5	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
Trichlorofluoromethane (CFC-11)	5	--	ND (5.00)	--	ND (5.00)	--	ND (5.00)	--	ND (5.00)
Trifluorotrichloroethane (Freon 113)	5	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)	--	ND (1.00)
Vinyl chloride	2	**8.3**	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)	ND (5.0)	ND (1.00)
Xylene (total)	5	--	ND (3.00)	--	ND (3.00)	--	ND (3.00)	--	ND (3.00)
Acids (mg/L)									
Acetic acid	--	ND (1.0)	ND (2.8)	--	--	--	--	--	--
Butanoic acid	--	ND (2.0)	ND (1.1)	--	--	--	--	--	--
Formic Acid	--	--	**12 J**	--	--	--	--	--	--
Hexanoic Acid	--	--	ND (1.0)	--	--	--	--	--	--
i-Hexanoic Acid	--	--	ND (2.9)	--	--	--	--	--	--
Isovaleric Acid	--	--	ND (0.60)	--	--	--	--	--	--
Lactic Acid	--	ND (1.0)	ND (4.3)	--	--	--	--	--	--
Pentanoic acid	--	--	ND (0.70)	--	--	--	--	--	--
Propionic acid	--	ND (1.0)	ND (10)	--	--	--	--	--	--
Pyruvic Acid	--	ND (0.50)	ND (0.50)	--	--	--	--	--	--
Inorganic Compounds (ug/L)									
Iron, Dissolved	300	ND (100)	ND (100)	--	--	--	--	--	--
Iron, Total	300	**210**	**113**	--	--	--	--	--	--
Other (mg/L)									
Alkalinity, Total (as CaCO3)	--	**131**	**157 J-**	--	--	--	--	--	--
Chloride	250	**1,260**	**4,550**	--	--	--	--	--	--
Nitrate (as N)	--	ND (1.0)	**1.27 J+**	--	--	--	--	--	--
Nitrite (as N)	--	ND (1.0)	0.100 R	--	--	--	--	--	--
Sulfate	250	**386**	**377**	--	--	--	--	--	--
Sulfide	--	ND (1.0)	ND (0.0500)	--	--	--	--	--	--
Total Organic Carbon (TOC)	--	**1.1**	**2.15 J**	--	--	--	--	--	--
Dissolved Gases (ug/L)									
Butane	--	--	ND (0.018)	--	--	--	--	--	--
Ethane	--	ND (1.0)	**0.022 J**	--	--	--	--	--	--
Ethene	--	**1.7**	**0.012 J**	--	--	--	--	--	--
Isobutane	--	--	**0.047 J**	--	--	--	--	--	--
Methane	--	**24**	**0.16 J**	--	--	--	--	--	--
Propane	--	ND (1.0)	**0.042 J**	--	--	--	--	--	--

Notes:
1. Results shaded orange exceed the following criteria:
   NYSDEC TOGS Ambient Water Class GA
2. Results in **bold** were detected.
3. ND = Not detected at a concentration above the reporting limit.
   J = Estimated result
      J+ estimated value with high bias
      J- estimated value with low bias
   R - Data rejected by validator
   -- Not Analyzed
4. October 2018 samples analyzed at ALS Environmental of Rochester, NY
   April 2019 samples were analyzed at Pace Analytical Services of Mt. Juliet, TN.

FIGURES







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

HALEY ALDRICH

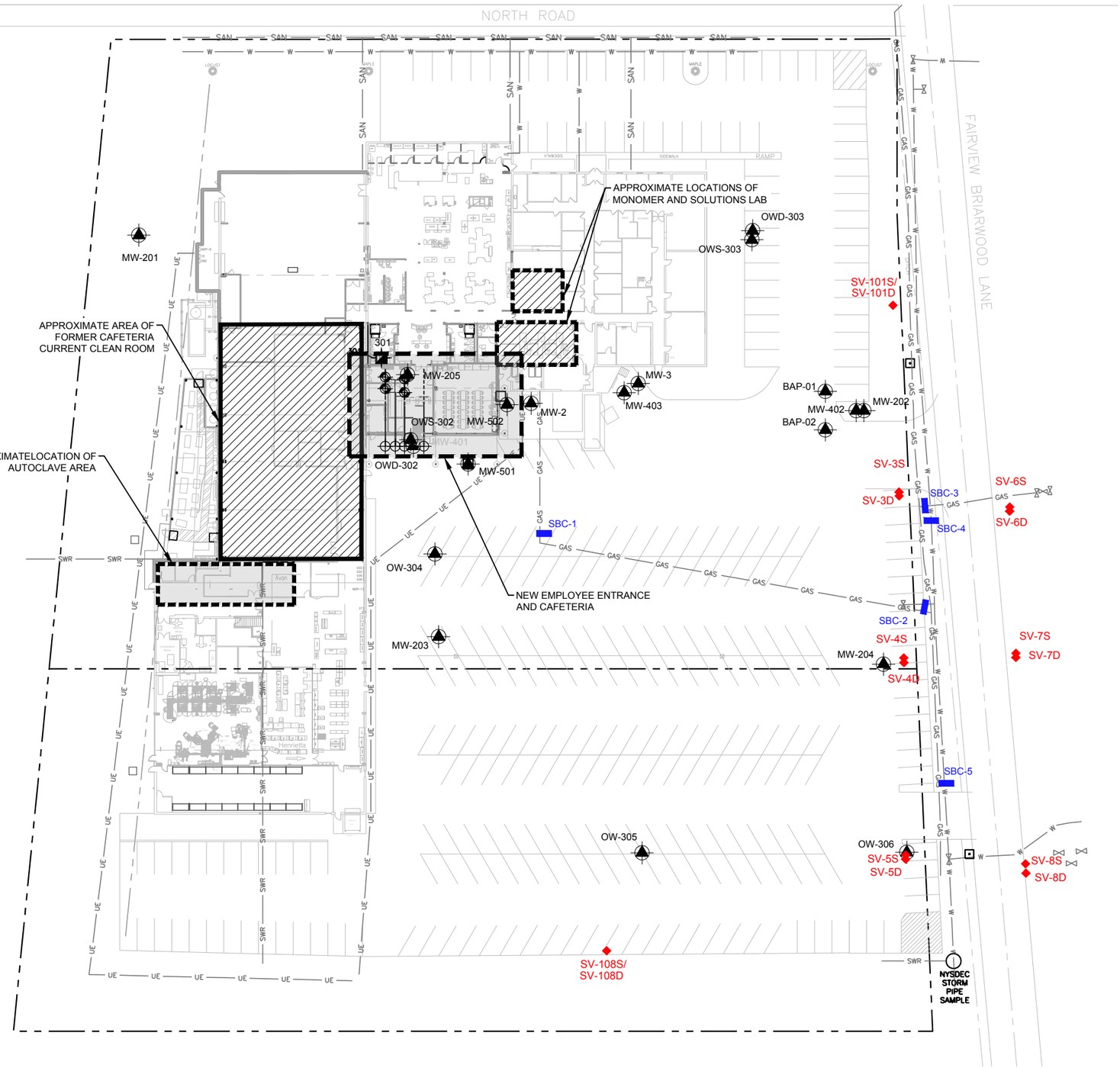
COOPERVISION, INC.
711 NORTH ROAD
SCOTTSVILLE, NEW YORK

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT
MAY 2019

FIGURE 1

GIS FILE PATH: G:\Projects\CooperVision\129375_Scottsville\Global\GIS\Maps\2017_05\129375_002_0001_PROJECT_LOCUS.mxd — USER: gbowen — LAST SAVED: 5/23/2017 3:56:05 PM



LEGEND

- EXISTING MONITORING WELL LOCATIONS
- SV-6D — EXISTING SOIL VAPOR POINT LOCATIONS
- SBC-4 — EXISTING SOIL-BENTONITE-CEMENT COLLAR LOCATIONS
- MW-401 — EXISTING DECOMMISSIONED WELL LOCATION
- EXISTING INJECTION POINTS INSTALLED NOVEMBER 2018
- EXISTING BORE HOLE LOCATIONS
- PROPERTY LINE
- OVERHEAD ELECTRIC LINES
- UE — UNDERGROUND ELECTRIC LINES
- W — WATER PIPE LINE
- SAN — SANITARY SEWER PIPE LINE
- SWR — STORM SEWER PIPE LINE
- GAS — NATURAL GAS PIPE LINE
- SOLID ADS 3000 HDPE PIPING
- PERFORATED ADS 3000 HDPE PIPING

GENERAL NOTES

1. PLAN BASED ON "ALTA/ASCM LAND TITLE SURVEY MAY"PREPARED BY RONALD W. STAUB LAND SURVEYORS, ROCHESTER, NEW YORK, DATED 12/17/96.
2. FACILITY INTERIOR USES ACCURATE AS TO DATE OF SURVEY, BUT MAY CHANGE OVER TIME.
3. SEE REPORT TEXT FOR FURTHER INFORMATION.
4. EXPLORATION LOCATIONS ARE APPROXIMATE.

N

0 60 120
SCALE IN FEET

HALEY ALDRICH

COOPERVISION FACILITY
711 NORTH ROAD
SCOTTSVILLE, NEW YORK

SITE PLAN

SCALE: AS SHOWN
JUNE 2019

FIGURE 2

Saved by: KVARI Printed: 6/7/2019 12:33 PM Layout: SITE PLAN
\\HALEYALDRICH.COM\SHARE\ROC_COMMON\129375_COOPERVISION\CAD\FIGURES\129375_005_FIG 2_SITE PLAN.DWG



LEGEND

- WELLS INCLUDED IN CONTOURS
- MONITORING WELL NOT INCLUDED IN CONTOURS DUE TO SCREEN DEPTH, INCOMPLETE WELL INFORMATION, POOR WELL RECHARGE, OR PROXIMITY TO INJECTION WELLS.
- GROUNDWATER ELEVATION CONTOUR, 2-FT INTERVAL

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 26 OCTOBER 2018. ELEVATIONS SHOWN ONLY FOR THOSE WELLS APPLICABLE TO THE ISOPOTENTIAL CONTOURS DEVELOPED.

3. EXPLORATION LOCATIONS ARE APPROXIMATE.

4. AERIAL IMAGERY SOURCE: ESRI

N

0 50 100
SCALE IN FEET

HALEY ALDRICH

COOPERVISION FACILITY INVESTIGATION
711 NORTH ROAD
SCOTTSVILLE, NEW YORK

GROUNDWATER CONTOUR PLAN OCTOBER 2018

JUNE 2019

FIGURE 3

GIS FILE PATH: \\haleyaldrich.com\share\phx_common\Projects\CooperVision\1293375_Scottsville\Global\GIS\Maps\2019_06\1293375_003_0004_OCTOBER_2018_GW_CONTOURS.mxd — USER: twachholz — LAST SAVED: 6/7/2019 11:51:00 AM



LEGEND

- WELLS INCLUDED IN CONTOURS
- MONITORING WELL NOT INCLUDED IN CONTOURS DUE TO SCREEN DEPTH, INCOMPLETE WELL INFORMATION, POOR WELL RECHARGE, OR PROXIMITY TO INJECTION WELLS.
- GROUNDWATER ELEVATION CONTOUR, 2-FT INTERVAL

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 24 APRIL 2019. ELEVATIONS SHOWN ONLY FOR THOSE WELLS APPLICABLE TO THE ISOPOTENTIAL CONTOURS DEVELOPED.

3. EXPLORATION LOCATIONS ARE APPROXIMATE.

4. AERIAL IMAGERY SOURCE: ESRI

N

0 50 100
SCALE IN FEET

HALEY ALDRICH

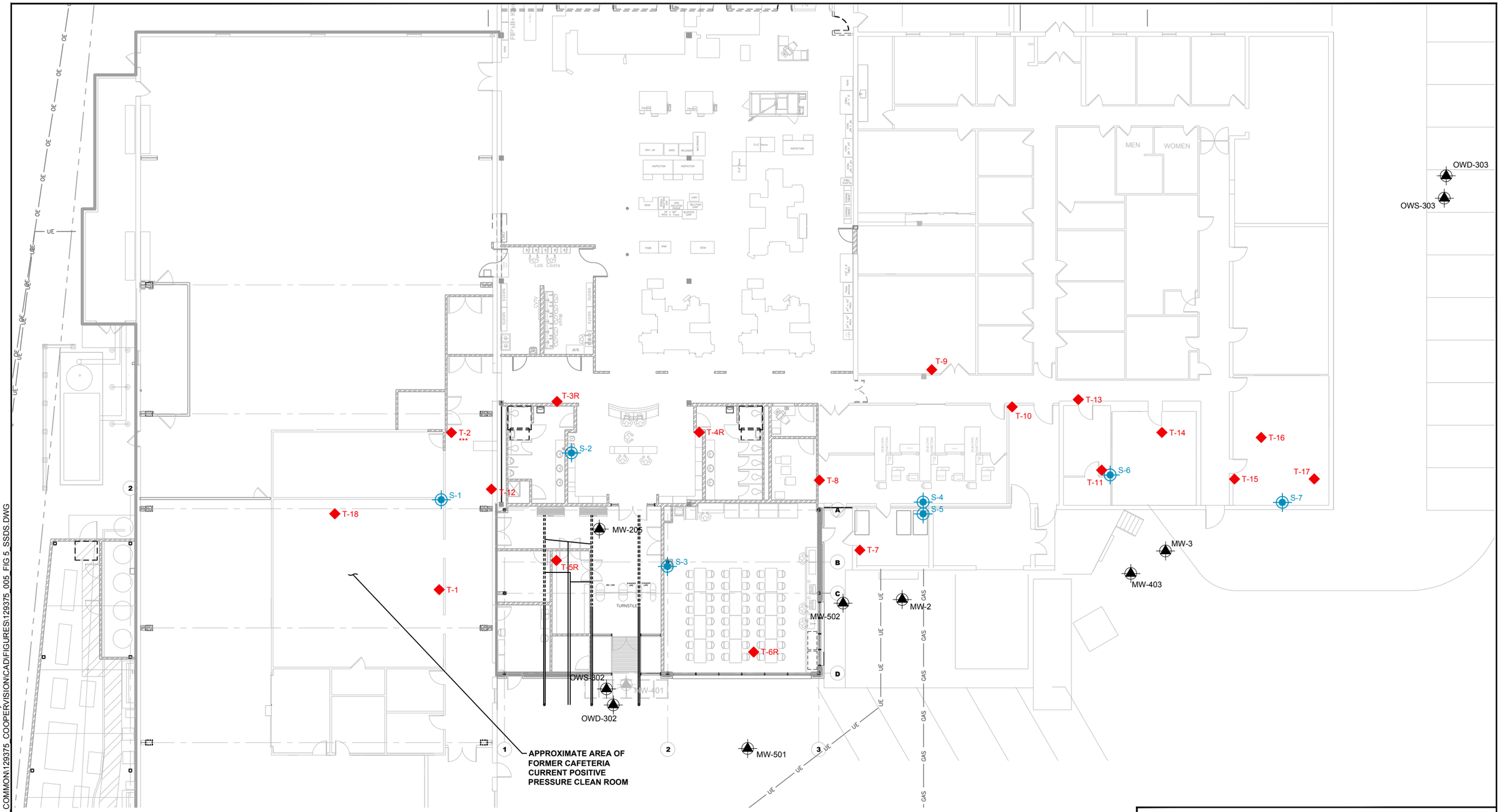
COOPERVISION FACILITY INVESTIGATION
711 NORTH ROAD
SCOTTSVILLE, NEW YORK

GROUNDWATER CONTOUR PLAN APRIL 2019

JUNE 2019

FIGURE 4

GIS FILE PATH: \\haleyaldrich.com\share\phx_common\Projects\CooperVision\1293375_Scottsville\Global\GIS\Maps\2019_06\1293375_003_0004_APRIL_2019_GW_CONTOURS.mxd — USER: hwaathholz — LAST SAVED: 6/7/2019 11:46:43 AM



LEGEND

- EXISTING MONITORING WELL LOCATIONS
- S-1 EXISTING TEST POINT LOCATIONS
- T-18 EXISTING SUCTION POINT LOCATIONS
- OE OVERHEAD ELECTRIC LINES
- UE UNDERGROUND ELECTRIC LINES
- GAS NATURAL GAS PIPE LINE
- SOLID ADS 3000 HDPE PIPING
- PERFORATED ADS 3000 HDPE PIPING

GENERAL NOTES

1. T-2 IS NOT A VALID TEST POINT

N

0 20 40
SCALE IN FEET

HALEY ALDRICH

COOPERVISION FACILITY
711 NORTH ROAD
SCOTTSVILLE, NEW YORK

SUB-SLAB DEPRESSURIZATION SYSTEM VACCUUM LOCATIONS

SCALE: AS SHOWN
JUNE 2019

FIGURE 5

Printed: 6/6/2019 6:09 PM Layout: SITE PLAN
Saved by: KVARI I:\HALEYALDRICH.COM\SHARE\ROC_COMMON\129375_COOPERVISION\CAD\FIGURES\129375_005_FIG 5_SSDS.DWG

APPROXIMATE AREA OF FORMER CAFETERIA NOW CLEAN ROOM

APPROXIMATE LOCATIONS OF MONOMER AND SOLUTIONS LAB

T-3R

T-4R

S-2R

MW-205

IP-3

IP-1

IP-4

T-5R

IP-2

S-3R

MW-502

T-6R

OWS-302

OWD-302

MW-501

NEW EMPLOYEE ENTRANCE AND CAFETERIA

MW-3

MW-403

MW-2

OW-304

APPROXIMATELOCATION OF AUTOCLAVE AREA

Avon

LEGEND

- EXISTING MONITORING WELL LOCATIONS
- T-5R — EXISTING SUCTION POINT LOCATIONS
- S-1 — EXISTING TEST POINT LOCATIONS
- EXISTING INJECTION POINTS INSTALLED NOVEMBER 2018
- EXISTING BORE HOLE LOCATIONS
- OE — OVERHEAD ELECTRIC LINES
- UE — UNDERGROUND ELECTRIC LINES
- GAS — NATURAL GAS PIPE LINE
- SOLID ADS 3000 HDPE PIPING
- PERFORATED ADS 3000 HDPE PIPING

NOTES

1. LOCATIONS OF PIPING AND BOREHOLES IS APPROXIMATE.

N

0 20 40

SCALE IN FEET

HALEY ALDRICH

COOPERVISION FACILITY
711 NORTH ROAD
SCOTTSVILLE, NEW YORK

RECORD DRAWING

SCALE: AS SHOWN
JUNE 2019

FIGURE 6

Saved by: KVARI Printed: 6/6/2019 6:23 PM Layout: SITE PLAN
\\HALEYALDRICH.COM\SHARE\ROC_COMMON\129375_COOPERVISION\CAD\FIGURES\129375_005_FIG 6_AB PLAN.DWG

APPENDIX A

Institutional and Engineering Controls Certification Form

HALEY ALDRICH

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **V00175**

Site Name 711 North Road (Cooper Vision)

Site Address: 711 North Road Zip Code: 14546-
City/Town: Scottsville
County: Monroe
Site Acreage: 5.500

Reporting Period: May 16, 2018 to May 16, 2019

	YES	NO
1. Is the information above correct?	☒	☐
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?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? Refer to Appendix B for building permits	☒	☐
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development? Interior renovations for production processes and capabilities	☒	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

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

SITE NO. V00175

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
187.170-1-18	CooperVision, Inc	Ground Water Use Restriction Landuse Restriction 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 Landuse Restriction 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.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
187.170-1-18	Cover System Subsurface Barriers Vapor Mitigation
187.170-1-18.1	Cover System Subsurface Barriers Vapor Mitigation

Box 5

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 compete.

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 Patricia Wittreich (print name) at 711 North Road, Scottsville NY 14546 (print business address)

am certifying as owner (Owner or Remedial Party)

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

PL Wittreich
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

06-11-2019
Date

IC/EC CERTIFICATIONS

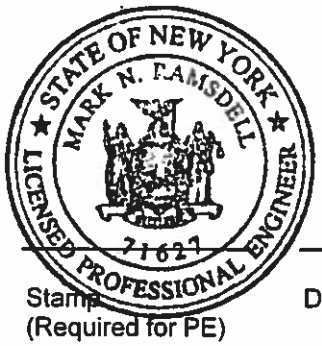
Box 7

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 (print name) at Haley & Aldrich of New York, Rochester, New York (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)

6/14/19 — Date

APPENDIX B

2018 Notifications - Building Permits

HALEY ALDRICH

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

Phase Three

Permit No: BP2018-056 12/11/2018

711 North Road, Scottsville

Work to be completed: Leroy Room an Sterilization Room

Property Owner: Coopervision

711 North Road

Required Inspections: Framing, Plumbinr, and Electricla

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.
After one year new permit fees must be repaid.

Code Enforcement Officer

Fee

$2.101.00

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

LAB RENOVATION

Permit No: BP2019-006 3/27/2019

711 North Street

Work to be completed: Lab Renovation

CooperVision
~~Charles floeser~~

711 North Street

Required Inspections: Demolition, New Columb,Final

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.
After one year new permit fees must be repaid.

Fee $545.00

Code Enforcement Officer

APPENDIX C

Soil Analytical Data Package and Disposal Documentation

HALEY ALDRICH

June 11, 2018 Service Request No:R1805051

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 June 01, 2018
For your reference, these analyses have been assigned our service request number **R1805051.**

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

ALS Environmental

Client: Haley & Aldrich, Incorporated
Project: Coopervision
Sample Matrix: Soil

Service Request: R1805051
Date Received: 06/01/2018

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 06/01/2018. 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.

Semivoa 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.

Subcontracted Analytical Parameters:

One or more samples were subcontracted to another laboratory for testing. The certified analytical report from the subcontractor has been included in its entirety at the end of this report and includes the name and address of the subcontracted laboratory.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

Approved by _____ Date 06/11/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: SP01-060118-1415			Lab ID: R1805051-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	91.2				Percent	ALS SOP
Arsenic, Total	3.8		0.4	1.1	mg/Kg	6010C
Barium, Total	35.7		0.08	2.1	mg/Kg	6010C
Chromium, Total	8.8		0.1	1.1	mg/Kg	6010C
Lead, Total	8.5		0.3	5.3	mg/Kg	6010C
Mercury, Total	0.035		0.006	0.033	mg/Kg	7471B

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

Client: Haley & Aldrich, Incorporated **Service Request:**R1805051
Project: Coopervision/129375-005

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1805051-001	SP01-060118-1415	6/1/2018	1415

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 51611

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE _____ OF _____

Project Name: Cooper Vision	Project Number: 129375-002
Project Manager: Mark Ramsdell	Report CC:
Company/Address: 200 Town Centre Drive Suite 2 Rochester, New York, 14623	
Phone #: 585-321-4262	Email: MRamsdell@haleyaldrich.com
Sampler's Signature:	Sampler's Printed Name: Jon Sawyer

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 0 0 0 0 0 0

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs • 8260 • 624 • CLP	GC/MS SVOAs • 8270 • 625	GC VOAs • 8021 • 601/602	PESTICIDES • 8081 • 608	PCBs • 8082 • 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	TCLP VOCs	TCL VOCs	TCLP Metals	TCLP SVOCs				REMARKS/ ALTERNATE DESCRIPTION
SP01-060118-1415		6/1/18	1415	SO	4					X	X		X	X	X	X				

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
_____ Standard (10 business days-No Surcharge)

REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
_____ I. Results Only
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data

Edata _____ Yes _____ No

INVOICE INFORMATION
PO #
BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Mike Clancy	Printed Name: Jason Wade	Printed Name	Printed Name	Printed Name	Printed Name
Firm: HA	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 6/1/18 1705	Date/Time: 6/1/18 1505	Date/Time	Date/Time	Date/Time	Date/Time

R1805051 5
Haley & Aldrich, Inc.
Coopervision

Distribution: White - Lab Copy; Yellow - Return to Originator

© 2012 by ALS Group

Cooler Receipt and Preservation Check Form

R1805051 5
Haley & Aldrich, Inc.
Coopervision

Project/Client H+A Folder Number

Cooler received on 6/1/18 by: dlw

COURIER: ALS UPS FEDEX VELOCITY ~~CLIENT~~

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y N (NA)
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	ALS/ROC CLIENT
4	Circle: ~~Wet Ice~~ **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 6/1/18 Time: 1505 ID: IR#7 ~~IR#9~~ From: Temp Blank ~~Sample Bottle~~

Observed Temp (°C)	20.7						
Correction Factor (°C)	+0.0						
Corrected Temp (°C)	20.7						
Temp from:Type of bottle							
Within 0-6°C?	Y (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 dlw on 6/1/18 at 1505
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: 6/4/18 Time: _____ 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 N/A
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 060717-ITW, 091817-18R

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

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.
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/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
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.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) 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[1]

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Delaware Approved	New Jersey ID # NY004	
DoD ELAP #65817	New York ID # 10145	Pennsylvania ID# 68-786
Florida ID # E87674	North Carolina #676	Rhode Island ID # 158
		Virginia #460167

[1] Analyses were performed according to our laboratoryôs 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

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 **Service Request:** R1805051
Project: Coopervision/129375-005

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
ALS SOP	Soil	Total Solids

Analyst Summary report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1805051
Project:	Coopervision/129375-005		

Sample Name:	SP01-060118-1415	**Date Collected:**	06/1/18
Lab Code:	R1805051-001	**Date Received:**	06/1/18
Sample Matrix:	Soil		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	NMANSEN
7471B	KMCLAEN	KMCLAEN
8082A	DMURPHY	MPEDRO
8260C		FNAEGLER
ALS SOP		KWONG

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
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1805051
Project:	Coopervision/129375-005	**Date Collected:**	06/01/18 14:15
Sample Matrix:	Soil	**Date Received:**	06/01/18 15:05
Sample Name:	SP01-060118-1415	**Units:**	ug/Kg
Lab Code:	R1805051-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS, Unp

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.5 U	5.5	1	06/11/18 14:08	
1,1,2,2-Tetrachloroethane	5.5 U	5.5	1	06/11/18 14:08	
1,1,2-Trichloroethane	5.5 U	5.5	1	06/11/18 14:08	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.5 U	5.5	1	06/11/18 14:08	
1,1-Dichloroethane (1,1-DCA)	5.5 U	5.5	1	06/11/18 14:08	
1,1-Dichloroethene (1,1-DCE)	5.5 U	5.5	1	06/11/18 14:08	
1,2,3-Trichlorobenzene	5.5 U	5.5	1	06/11/18 14:08	
1,2,4-Trichlorobenzene	5.5 U	5.5	1	06/11/18 14:08	
1,2-Dibromo-3-chloropropane (DBCP)	5.5 U	5.5	1	06/11/18 14:08	
1,2-Dibromoethane	5.5 U	5.5	1	06/11/18 14:08	
1,2-Dichlorobenzene	5.5 U	5.5	1	06/11/18 14:08	
1,2-Dichloroethane	5.5 U	5.5	1	06/11/18 14:08	
1,2-Dichloropropane	5.5 U	5.5	1	06/11/18 14:08	
1,3-Dichlorobenzene	5.5 U	5.5	1	06/11/18 14:08	
1,4-Dichlorobenzene	5.5 U	5.5	1	06/11/18 14:08	
2-Butanone (MEK)	5.5 U	5.5	1	06/11/18 14:08	
2-Hexanone	5.5 U	5.5	1	06/11/18 14:08	
4-Methyl-2-pentanone	5.5 U	5.5	1	06/11/18 14:08	
Acetone	5.5 U	5.5	1	06/11/18 14:08	
Benzene	5.5 U	5.5	1	06/11/18 14:08	
Bromochloromethane	5.5 U	5.5	1	06/11/18 14:08	
Bromodichloromethane	5.5 U	5.5	1	06/11/18 14:08	
Bromoform	5.5 U	5.5	1	06/11/18 14:08	
Bromomethane	5.5 U	5.5	1	06/11/18 14:08	
Carbon Disulfide	5.5 U	5.5	1	06/11/18 14:08	
Carbon Tetrachloride	5.5 U	5.5	1	06/11/18 14:08	
Chlorobenzene	5.5 U	5.5	1	06/11/18 14:08	
Chloroethane	5.5 U	5.5	1	06/11/18 14:08	
Chloroform	5.5 U	5.5	1	06/11/18 14:08	
Chloromethane	5.5 U	5.5	1	06/11/18 14:08	
Cyclohexane	5.5 U	5.5	1	06/11/18 14:08	
Dibromochloromethane	5.5 U	5.5	1	06/11/18 14:08	
Dichlorodifluoromethane (CFC 12)	5.5 U	5.5	1	06/11/18 14:08	
Dichloromethane	5.5 U	5.5	1	06/11/18 14:08	
Ethylbenzene	5.5 U	5.5	1	06/11/18 14:08	
Isopropylbenzene (Cumene)	5.5 U	5.5	1	06/11/18 14:08	
Methyl Acetate	5.5 U	5.5	1	06/11/18 14:08	
Methyl tert-Butyl Ether	5.5 U	5.5	1	06/11/18 14:08	
Methylcyclohexane	5.5 U	5.5	1	06/11/18 14:08	
Styrene	5.5 U	5.5	1	06/11/18 14:08	
Tetrachloroethene (PCE)	5.5 U	5.5	1	06/11/18 14:08	
Toluene	5.5 U	5.5	1	06/11/18 14:08	
Trichloroethene (TCE)	5.5 U	5.5	1	06/11/18 14:08	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1805051
Project:	Coopervision/129375-005	**Date Collected:**	06/01/18 14:15
Sample Matrix:	Soil	**Date Received:**	06/01/18 15:05
Sample Name:	SP01-060118-1415	**Units:**	ug/Kg
Lab Code:	R1805051-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS, Unp

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichlorofluoromethane (CFC 11)	5.5 U	5.5	1	06/11/18 14:08	
Vinyl Chloride	5.5 U	5.5	1	06/11/18 14:08	
cis-1,2-Dichloroethene	5.5 U	5.5	1	06/11/18 14:08	
cis-1,3-Dichloropropene	5.5 U	5.5	1	06/11/18 14:08	
m,p-Xylenes	11 U	11	1	06/11/18 14:08	
o-Xylene	5.5 U	5.5	1	06/11/18 14:08	
trans-1,2-Dichloroethene	5.5 U	5.5	1	06/11/18 14:08	
trans-1,3-Dichloropropene	5.5 U	5.5	1	06/11/18 14:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	31 - 154	06/11/18 14:08	
Dibromofluoromethane	96	63 - 138	06/11/18 14:08	
Toluene-d8	99	66 - 138	06/11/18 14:08	

Semivolatile Organic Compounds by GC

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Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1805051
Project:	Coopervision/129375-005	**Date Collected:**	06/01/18 14:15
Sample Matrix:	Soil	**Date Received:**	06/01/18 15:05
Sample Name:	SP01-060118-1415	**Units:**	ug/Kg
Lab Code:	R1805051-001	**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	36 U	36	1	06/07/18 14:44	6/6/18	
Aroclor 1221	73 U	73	1	06/07/18 14:44	6/6/18	
Aroclor 1232	36 U	36	1	06/07/18 14:44	6/6/18	
Aroclor 1242	36 U	36	1	06/07/18 14:44	6/6/18	
Aroclor 1248	36 U	36	1	06/07/18 14:44	6/6/18	
Aroclor 1254	36 U	36	1	06/07/18 14:44	6/6/18	
Aroclor 1260	36 U	36	1	06/07/18 14:44	6/6/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	87	22 - 128	06/07/18 14:44	
Tetrachloro-m-xylene	82	14 - 119	06/07/18 14:44	

Metals

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Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1805051
Project:	Coopervision/129375-005	**Date Collected:**	06/01/18 14:15
Sample Matrix:	Soil	**Date Received:**	06/01/18 15:05
Sample Name:	SP01-060118-1415	**Basis:**	Dry
Lab Code:	R1805051-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	**3.8**	mg/Kg	1.1	1	06/06/18 01:53	06/04/18	
Barium, Total	6010C	**35.7**	mg/Kg	2.1	1	06/06/18 01:53	06/04/18	
Cadmium, Total	6010C	0.53 U	mg/Kg	0.53	1	06/06/18 01:53	06/04/18	
Chromium, Total	6010C	**8.8**	mg/Kg	1.1	1	06/06/18 01:53	06/04/18	
Lead, Total	6010C	**8.5**	mg/Kg	5.3	1	06/06/18 01:53	06/04/18	
Mercury, Total	7471B	**0.035**	mg/Kg	0.033	1	06/06/18 16:30	06/04/18	
Selenium, Total	6010C	1.1 U	mg/Kg	1.1	1	06/06/18 01:53	06/04/18	
Silver, Total	6010C	1.1 U	mg/Kg	1.1	1	06/06/18 01:53	06/04/18	

General Chemistry

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Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1805051
Project:	Coopervision/129375-005	**Date Collected:**	06/01/18 14:15
Sample Matrix:	Soil	**Date Received:**	06/01/18 15:05
Sample Name:	SP01-060118-1415	**Basis:**	As Received
Lab Code:	R1805051-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**91.2**	Percent	-	1	06/05/18 11:20	

QC Summary Forms

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Volatile 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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Client: Haley & Aldrich, Incorporated **Service Request:** R1805051
Project: Coopervision/129375-005
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS, Unp

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 31-154	Dibromofluoromethane 63-138	Toluene-d8 66-138
SP01-060118-1415	R1805051-001	87	96	99
Method Blank	RQ1805691-05	91	99	99
Lab Control Sample	RQ1805691-03	92	100	98
Duplicate Lab Control Sample	RQ1805691-04	95	102	101

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1805051
Project:	Coopervision/129375-005	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1805691-05	**Basis:**	Dry

Volatile Organic Compounds by GC/MS, Unp

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	06/11/18 13:36	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	06/11/18 13:36	
1,1,2-Trichloroethane	5.0 U	5.0	1	06/11/18 13:36	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	06/11/18 13:36	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	06/11/18 13:36	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	06/11/18 13:36	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	06/11/18 13:36	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	06/11/18 13:36	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	06/11/18 13:36	
1,2-Dibromoethane	5.0 U	5.0	1	06/11/18 13:36	
1,2-Dichlorobenzene	5.0 U	5.0	1	06/11/18 13:36	
1,2-Dichloroethane	5.0 U	5.0	1	06/11/18 13:36	
1,2-Dichloropropane	5.0 U	5.0	1	06/11/18 13:36	
1,3-Dichlorobenzene	5.0 U	5.0	1	06/11/18 13:36	
1,4-Dichlorobenzene	5.0 U	5.0	1	06/11/18 13:36	
2-Butanone (MEK)	5.0 U	5.0	1	06/11/18 13:36	
2-Hexanone	5.0 U	5.0	1	06/11/18 13:36	
4-Methyl-2-pentanone	5.0 U	5.0	1	06/11/18 13:36	
Acetone	5.0 U	5.0	1	06/11/18 13:36	
Benzene	5.0 U	5.0	1	06/11/18 13:36	
Bromochloromethane	5.0 U	5.0	1	06/11/18 13:36	
Bromodichloromethane	5.0 U	5.0	1	06/11/18 13:36	
Bromoform	5.0 U	5.0	1	06/11/18 13:36	
Bromomethane	5.0 U	5.0	1	06/11/18 13:36	
Carbon Disulfide	5.0 U	5.0	1	06/11/18 13:36	
Carbon Tetrachloride	5.0 U	5.0	1	06/11/18 13:36	
Chlorobenzene	5.0 U	5.0	1	06/11/18 13:36	
Chloroethane	5.0 U	5.0	1	06/11/18 13:36	
Chloroform	5.0 U	5.0	1	06/11/18 13:36	
Chloromethane	5.0 U	5.0	1	06/11/18 13:36	
Cyclohexane	5.0 U	5.0	1	06/11/18 13:36	
Dibromochloromethane	5.0 U	5.0	1	06/11/18 13:36	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	06/11/18 13:36	
Dichloromethane	5.0 U	5.0	1	06/11/18 13:36	
Ethylbenzene	5.0 U	5.0	1	06/11/18 13:36	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	06/11/18 13:36	
Methyl Acetate	5.0 U	5.0	1	06/11/18 13:36	
Methyl tert-Butyl Ether	5.0 U	5.0	1	06/11/18 13:36	
Methylcyclohexane	5.0 U	5.0	1	06/11/18 13:36	
Styrene	5.0 U	5.0	1	06/11/18 13:36	
Tetrachloroethene (PCE)	5.0 U	5.0	1	06/11/18 13:36	
Toluene	5.0 U	5.0	1	06/11/18 13:36	
Trichloroethene (TCE)	5.0 U	5.0	1	06/11/18 13:36	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1805051
Project:	Coopervision/129375-005	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1805691-05	**Basis:**	Dry

Volatile Organic Compounds by GC/MS, Unp

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	06/11/18 13:36	
Vinyl Chloride	5.0 U	5.0	1	06/11/18 13:36	
cis-1,2-Dichloroethene	5.0 U	5.0	1	06/11/18 13:36	
cis-1,3-Dichloropropene	5.0 U	5.0	1	06/11/18 13:36	
m,p-Xylenes	10 U	10	1	06/11/18 13:36	
o-Xylene	5.0 U	5.0	1	06/11/18 13:36	
trans-1,2-Dichloroethene	5.0 U	5.0	1	06/11/18 13:36	
trans-1,3-Dichloropropene	5.0 U	5.0	1	06/11/18 13:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	31 - 154	06/11/18 13:36	
Dibromofluoromethane	99	63 - 138	06/11/18 13:36	
Toluene-d8	99	66 - 138	06/11/18 13:36	

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QA/QC Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-005
Sample Matrix: Soil

Service Request: R1805051
Date Analyzed: 06/11/18

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unp

Units:ug/Kg
Basis: Dry

	Lab Control Sample				Duplicate Lab Control Sample					
	RQ1805691-03				RQ1805691-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	8260C	18.0	20.0	90	17.3	20.0	87	68-123	3	30
1,1,2,2-Tetrachloroethane	8260C	19.2	20.0	96	19.3	20.0	97	78-121	1	30
1,1,2-Trichloroethane	8260C	19.4	20.0	97	19.3	20.0	96	84-117	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	16.5	20.0	82	14.9	20.0	74	54-121	10	30
1,1-Dichloroethane (1,1-DCA)	8260C	20.2	20.0	101	20.1	20.0	101	76-123	<1	30
1,1-Dichloroethene (1,1-DCE)	8260C	17.2	20.0	86	17.0	20.0	85	65-115	1	30
1,2,3-Trichlorobenzene	8260C	17.7	20.0	88	17.1	20.0	86	60-128	2	30
1,2,4-Trichlorobenzene	8260C	17.5	20.0	88	16.8	20.0	84	62-130	5	30
1,2-Dibromo-3-chloropropane (DBCP)	8260C	18.5	20.0	93	17.5	20.0	88	54-135	6	30
1,2-Dibromoethane	8260C	19.6	20.0	98	19.0	20.0	95	77-117	3	30
1,2-Dichlorobenzene	8260C	19.6	20.0	98	18.1	20.0	90	75-116	9	30
1,2-Dichloroethane	8260C	20.3	20.0	102	20.4	20.0	102	74-116	<1	30
1,2-Dichloropropane	8260C	19.6	20.0	98	19.1	20.0	96	79-112	2	30
1,3-Dichlorobenzene	8260C	18.6	20.0	93	17.3	20.0	86	72-118	8	30
1,4-Dichlorobenzene	8260C	19.6	20.0	98	17.2	20.0	86	72-117	13	30
2-Butanone (MEK)	8260C	21.9	20.0	110	21.7	20.0	108	67-129	2	30
2-Hexanone	8260C	21.0	20.0	105	20.3	20.0	101	68-118	4	30
4-Methyl-2-pentanone	8260C	20.5	20.0	103	20.1	20.0	101	64-123	2	30
Acetone	8260C	22.1	20.0	110	22.0	20.0	110	32-154	<1	30
Benzene	8260C	19.7	20.0	99	19.2	20.0	96	77-114	3	30
Bromochloromethane	8260C	19.0	20.0	95	19.4	20.0	97	78-117	2	30
Bromodichloromethane	8260C	20.0	20.0	100	19.4	20.0	97	72-118	3	30
Bromoform	8260C	16.4	20.0	82	15.7	20.0	79	55-134	4	30
Bromomethane	8260C	25.1	20.0	125	22.6	20.0	113	10-150	10	30
Carbon Disulfide	8260C	17.8	20.0	89	17.4	20.0	87	44-139	2	30
Carbon Tetrachloride	8260C	17.5	20.0	88	15.6	20.0	78	51-123	12	30
Chlorobenzene	8260C	18.9	20.0	95	17.6	20.0	88	79-115	8	30
Chloroethane	8260C	17.1	20.0	86	17.1	20.0	85	10-140	1	30
Chloroform	8260C	20.1	20.0	100	20.0	20.0	100	76-115	<1	30
Chloromethane	8260C	20.4	20.0	102	20.2	20.0	101	10-131	<1	30
Cyclohexane	8260C	19.9	20.0	100	19.6	20.0	98	67-122	2	30
Dibromochloromethane	8260C	18.4	20.0	92	17.8	20.0	89	68-121	3	30
Dichlorodifluoromethane (CFC 12)	8260C	22.1	20.0	110	21.5	20.0	108	51-144	2	30

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-005
Sample Matrix: Soil

Service Request: R1805051
Date Analyzed: 06/11/18

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unp

Units:ug/Kg
Basis: Dry

	Lab Control Sample				Duplicate Lab Control Sample					
	RQ1805691-03				RQ1805691-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Dichloromethane	8260C	18.2	20.0	91	18.2	20.0	91	72-118	<1	30
Ethylbenzene	8260C	18.7	20.0	93	16.8	20.0	84	64-118	10	30
Isopropylbenzene (Cumene)	8260C	17.6	20.0	88	15.0	20.0	75	60-123	16	30
Methyl Acetate	8260C	18.7	20.0	94	19.2	20.0	96	31-122	2	30
Methyl tert-Butyl Ether	8260C	19.2	20.0	96	19.6	20.0	98	76-118	2	30
Methylcyclohexane	8260C	19.6	20.0	98	19.2	20.0	96	70-124	2	30
Styrene	8260C	19.5	20.0	98	17.5	20.0	88	74-117	11	30
Tetrachloroethene (PCE)	8260C	17.9	20.0	89	15.1	20.0	75	58-124	17	30
Toluene	8260C	19.1	20.0	96	18.2	20.0	91	72-116	5	30
Trichloroethene (TCE)	8260C	18.8	20.0	94	17.7	20.0	89	69-118	5	30
Trichlorofluoromethane (CFC 11)	8260C	19.5	20.0	98	18.8	20.0	94	52-127	4	30
Vinyl Chloride	8260C	20.5	20.0	103	19.9	20.0	100	59-153	3	30
cis-1,2-Dichloroethene	8260C	19.3	20.0	97	18.9	20.0	94	79-113	3	30
cis-1,3-Dichloropropene	8260C	19.5	20.0	98	18.8	20.0	94	66-117	4	30
m,p-Xylenes	8260C	37.6	40.0	94	33.0	40.0	82	68-118	14	30
o-Xylene	8260C	19.6	20.0	98	17.4	20.0	87	71-116	12	30
trans-1,2-Dichloroethene	8260C	18.8	20.0	94	18.2	20.0	91	73-114	3	30
trans-1,3-Dichloropropene	8260C	18.4	20.0	92	18.5	20.0	92	57-135	<1	30

Semivolatile Organic Compounds by GC

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Phone (585) 288-5380 Fax (585) 288-8475
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Client: Haley & Aldrich, Incorporated **Service Request:** R1805051
Project: Coopervision/129375-005
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Extraction Method: EPA 3541

Sample Name	Lab Code	Decachlorobiphenyl 22-128	Tetrachloro-m-xylene 14-119
SP01-060118-1415	R1805051-001	87	82
Method Blank	RQ1805535-01	95	85
Lab Control Sample	RQ1805535-02	84	74
Duplicate Lab Control Sample	RQ1805535-03	97	92

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1805051
Project:	Coopervision/129375-005	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ1805535-01	**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	33 U	33	1	06/07/18 13:25	6/6/18	
Aroclor 1221	67 U	67	1	06/07/18 13:25	6/6/18	
Aroclor 1232	33 U	33	1	06/07/18 13:25	6/6/18	
Aroclor 1242	33 U	33	1	06/07/18 13:25	6/6/18	
Aroclor 1248	33 U	33	1	06/07/18 13:25	6/6/18	
Aroclor 1254	33 U	33	1	06/07/18 13:25	6/6/18	
Aroclor 1260	33 U	33	1	06/07/18 13:25	6/6/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	95	22 - 128	06/07/18 13:25	
Tetrachloro-m-xylene	85	14 - 119	06/07/18 13:25	

QA/QC Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-005
Sample Matrix: Soil

Service Request: R1805051
Date Analyzed: 06/07/18

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/Kg
Basis: Dry

			Lab Control Sample		Duplicate Lab Control Sample					
			RQ1805535-02		RQ1805535-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	129	167	77	159	167	95	41-127	21	30
Aroclor 1260	8082A	144	167	86	170	167	102	49-135	16	30

Metals

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Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1805051
Project:	Coopervision/129375-005	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	Dry
Lab Code:	R1805051-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	1.0	U	mg/Kg	1.0	1	06/06/18 00:33	06/04/18	
Barium, Total	6010C	2.0	U	mg/Kg	2.0	1	06/06/18 00:33	06/04/18	
Cadmium, Total	6010C	0.50	U	mg/Kg	0.50	1	06/06/18 00:33	06/04/18	
Chromium, Total	6010C	1.0	U	mg/Kg	1.0	1	06/06/18 00:33	06/04/18	
Lead, Total	6010C	5.0	U	mg/Kg	5.0	1	06/06/18 00:33	06/04/18	
Mercury, Total	7471B	0.033	U	mg/Kg	0.033	1	06/06/18 15:52	06/04/18	
Selenium, Total	6010C	1.0	U	mg/Kg	1.0	1	06/06/18 00:33	06/04/18	
Silver, Total	6010C	1.0	U	mg/Kg	1.0	1	06/06/18 00:33	06/04/18	

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QA/QC Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-005
Sample Matrix: Soil

Service Request:R1805051
Date Collected:06/01/18
Date Received:06/01/18
Date Analyzed:6/6/18

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: SP01-060118-1415
Lab Code: R1805051-001

Units:mg/Kg
Basis: Dry

			Matrix Spike R1805051-001MS			Duplicate Matrix Spike R1805051-001DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Arsenic, Total	6010C	3.8	6.7	4.2	68 *	6.9	4.3	71 *	75-125	2	20
Barium, Total	6010C	35.7	218	211	86	227	213	90	75-125	4	20
Cadmium, Total	6010C	0.53 U	4.55	5.27	86	4.84	5.32	91	75-125	6	20
Chromium, Total	6010C	8.8	34.8	21.1	123	28.8	21.3	94	75-125	19	20
Lead, Total	6010C	8.5	54.5	52.7	87	103	53.2	178 *	75-125	62*	20
Mercury, Total	7471B	0.035	0.223	0.171	110	0.192	0.169	93	80-120	15	20
Selenium, Total	6010C	1.1 U	92.4	106	87	92.3	108	86	75-125	<1	20
Silver, Total	6010C	1.1 U	4.8	5.3	91	4.8	5.3	90	75-125	<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.

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-005
Sample Matrix: Soil

Service Request: R1805051
Date Analyzed: 06/06/18

Lab Control Sample Summary
Inorganic Parameters

Units:mg/Kg
Basis: Dry

Lab Control Sample
R1805051-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Arsenic, Total	6010C	3.6	4.0	90	80-120
Barium, Total	6010C	192	200	96	80-120
Cadmium, Total	6010C	4.71	5.00	94	80-120
Chromium, Total	6010C	19.5	20.0	98	80-120
Lead, Total	6010C	47.3	50.0	95	80-120
Mercury, Total	7471B	0.175	0.167	105	80-120
Selenium, Total	6010C	87.6	101	87	80-120
Silver, Total	6010C	4.5	5.0	90	80-120

General Chemistry

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QA/QC Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1805051
Project	Coopervision/129375-005	**Date Collected:**	06/01/18
Sample Matrix:	Soil	**Date Received:**	06/01/18
		Date Analyzed:	06/05/18

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	SP01-060118-1415	**Units:**	Percent
Lab Code:	R1805051-001	**Basis:**	As Received

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R1805051-001DUP Result	Average	RPD	RPD Limit
Total Solids	ALS SOP	-	91.2	91.0	91.1	<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.

Subcontracted Analytical Parameters

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June 11, 2018

Reports and Invoices
ALS Environmental
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Rochester, NY 14623

Certificate of Analysis

Project Name:	**Custom EDD & QC, No MDL**	Workorder:	**2318494**
Purchase Order:	**58R1805051**	Workorder ID:	**R1805051**

Dear Reports Invoices:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, June 5, 2018.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vanessa N Badman (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Brady Kalkman , Ms. Lisa Reyes , Ms. Janice Jaeger

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Vanessa N. Badman

Mrs. Vanessa N Badman
Project Coordinator

ALS Environmental

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SAMPLE SUMMARY

Workorder: 2318494 R1805051

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2318494001	SP01-060118-1415	Solid	6/1/2018 14:15	6/5/2018 08:42	Collected by Client

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SAMPLE SUMMARY

Workorder: 2318494 R1805051

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
-- For microbiological analyses, the "Prepared" value is the date/time into the incurbator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 2318494 R1805051

Lab ID: **2318494001** Date Collected: 6/1/2018 14:15 Matrix: Solid

Sample ID: **SP01-060118-1415** Date Received: 6/5/2018 08:42

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
TCLP VOLATILE ORGANICS										
Benzene	ND		ug/L	20.0	SW846 8260B			6/7/18 15:23	DD	A
2-Butanone	ND		ug/L	200	SW846 8260B			6/7/18 15:23	DD	A
Carbon Tetrachloride	ND		ug/L	20.0	SW846 8260B			6/7/18 15:23	DD	A
Chlorobenzene	ND		ug/L	20.0	SW846 8260B			6/7/18 15:23	DD	A
Chloroform	ND		ug/L	20.0	SW846 8260B			6/7/18 15:23	DD	A
1,2-Dichloroethane	ND		ug/L	20.0	SW846 8260B			6/7/18 15:23	DD	A
1,1-Dichloroethene	ND		ug/L	20.0	SW846 8260B			6/7/18 15:23	DD	A
Tetrachloroethene	ND		ug/L	20.0	SW846 8260B			6/7/18 15:23	DD	A
Trichloroethene	ND		ug/L	20.0	SW846 8260B			6/7/18 15:23	DD	A
Vinyl Chloride	ND		ug/L	20.0	SW846 8260B			6/7/18 15:23	DD	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	104		%	62 - 133	SW846 8260B			6/7/18 15:23	DD	A
4-Bromofluorobenzene (S)	112		%	79 - 114	SW846 8260B			6/7/18 15:23	DD	A
Dibromofluoromethane (S)	91.4		%	78 - 116	SW846 8260B			6/7/18 15:23	DD	A
Toluene-d8 (S)	91.8		%	76 - 127	SW846 8260B			6/7/18 15:23	DD	A
WET CHEMISTRY										
Moisture	10.1		%	0.1	S2540G-11			6/6/18 12:26	AXD	
Total Solids	89.9		%	0.1	S2540G-11			6/6/18 12:26	AXD	
TCLP METALS										
Arsenic, Total	ND		mg/L	0.14	SW846 6010C	6/7/18 18:20	AHI	6/7/18 22:08	DAG	A1
Barium, Total	ND		mg/L	2.8	SW846 6010C	6/7/18 18:20	AHI	6/7/18 22:08	DAG	A1
Cadmium, Total	ND		mg/L	0.011	SW846 6010C	6/7/18 18:20	AHI	6/7/18 22:08	DAG	A1
Chromium, Total	ND		mg/L	0.028	SW846 6010C	6/7/18 18:20	AHI	6/7/18 22:08	DAG	A1
Lead, Total	ND		mg/L	0.033	SW846 6010C	6/7/18 18:20	AHI	6/7/18 22:08	DAG	A1
Mercury, Total	ND		mg/L	0.0020	SW846 7470A	6/8/18 09:10	AXC	6/8/18 13:13	AXC	A2
Selenium, Total	ND		mg/L	0.11	SW846 6010C	6/7/18 18:20	AHI	6/7/18 22:08	DAG	A1
Silver, Total	ND		mg/L	0.022	SW846 6010C	6/7/18 18:20	AHI	6/7/18 22:08	DAG	A1
TCLP SEMI-VOLATILES										
mp-Cresol	ND		ug/L	60.0	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
o-Cresol	ND		ug/L	60.0	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
1,4-Dichlorobenzene	ND		ug/L	60.0	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
2,4-Dinitrotoluene	ND		ug/L	60.0	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
Hexachlorobenzene	ND		ug/L	60.0	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
Hexachlorobutadiene	ND		ug/L	60.0	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
Hexachloroethane	ND		ug/L	60.0	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A

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ANALYTICAL RESULTS

Workorder: 2318494 R1805051

Lab ID: **2318494001** Date Collected: 6/1/2018 14:15 Matrix: Solid

Sample ID: **SP01-060118-1415** Date Received: 6/5/2018 08:42

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Nitrobenzene	ND		ug/L	60.0	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
Pentachlorophenol	ND		ug/L	120	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
Pyridine	ND		ug/L	60.0	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
2,4,5-Trichlorophenol	ND		ug/L	60.0	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
2,4,6-Trichlorophenol	ND		ug/L	60.0	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	120		%	47 - 128	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
2-Fluorobiphenyl (S)	85.8		%	52 - 118	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
2-Fluorophenol (S)	88.9	1	%	20 - 87	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
Nitrobenzene-d5 (S)	116		%	27 - 139	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
Phenol-d5 (S)	54.4		%	10 - 81	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A
Terphenyl-d14 (S)	144	2	%	46 - 133	SW846 8270D	6/7/18 09:30	CAC	6/8/18 03:23	CGS	A

Vanessa N. Badman

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ANALYTICAL RESULTS

Workorder: 2318494 R1805051

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
2318494001	1	SP01-060118-1415	SW846 8270D	2-Fluorophenol

The surrogate 2-Fluorophenol for method SW846 8270D was outside of control limits. The % Recovery was reported as 88.9 and the control limits were 20 to 87. This result was reported at a dilution of 1.

2318494001	2	SP01-060118-1415	SW846 8270D	Terphenyl-d14

The surrogate Terphenyl-d14 for method SW846 8270D was outside of control limits. The % Recovery was reported as 144 and the control limits were 46 to 133. This result was reported at a dilution of 1.

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 2318494 R1805051

Lab ID	Sample ID	Analysis Method	Prep Method
2318494001	SP01-060118-1415	S2540G-11	
2318494001	SP01-060118-1415	SW846 6010C	SW846 3015
2318494001	SP01-060118-1415	SW846 7470A	SW846 7470A
2318494001	SP01-060118-1415	SW846 8260B	
2318494001	SP01-060118-1415	SW846 8270D	SW846 3510C

QUALITY CONTROL DATA

Workorder: 2318494 R1805051

QC Batch: EXTR/52484 **Analysis Method:** SW846 8270D

QC Batch Method: SW846 3510C

Associated Lab Samples: 2318494001

METHOD BLANK: 2753704

Parameter	Blank Result	Units	Reporting Limit
mp-Cresol	ND	ug/L	3.0
o-Cresol	ND	ug/L	3.0
1,4-Dichlorobenzene	ND	ug/L	3.0
2,4-Dinitrotoluene	ND	ug/L	3.0
Hexachlorobenzene	ND	ug/L	3.0
Hexachlorobutadiene	ND	ug/L	3.0
Hexachloroethane	ND	ug/L	3.0
Nitrobenzene	ND	ug/L	3.0
Pentachlorophenol	ND	ug/L	6.0
Pyridine	ND	ug/L	3.0
2,4,5-Trichlorophenol	ND	ug/L	3.0
2,4,6-Trichlorophenol	ND	ug/L	3.0
2,4,6-Tribromophenol (S)	80.2	%	47 - 128
2-Fluorobiphenyl (S)	49.5	%	52 - 118
2-Fluorophenol (S)	42.3	%	20 - 87
Nitrobenzene-d5 (S)	63.5	%	27 - 139
Phenol-d5 (S)	26.3	%	10 - 81
Terphenyl-d14 (S)	98.6	%	46 - 133

LABORATORY CONTROL SAMPLE: 2753705

Parameter	LCS % Rec	Units	Spike Conc.	LCS Result	% Rec Limit
mp-Cresol	91.9	ug/L	100	91.9	28 - 128
o-Cresol	98	ug/L	100	98.0	34 - 136
1,4-Dichlorobenzene	76.6	ug/L	50	38.3	5 - 116
2,4-Dinitrotoluene	113	ug/L	50	56.7	49 - 138
Hexachlorobenzene	104	ug/L	50	52.0	59 - 109
Hexachlorobutadiene	65.8	ug/L	50	32.9	5 - 126
Hexachloroethane	63.2	ug/L	50	31.6	5 - 111
Nitrobenzene	94.7	ug/L	50	47.4	41 - 128
Pentachlorophenol	119	ug/L	100	119	41 - 149
Pyridine	74.9	ug/L	50	37.5	5 - 115
2,4,5-Trichlorophenol	106	ug/L	100	106	44 - 148
2,4,6-Trichlorophenol	103	ug/L	100	103	41 - 148
2,4,6-Tribromophenol (S)	97	%			47 - 128

QUALITY CONTROL DATA

Workorder: 2318494 R1805051

2-Fluorobiphenyl (S)	77.3	%	52 - 118
2-Fluorophenol (S)	68.3	%	20 - 87
Nitrobenzene-d5 (S)	87.4	%	27 - 139
Phenol-d5 (S)	42.7	%	10 - 81
Terphenyl-d14 (S)	104	%	46 - 133

MATRIX SPIKE: 2753706 DUPLICATE: 2753707 ORIGINAL: 2317555001

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Parameter	Original Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
mp-Cresol	0	ug/L	2000	1712.33	1736.8	85.6	86.8	28 - 128	1.42	20
o-Cresol	0	ug/L	2000	1824.15	1854.63	91.2	92.7	34 - 136	1.66	23
1,4-Dichlorobenzene	0	ug/L	1000	625.41	713.302	62.5	71.3	5 - 116	13.1	30
2,4-Dinitrotoluene	0	ug/L	1000	1083.51	1155.45	108	116	49 - 138	6.43	22
Hexachlorobenzene	0	ug/L	1000	990.251	1036.2	99	104	59 - 109	4.53	21
Hexachlorobutadiene	0	ug/L	1000	550.568	675.123	55.1	67.5	5 - 126	20.3	30
Hexachloroethane	0	ug/L	1000	531.712	638.466	53.2	63.8	5 - 111	18.2	30
Nitrobenzene	0	ug/L	1000	918.471	961.253	91.8	96.1	41 - 128	4.55	19
Pentachlorophenol	0	ug/L	2000	2101.88	2390.41	105	120	41 - 149	12.8	28
Pyridine	0	ug/L	1000	700.393	766.083	70	76.6	5 - 115	8.96	30
2,4,5-Trichlorophenol	0	ug/L	2000	2038.57	2173.41	102	109	44 - 148	6.4	23
2,4,6-Trichlorophenol	0	ug/L	2000	1983.86	2124.16	99.2	106	41 - 148	6.83	23
2,4,6-Tribromophenol (S)	91.1	%				91.1	95.7	47 - 128		
2-Fluorobiphenyl (S)	63.1	%				63.1	71.5	52 - 118		
2-Fluorophenol (S)	62.4	%				62.4	63.8	20 - 87		
Nitrobenzene-d5 (S)	82.1	%				82.1	88.4	27 - 139		
Phenol-d5 (S)	37.5	%				37.5	39.4	10 - 81		
Terphenyl-d14 (S)	100	%				100	105	46 - 133		

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

QUALITY CONTROL DATA

Workorder: 2318494 R1805051

QC Batch: MDIG/72074 **Analysis Method:** SW846 6010C

QC Batch Method: SW846 3015

Associated Lab Samples: 2318494001

METHOD BLANK: 2754141

Parameter	Blank Result	Units	Reporting Limit
Arsenic, Total	ND	mg/L	0.028
Barium, Total	ND	mg/L	0.56
Cadmium, Total	ND	mg/L	0.0022
Chromium, Total	ND	mg/L	0.0056
Lead, Total	ND	mg/L	0.0067
Selenium, Total	ND	mg/L	0.022
Silver, Total	ND	mg/L	0.0044

LABORATORY CONTROL SAMPLE: 2754142

Parameter	LCS % Rec	Units	Spike Conc.	LCS Result	% Rec Limit
Arsenic, Total	93.9	mg/L	.11	0.10	80 - 120
Barium, Total	103	mg/L	1.1	1.1	80 - 120
Cadmium, Total	100	mg/L	.11	0.11	80 - 120
Chromium, Total	111	mg/L	.11	0.12	80 - 120
Lead, Total	104	mg/L	.11	0.12	80 - 120
Selenium, Total	101	mg/L	1.1	1.1	80 - 120
Silver, Total	99.2	mg/L	.11	0.11	80 - 120

MATRIX SPIKE: 2754143 DUPLICATE: 2754144 ORIGINAL: 2318032001

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Parameter	Original Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Arsenic, Total	0	mg/L	5	4.79162	4.91162	95.8	98.2	50 - 150	2.47	20
Barium, Total	.10778	mg/L	10	10.22212	10.43878	101	103	50 - 150	2.1	20
Cadmium, Total	0	mg/L	1	1.08221	1.11888	108	112	50 - 150	3.33	20
Chromium, Total	0	mg/L	5	4.95495	5.10828	99.1	102	50 - 150	3.05	20
Lead, Total	.055	mg/L	5	4.88551	5.03162	96.6	99.5	50 - 150	2.95	20
Selenium, Total	0	mg/L	1	1.01721	1.06332	102	106	50 - 150	4.43	20
Silver, Total	0	mg/L	1	.99777	1.01888	99.8	102	50 - 150	2.09	20

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

QUALITY CONTROL DATA

Workorder: 2318494 R1805051

QC Batch: MDIG/72076 **Analysis Method:** SW846 7470A

QC Batch Method: SW846 7470A

Associated Lab Samples: 2318494001

METHOD BLANK: 2754350

Parameter	Blank Result	Units	Reporting Limit
Mercury, Total	ND	mg/L	0.0020

LABORATORY CONTROL SAMPLE: 2754351

Parameter	LCS % Rec	Units	Spike Conc.	LCS Result	% Rec Limit
Mercury, Total	99	mg/L	.002	ND	85 - 115

MATRIX SPIKE: 2754352 DUPLICATE: 2754353 ORIGINAL: 2317555001

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Parameter	Original Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Mercury, Total	0	mg/L	.005	.00613	.00596	123	119	70 - 130	2.81	20

QUALITY CONTROL DATA

Workorder: 2318494 R1805051

QC Batch: VOMS/47033 **Analysis Method:** SW846 8260B

QC Batch Method: SW846 8260B

Associated Lab Samples: 2318494001

METHOD BLANK: 2753594

Parameter	Blank Result	Units	Reporting Limit
Benzene	ND	ug/L	1.0
2-Butanone	ND	ug/L	10.0
Carbon Tetrachloride	ND	ug/L	1.0
Chlorobenzene	ND	ug/L	1.0
Chloroform	ND	ug/L	1.0
1,2-Dichloroethane	ND	ug/L	1.0
1,1-Dichloroethene	ND	ug/L	1.0
Tetrachloroethene	ND	ug/L	1.0
Trichloroethene	ND	ug/L	1.0
Vinyl Chloride	ND	ug/L	1.0
1,2-Dichloroethane-d4 (S)	107	%	62 - 133
4-Bromofluorobenzene (S)	107	%	79 - 114
Dibromofluoromethane (S)	93.2	%	78 - 116
Toluene-d8 (S)	95.1	%	76 - 127

LABORATORY CONTROL SAMPLE: 2753595

Parameter	LCS % Rec	Units	Spike Conc.	LCS Result	% Rec Limit
Benzene	101	ug/L	20	20.2	80 - 124
2-Butanone	104	ug/L	100	104	50 - 152
Carbon Tetrachloride	97	ug/L	20	19.4	62 - 132
Chlorobenzene	90.8	ug/L	20	18.2	85 - 117
Chloroform	100	ug/L	20	20.0	78 - 122
1,2-Dichloroethane	98.2	ug/L	20	19.6	70 - 133
1,1-Dichloroethene	111	ug/L	20	22.3	63 - 128
Tetrachloroethene	87.3	ug/L	20	17.5	72 - 124
Trichloroethene	97	ug/L	20	19.4	77 - 124
Vinyl Chloride	77.2	ug/L	20	15.4	27 - 138
1,2-Dichloroethane-d4 (S)	101	%			62 - 133
4-Bromofluorobenzene (S)	106	%			79 - 114
Dibromofluoromethane (S)	92.3	%			78 - 116
Toluene-d8 (S)	93.2	%			76 - 127

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

QUALITY CONTROL DATA

Workorder: 2318494 R1805051

MATRIX SPIKE: 2753941 DUPLICATE: 2753942 ORIGINAL: 2318499001

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Parameter	Original Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	0	ug/L	20	21.4985	21.656	107	108	80 - 124	.73	26
2-Butanone	0	ug/L	100	106.526	106.716	107	107	50 - 152	.18	16
Carbon Tetrachloride	0	ug/L	20	19.7428	19.8672	98.7	99.3	62 - 132	.63	17
Chlorobenzene	0	ug/L	20	17.9715	18.0256	89.9	90.1	85 - 117	.3	15
Chloroform	0	ug/L	20	21.0197	21.1662	105	106	78 - 122	.69	16
1,2-Dichloroethane	0	ug/L	20	20.5561	20.6468	103	103	70 - 133	.44	19
1,1-Dichloroethene	0	ug/L	20	24.4519	24.2719	122	121	63 - 128	.74	21
Tetrachloroethene	0	ug/L	20	17.1079	17.4765	85.5	87.4	72 - 124	2.13	38
Trichloroethene	0	ug/L	20	20.729	20.7052	104	104	77 - 124	.11	18
Vinyl Chloride	0	ug/L	20	17.1168	17.291	85.6	86.5	27 - 138	1.01	40
1,2-Dichloroethane-d4 (S)	103	%				103	100	62 - 133		
4-Bromofluorobenzene (S)	102	%				102	103	79 - 114		
Dibromofluoromethane (S)	92	%				92	91.7	78 - 116		
Toluene-d8 (S)	88.4	%				88.4	88.9	76 - 127		

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

QUALITY CONTROL DATA

Workorder: 2318494 R1805051

QC Batch: WETC/205541 **Analysis Method:** S2540G-11

QC Batch Method: S2540G-11

Associated Lab Samples: 2318494001

SAMPLE DUPLICATE: 2753175 ORIGINAL: 2318494001

Parameter	Original Result	Units	DUP Result	RPD	Max RPD
Moisture	10.0836	%	9.4457	6.53	10
Total Solids	89.9163	%	90.5542	.71	5

SAMPLE DUPLICATE: 2753176 ORIGINAL: 2318557001

Parameter	Original Result	Units	DUP Result	RPD	Max RPD
Moisture	40.1151	%	40.8618	1.84	10
Total Solids	59.8848	%	59.1381	1.25	5

SAMPLE DUPLICATE: 2753177 ORIGINAL: 2318557011

Parameter	Original Result	Units	DUP Result	RPD	Max RPD
Moisture	38.2922	%	43.1804	12*	10
Total Solids	61.7077	%	56.8195	8.25*	5

SAMPLE DUPLICATE: 2753178 ORIGINAL: 2318322001

Parameter	Original Result	Units	DUP Result	RPD	Max RPD
Moisture	97.0414	%	96.9948	.05	10
Total Solids	2.9585	%	3.0051	1.56	5

SAMPLE DUPLICATE: 2753179 ORIGINAL: 2318476002

Parameter	Original Result	Units	DUP Result	RPD	Max RPD
Moisture	2.662	%	2.4767	7.21	10
Total Solids	97.3379	%	97.5232	.19	5

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State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

QUALITY CONTROL DATA

Workorder: 2318494 R1805051

SAMPLE DUPLICATE: 2753180 ORIGINAL: 2318524001

Parameter	Original Result	Units	DUP Result	RPD	Max RPD
Moisture	16.3476	%	15.3473	6.31	10
Total Solids	83.6523	%	84.6526	1.19	5

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 2318494 R1805051

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
2318494001	SP01-060118-1415			S2540G-11	WETC/205541
2318494001	SP01-060118-1415			SW846 8260B	VOMS/47033
2318494001	SP01-060118-1415	SW846 3510C	EXTR/52484	SW846 8270D	SVMS/30787
2318494001	SP01-060118-1415	SW846 3015	MDIG/72074	SW846 6010C	META/62345
2318494001	SP01-060118-1415	SW846 7470A	MDIG/72076	SW846 7470A	META/62354

ALS Environmental Chain of C

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2318494

Contact: Brady Kalkman

Project Number: R1805051
Project Manager: Brady Kalkman
QAP: LAB QAP

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	Ag TCLP 6010C	As TCLP 6010C	Ba TCLP 6010C	Cd TCLP 6010C	Cr TCLP 6010C	Hg TCLP 7470A	Pb TCLP 6010C	Se TCLP 6010C	SVO TCLP 8270D
~~R1805051-001~~	SP01-060118-1415	2	Soil	6/1/18	1415	Middletown ALS	X	X	X	X	X	X	X	X	X

	Y	N	Initials
Custody Seals Present?			
(if present) Seals Intact?			
Received on Ice?			
COC/Lbls Complete			
Cont in Good Cond?			
Correct Containers?			
Correct Samp Vol?			
Correct Preservation?			
Headspace/Volatiles?			

Cooler Temp: 2 °C
Cooler #:
Therm ID: 402
Ship Carrier: FedEx UPS DHL
Tracking #: 4650 9190 4009

4 DAY TAT per Vanessa

Special Instructions/Comments

NPDES

H - Test is On Hold P - Test is Authorized for Prep Only

Turnaround Requirements

X RUSH (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

___ STANDARD

Requested FAX Date: _____

Requested Report Date: 06/12/18

Report Requirements

___ I. Results Only

X II. Results + QC Summaries

___ III. Results + QC and Calibration Summaries

___ IV. Data Validation Report with Raw Data

PQL/MDL/J EDD N

Equis 3.7 HA xeroxWebster

Invoice Information

PO# 58R1805051

Bill to

Relinquished By: 6/4/18 1430

COMMON COURIER / ALS COURIER 6/5/18 842

Received By: 6/11 6/4

COMMON COURIER / ALS COURIER

Airbill Number:

Page 1

							TCLP ZHE EPA 1311	TCLP EPA 1311	VOC TCLP 8260C
R1805051-001	SP01-060118-1415		Soil	6/1/18	1415	Middletown ALS	X	X	X

Monday, June 11, 2018 7:51:06 PM
Page 19 of 19
61 of 61

Ship To: Middletown ALS
ALS Laboratory Group
34 Dogwood Lane
Middletown, PA 17057

PC _____ Date _____

SMO _____ Date _____

Instructions:

Ice _____

Dry Ice _____

No Ice _____

Shipping:

Overnight _____

2nd Day _____

Ground _____

Bill to Client Account _____

Comments:

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report For

Haley & Aldrich

For Lab Project ID

182594

Referencing

129375-002 SID6.1

Prepared

Monday, June 18, 2018

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 182594

Client: **Haley & Aldrich**

Project Reference: 129375-002 SID6.1

Sample Identifier: SP02-060818-1445
Lab Sample ID: 182594-01 **Date Sampled:** 6/8/2018
Matrix: Soil **Date Received:** 6/8/2018

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.26	ug/Kg		6/12/2018 19:11
1,1,2,2-Tetrachloroethane	< 7.26	ug/Kg		6/12/2018 19:11
1,1,2-Trichloroethane	< 7.26	ug/Kg		6/12/2018 19:11
1,1-Dichloroethane	< 7.26	ug/Kg		6/12/2018 19:11
1,1-Dichloroethene	< 7.26	ug/Kg		6/12/2018 19:11
1,2,3-Trichlorobenzene	< 18.2	ug/Kg		6/12/2018 19:11
1,2,4-Trichlorobenzene	< 18.2	ug/Kg		6/12/2018 19:11
1,2-Dibromo-3-Chloropropane	< 36.3	ug/Kg		6/12/2018 19:11
1,2-Dibromoethane	< 7.26	ug/Kg		6/12/2018 19:11
1,2-Dichlorobenzene	< 7.26	ug/Kg		6/12/2018 19:11
1,2-Dichloroethane	< 7.26	ug/Kg		6/12/2018 19:11
1,2-Dichloropropane	< 7.26	ug/Kg		6/12/2018 19:11
1,3-Dichlorobenzene	< 7.26	ug/Kg		6/12/2018 19:11
1,4-Dichlorobenzene	< 7.26	ug/Kg		6/12/2018 19:11
1,4-dioxane	< 72.6	ug/Kg		6/12/2018 19:11
2-Butanone	< 36.3	ug/Kg		6/12/2018 19:11
2-Hexanone	< 18.2	ug/Kg		6/12/2018 19:11
4-Methyl-2-pentanone	< 18.2	ug/Kg		6/12/2018 19:11
Acetone	< 36.3	ug/Kg		6/12/2018 19:11
Benzene	< 7.26	ug/Kg		6/12/2018 19:11
Bromochloromethane	< 18.2	ug/Kg		6/12/2018 19:11
Bromodichloromethane	< 7.26	ug/Kg		6/12/2018 19:11
Bromoform	< 18.2	ug/Kg		6/12/2018 19:11
Bromomethane	< 7.26	ug/Kg		6/12/2018 19:11
Carbon disulfide	< 7.26	ug/Kg		6/12/2018 19:11
Carbon Tetrachloride	< 7.26	ug/Kg		6/12/2018 19:11
Chlorobenzene	< 7.26	ug/Kg		6/12/2018 19:11
Chloroethane	< 7.26	ug/Kg		6/12/2018 19:11
Chloroform	< 7.26	ug/Kg		6/12/2018 19:11

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 182594

Client: **Haley & Aldrich**

Project Reference: 129375-002 SID6.1

Sample Identifier: SP02-060818-1445
Lab Sample ID: 182594-01 **Date Sampled:** 6/8/2018
Matrix: Soil **Date Received:** 6/8/2018

Chloromethane	< 7.26	ug/Kg	6/12/2018	19:11
cis-1,2-Dichloroethene	< 7.26	ug/Kg	6/12/2018	19:11
cis-1,3-Dichloropropene	< 7.26	ug/Kg	6/12/2018	19:11
Cyclohexane	< 36.3	ug/Kg	6/12/2018	19:11
Dibromochloromethane	< 7.26	ug/Kg	6/12/2018	19:11
Dichlorodifluoromethane	< 7.26	ug/Kg	6/12/2018	19:11
Ethylbenzene	< 7.26	ug/Kg	6/12/2018	19:11
Freon 113	< 7.26	ug/Kg	6/12/2018	19:11
Isopropylbenzene	< 7.26	ug/Kg	6/12/2018	19:11
m,p-Xylene	< 7.26	ug/Kg	6/12/2018	19:11
Methyl acetate	< 7.26	ug/Kg	6/12/2018	19:11
Methyl tert-butyl Ether	< 7.26	ug/Kg	6/12/2018	19:11
Methylcyclohexane	< 7.26	ug/Kg	6/12/2018	19:11
Methylene chloride	< 18.2	ug/Kg	6/12/2018	19:11
o-Xylene	< 7.26	ug/Kg	6/12/2018	19:11
Styrene	< 18.2	ug/Kg	6/12/2018	19:11
Tetrachloroethene	< 7.26	ug/Kg	6/12/2018	19:11
Toluene	< 7.26	ug/Kg	6/12/2018	19:11
trans-1,2-Dichloroethene	< 7.26	ug/Kg	6/12/2018	19:11
trans-1,3-Dichloropropene	< 7.26	ug/Kg	6/12/2018	19:11
Trichloroethene	< 7.26	ug/Kg	6/12/2018	19:11
Trichlorofluoromethane	< 7.26	ug/Kg	6/12/2018	19:11
Vinyl chloride	< 7.26	ug/Kg	6/12/2018	19:11

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 182594

Client: **Haley & Aldrich**

Project Reference: 129375-002 SID6.1

Sample Identifier: SP02-060818-1445
Lab Sample ID: 182594-01 **Date Sampled:** 6/8/2018
Matrix: Soil **Date Received:** 6/8/2018

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**113**	77.3 - 129		6/12/2018 19:11
4-Bromofluorobenzene	**77.4**	71 - 123		6/12/2018 19:11
Pentafluorobenzene	**87.7**	85.1 - 110		6/12/2018 19:11
Toluene-D8	**91.5**	82.7 - 112		6/12/2018 19:11

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x51575.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 182594

Client: **Haley & Aldrich**

Project Reference: 129375-002 SID6.1

Sample Identifier: SP02-060818-1445
Lab Sample ID: 182594-01A **Date Sampled:** 6/8/2018
Matrix: TCLP Extract **Date Received:** 6/8/2018

TCLP Mercury

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Mercury	< 0.00200	mg/L	0.2		6/13/2018 13:50

Method Reference(s): EPA 7470A
EPA 1311
Preparation Date: 6/12/2018
Data File: Hg180613A

TCLP RCRA Metals (ICP)

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Arsenic	< 0.100	mg/L	5		6/14/2018 20:51
Barium	< 0.500	mg/L	100		6/14/2018 20:51
Cadmium	< 0.0250	mg/L	1		6/14/2018 20:51
Chromium	< 0.0500	mg/L	5		6/14/2018 20:51
Lead	< 0.100	mg/L	5		6/14/2018 20:51
Selenium	< 0.100	mg/L	1		6/14/2018 20:51
Silver	< 0.0500	mg/L	5		6/14/2018 20:51

Method Reference(s): EPA 6010C
EPA 1311 / 3005A
Preparation Date: 6/13/2018
Data File: 180614B

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		6/13/2018 19:24
1,2-Dichloroethane	< 20.0	ug/L	500		6/13/2018 19:24
2-Butanone	< 100	ug/L	200000		6/13/2018 19:24
Benzene	< 20.0	ug/L	500		6/13/2018 19:24
Carbon Tetrachloride	< 20.0	ug/L	500		6/13/2018 19:24
Chlorobenzene	< 20.0	ug/L	100000		6/13/2018 19:24
Chloroform	< 20.0	ug/L	6000		6/13/2018 19:24
Tetrachloroethene	< 20.0	ug/L	700		6/13/2018 19:24
Trichloroethene	< 20.0	ug/L	500		6/13/2018 19:24

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 182594

Client: **Haley & Aldrich**

Project Reference: 129375-002 SID6.1

Sample Identifier: SP02-060818-1445
Lab Sample ID: 182594-01A **Date Sampled:** 6/8/2018
Matrix: TCLP Extract **Date Received:** 6/8/2018

Vinyl chloride	< 20.0	ug/L	200		6/13/2018 19:24

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**114**	77.2 - 121		6/13/2018 19:24
4-Bromofluorobenzene	**79.2**	70 - 123		6/13/2018 19:24
Pentafluorobenzene	**90.9**	85.4 - 110		6/13/2018 19:24
Toluene-D8	**97.8**	83.8 - 112		6/13/2018 19:24

Method Reference(s): EPA 8260C
EPA 1311 / 5030C
Data File: x51609.D

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 2

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC

REPORT TO:				INVOICE TO:				LAB PROJECT ID
CLIENT: Hurley & Aldrich				CLIENT: Accounts Payable				182594
ADDRESS: 200 Town Centre Drive				ADDRESS:				Quotation #:
CITY: Rochester	STATE: NY	ZIP: 14623		CITY:	STATE:	ZIP:		
PHONE: 585-321-4262				PHONE:				Email:
ATTN: Mark Ramsdell				ATTN:				

PROJECT REFERENCE: 129375-002 SID6.1

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS: RCRA8TCLPMetals; TCL VOC's; TCLP VOC's

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	REMARKS	PARADIGM LAB SAMPLE NUMBER		
1	6/8/18	1445	X		SP02-060818-1445	SO	4	8oz-TCLP Metals, 4oz-TCLP VOCs 2-2oz-TCL VOC's	C	1	A
2											
3											
4								A for TCLP extract. CP 6/8/18			
5											
6											
7											
8											
9											
10											

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	
Rush 2 day		Category B			
Rush 1 day					
Other please indicate:		Other please indicate:		Other EDD please indicate:	

Sampled By	6/8/18 16:00	Total Cost:
Relinquished By	6/8/18 16:15	
Received By	6/8/18 16:15	P.I.F.
Received @ Lab By	6/8/18 16:29	

Date/Time

10 °C iced started in field 6/8/18 16:15

Chain of Custody Supplement

Client: Haley & Aldrich **Completed by:** Glenn Pezzulo

Lab Project ID: 182594 **Date:** 6/8/18

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X metals
Comments	10 °C iced started in field		
Sufficient Sample Quantity	X		
Comments			

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers: Brewer, ME 04412 — Portsmouth, NH 03801 — Mahwah, NJ 07430 — Albany, NY 12205 — Tonawanda, NY 14150 — Holmes, PA 19043

Page 1 of 1

Date Rec'd in Lab: 1/16/19

ALPHA Job #: L1901903

Project Information
- Project Name: TRENCH
- Project Location: 711 North Ave.
- Project #: 129375-004
- (Use Project name as Project #) ☐
- Project Manager: MARK RAMSDELL
- ALPHAQuote #:

Turn-Around Time
- Standard ☒ — Due Date:
- Rush (only if pre approved) ☐ — # of Days:

H&A Information
- H&A Client: CooperVision
- H&A Address: 200 Town Centre Dive. Roc. NY 14623
- H&A Phone: (585) 370-6597
- H&A Fax:
- H&A Email: MRamsdell@HaleyAldrich.com

Deliverables
- ☒ Email ☐ Fax
- ☐ EQuIS (1 File) ☐ EQuIS (4 File)
- ☐ Other:

Regulatory Requirements (Program/Criteria)

Note: Select State from menu & identify criteria.

Billing Information
- ☐ Same as Client Info
- PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
- ☐ NJ ☐ NY
- ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

1 Sample = 2 Jars. - 2 oz Jar - VOCs - 4oz Jar - Metals

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	Depth	ANALYSIS: VOCs 8260	ANALYSIS: TCLP Metals	Sample Filtration / Preservation	Total Bottles	Sample Specific Comments
01963-01	TRENCH-011419-1530	1-14-19	1530	Soil	MC	6"	X	X			
	~~TRENCH-011419-1545~~	~~1-14-19~~	~~1545~~	~~Soil~~							

ANALYSIS

Sample Filtration
- ☐ Done
- ☐ Lab to do

Preservation
- ☐ Lab to do

(Please Specify below)

Container Type	A	G						
Preservative	A	A						

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1/15/19 1400	[signature] NAL	15Jan201917:00
[signature] NAL	15Jan201917:00	[signature]	1/16/19 0135

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# 2019-22-Alpha Analytical by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and Alpha Analytical.

Document ID: 20455 Rev 3 (1/7/2019)

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Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Alpha Job Number : L1918087

Received : 01-MAY-2019
Reviewer : Ryan Morrissey

Account Name : Haley & Aldrich
Project Number : 129375-006
Project Name : COOPERVISION PHASE II TRENCH

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.8	

Condition Information

1) All samples on COC received? **YES**

2) Extra samples received? **NO**

3) Are there any sample container discrepancies? **YES**
L1918087-01A (NYTCL-8260) was received in inappropriate container.

4) Are there any discrepancies between sample labels & COC? **NO**

5) Are samples in appropriate containers for requested analysis? **NO**
Please refer to information noted in Question 3 above.

6) Are samples properly preserved for requested analysis? **YES**

7) Are samples within holding time for requested analysis? **YES**

8) All sampling equipment returned? **NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client? **NO**

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
May 07 2019, 12:01 pm

Login Number: L1918087
Account: HALEY-NY Haley & AldrichProject: 129375-006
Received: 01MAY19 Due Date: 07MAY19

Sample #	Client ID	Mat	PR	Collected
L1918087-01	4527-050119-1430	3 S0		01MAY19 14:30

PREPC:METALS Full Narration required ASP-A Package Due Date: 05/07/19

ASP-A,NYTCL-8260-R2,TCLP-RCRA8,AG-CI,AS-CI,BA-CI,CD-CI,CR-CI,HG-C,PB-CI,PREPC,SE-CI,TS

Logged By: Karyn Raymond

CHAIN OF CUSTODY

ALPHA ANALYTICAL — Member Clean Harbors

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers: Brewer, ME 04412 — Portsmouth, NH 03801 — Mahwah, NJ 07430 — Albany, NY 12205 — Tonawanda, NY 14150 — Holmes, PA 19043

Page of

Date Rec'd in Lab: 5/2/19

ALPHA Job #: L1918087

H&A Information

H&A Client: CooperVision

H&A Address: 200 TownCentre Dr Roch NY 14623

H&A Phone: 585 321 4242

H&A Fax: —

H&A Email: mramsdell@haleyaldrich.com

Project Information

Project Name: CooperVision Phase II Trench

Project Location: NY

Project # 129375-0016

(Use Project name as Project #) ☐

Project Manager: Mark Ramsdell

ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:

Rush (only if pre approved) ☐ # of Days:

Deliverables

☒ Email ☐ Fax ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other:

Billing Information

☐ Same as Client Info

PO #

Regulatory Requirements (Program/Criteria)

Note: Select State from menu & identify criteria.

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility: ☐ NJ ☐ NY ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please send report to Smckenna@haleyaldrich.com
ASP A deliverable

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	Depth	ANALYSIS: VOCs (8260)	TCLP Metals	Sample Filtration / Preservation	Total Bottles
18087-01	4527-050119-1430	5/1/19	1430	Soil	SM		X	X		

Container Type: G G

Preservative: A A

Sample Filtration: ☐ Done ☐ Lab to do

Preservation: ☐ Lab to do

(Please Specify below)

Sample Specific Comments

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/1/19 15:00	JM AL AAL	5/01/19 15:00
JM AL AAL	5/1/19 17:0	[signature]	5/2/19 01:25

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# 2019-22-Alpha Analytical by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and Alpha Analytical.

Document ID: 20455 Rev 3 (1/7/2019)

Organics

Volatiles Data

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Haley & Aldrich	**Lab Number**	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	**Project Number**	: 129375-006
Lab ID	: L1918087-01	**Date Collected**	: 05/01/19 14:30
Client ID	: 4527-050119-1430	**Date Received**	: 05/01/19
Sample Location	: NY	**Date Analyzed**	: 05/04/19 09:22
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AD
Lab File ID	: V10190504A07	**Instrument ID**	: VOA110
Sample Amount	: 5.2 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 93
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.2	2.4	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.15	U
67-66-3	Chloroform	ND	1.6	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.24	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	U
127-18-4	Tetrachloroethene	ND	0.52	0.20	U
108-90-7	Chlorobenzene	ND	0.52	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.1	0.72	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.52	0.17	U
75-27-4	Bromodichloromethane	ND	0.52	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.28	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.52	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.52	0.16	U
75-25-2	Bromoform	ND	4.1	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.52	0.17	U
71-43-2	Benzene	ND	0.52	0.17	U
108-88-3	Toluene	ND	1.0	0.56	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.1	0.96	U
74-83-9	Bromomethane	ND	2.1	0.60	U
75-01-4	Vinyl chloride	ND	1.0	0.35	U
75-00-3	Chloroethane	ND	2.1	0.47	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Haley & Aldrich	Lab Number	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	Project Number	: 129375-006
Lab ID	: L1918087-01	Date Collected	: 05/01/19 14:30
Client ID	: 4527-050119-1430	Date Received	: 05/01/19
Sample Location	: NY	Date Analyzed	: 05/04/19 09:22
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V10190504A07	Instrument ID	: VOA110
Sample Amount	: 5.2 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 93
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	ND	1.0	0.25	U
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.14	U
79-01-6	Trichloroethene	0.22	0.52	0.14	J
95-50-1	1,2-Dichlorobenzene	ND	2.1	0.15	U
541-73-1	1,3-Dichlorobenzene	ND	2.1	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.1	0.18	U
1634-04-4	Methyl tert butyl ether	ND	2.1	0.21	U
179601-23-1	p/m-Xylene	ND	2.1	0.58	U
95-47-6	o-Xylene	ND	1.0	0.30	U
1330-20-7	Xylenes, Total	ND	1.0	0.30	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.95	U
67-64-1	Acetone	17	10	5.0	
75-15-0	Carbon disulfide	ND	10	4.7	U
78-93-3	2-Butanone	ND	10	2.3	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.1	0.21	U
106-93-4	1,2-Dibromoethane	ND	1.0	0.29	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.1	0.12	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.1	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Haley & Aldrich	**Lab Number**	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	**Project Number**	: 129375-006
Lab ID	: L1918087-01	**Date Collected**	: 05/01/19 14:30
Client ID	: 4527-050119-1430	**Date Received**	: 05/01/19
Sample Location	: NY	**Date Analyzed**	: 05/04/19 09:22
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AD
Lab File ID	: V10190504A07	**Instrument ID**	: VOA110
Sample Amount	: 5.2 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 93
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.1	0.67	U
103-65-1	n-Propylbenzene	ND	1.0	0.18	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.1	0.33	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.1	0.28	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.1	0.20	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.1	0.34	U
79-20-9	Methyl Acetate	17	4.1	0.98	
110-82-7	Cyclohexane	ND	10	0.56	U
123-91-1	1,4-Dioxane	ND	83	36.	U
76-13-1	Freon-113	ND	4.1	0.72	U
108-87-2	Methyl cyclohexane	ND	4.1	0.62	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Haley & Aldrich	Lab Number	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	Project Number	: 129375-006
Lab ID	: WG1233822-5	Date Collected	: NA
Client ID	: WG1233822-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/04/19 08:30
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V10190504A05	Instrument ID	: VOA110
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U
75-00-3	Chloroethane	ND	2.0	0.45	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Haley & Aldrich	Lab Number	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	Project Number	: 129375-006
Lab ID	: WG1233822-5	Date Collected	: NA
Client ID	: WG1233822-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/04/19 08:30
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V10190504A05	Instrument ID	: VOA110
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Haley & Aldrich	**Lab Number**	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	**Project Number**	: 129375-006
Lab ID	: WG1233822-5	**Date Collected**	: NA
Client ID	: WG1233822-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 05/04/19 08:30
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V10190504A05	**Instrument ID**	: VOA110
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
79-20-9	Methyl Acetate	ND	4.0	0.95	U
110-82-7	Cyclohexane	ND	10	0.54	U
123-91-1	1,4-Dioxane	ND	80	35.	U
76-13-1	Freon-113	ND	4.0	0.69	U
108-87-2	Methyl cyclohexane	ND	4.0	0.60	U

Metals

Inorganic Data
(ICP Analysis)

Form 1
METALS

Client	: Haley & Aldrich	Lab Number	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	Project Number	: 129375-006
Lab ID	: L1918087-01	Date Collected	: 05/01/19 14:30
Client ID	: 4527-050119-1430	Date Received	: 05/01/19
Sample Location	: NY	Date Analyzed	: 05/06/19 15:42
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: AB
Lab File ID	: FF.txt_icap.txt	Instrument ID	: TRACE6
Sample Amount	: 5ml	%Solids	: 93
Digestion Method	: EPA 3015	Date Digested	: 05/06/19
		Date Extracted	: 05/03/19

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-38-2	Arsenic, TCLP	ND	1.00	0.019	U
7440-39-3	Barium, TCLP	0.712	0.500	0.021	
7440-43-9	Cadmium, TCLP	ND	0.100	0.010	U
7440-47-3	Chromium, TCLP	ND	0.200	0.021	U
7439-92-1	Lead, TCLP	ND	0.500	0.027	U
7782-49-2	Selenium, TCLP	ND	0.500	0.035	U
7440-22-4	Silver, TCLP	ND	0.100	0.028	U

Form 1
METALS

Client	: Haley & Aldrich	Lab Number	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	Project Number	: 129375-006
Lab ID	: WG1233982-1	Date Collected	: NA
Client ID	: WG1233982-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/06/19 14:44
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: AB
Lab File ID	: FF.txt_icap.txt	Instrument ID	: TRACE6
Sample Amount	: 5ml	%Solids	: NA
Digestion Method	: EPA 3015	Date Digested	: 05/06/19
		Date Extracted	: 05/03/19

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-38-2	Arsenic, TCLP	ND	1.00	0.019	U
7440-39-3	Barium, TCLP	0.022	0.500	0.021	J
7440-43-9	Cadmium, TCLP	ND	0.100	0.010	U
7440-47-3	Chromium, TCLP	ND	0.200	0.021	U
7439-92-1	Lead, TCLP	ND	0.500	0.027	U
7782-49-2	Selenium, TCLP	ND	0.500	0.035	U
7440-22-4	Silver, TCLP	ND	0.100	0.028	U

Form 1
METALS

Client	: Haley & Aldrich	**Lab Number**	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	**Project Number**	: 129375-006
Lab ID	: WG1233982-4	**Date Collected**	: 05/01/19 14:30
Client ID	: 4527-050119-1430DUP	**Date Received**	: 05/01/19
Sample Location	:	**Date Analyzed**	: 05/06/19 15:51
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,6010D	**Analyst**	: AB
Lab File ID	: FF.txt_icap.txt	**Instrument ID**	: TRACE6
Sample Amount	: 5ml	**%Solids**	: 93
Digestion Method	: EPA 3015	**Date Digested**	: 05/06/19

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-38-2	Arsenic, TCLP	0.023	1.00	0.019	J
7440-39-3	Barium, TCLP	0.725	0.500	0.021	
7440-43-9	Cadmium, TCLP	ND	0.100	0.010	U
7440-47-3	Chromium, TCLP	ND	0.200	0.021	U
7439-92-1	Lead, TCLP	ND	0.500	0.027	U
7782-49-2	Selenium, TCLP	ND	0.500	0.035	U
7440-22-4	Silver, TCLP	ND	0.100	0.028	U

Inorganic Data
(Mercury Analysis)

Form 1
METALS

Client	: Haley & Aldrich	Lab Number	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	Project Number	: 129375-006
Lab ID	: L1918087-01	Date Collected	: 05/01/19 14:30
Client ID	: 4527-050119-1430	Date Received	: 05/01/19
Sample Location	: NY	Date Analyzed	: 05/06/19 17:58
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7470A	Analyst	: GD
Lab File ID	: HG050619ACOPY	Instrument ID	: FIMS4
Sample Amount	: 5ml	%Solids	: 93
Digestion Method	: EPA 7470A	Date Digested	: 05/06/19
		Date Extracted	: 05/03/19

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, TCLP	ND	0.0010	0.0005	U

Form 1
METALS

Client	: Haley & Aldrich	Lab Number	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	Project Number	: 129375-006
Lab ID	: WG1233988-1	Date Collected	: NA
Client ID	: WG1233988-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/06/19 17:54
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7470A	Analyst	: GD
Lab File ID	: HG050619ACOPY	Instrument ID	: FIMS4
Sample Amount	: 5ml	%Solids	: NA
Digestion Method	: EPA 7470A	Date Digested	: 05/06/19
		Date Extracted	: 05/03/19

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, TCLP	ND	0.0010	0.0005	U

Form 1
METALS

Client	: Haley & Aldrich	Lab Number	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	Project Number	: 129375-006
Lab ID	: WG1233988-4	Date Collected	: 05/01/19 14:30
Client ID	: 4527-050119-1430DUP	Date Received	: 05/01/19
Sample Location	:	Date Analyzed	: 05/06/19 18:01
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7470A	Analyst	: GD
Lab File ID	: HG050619ACOPY	Instrument ID	: FIMS4
Sample Amount	: 5ml	%Solids	: 93
Digestion Method	: EPA 7470A	Date Digested	: 05/06/19

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, TCLP	ND	0.0010	0.0005	U

Wet Chemistry

Total Solids / Percent Moisture Analysis

Results

Form 1
WETCHEM

Client	: Haley & Aldrich	**Lab Number**	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	**Project Number**	: 129375-006
Lab ID	: L1918087-01	**Date Collected**	: 05/01/19 14:30
Client ID	: 4527-050119-1430	**Date Received**	: 05/01/19
Sample Location	: NY	**Date Analyzed**	: 05/02/19 11:14
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1232843.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 93
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**92.6**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: Haley & Aldrich	**Lab Number**	: L1918087
Project Name	: COOPERVISION PHASE II TRENCH	**Project Number**	: 129375-006
Lab ID	: WG1232843-1	**Date Collected**	: 05/01/19 08:15
Client ID	: WG1232843-1 DUP	**Date Received**	: 05/01/19
Sample Location	:	**Date Analyzed**	: 05/02/19 11:14
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1232843.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 94
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**93.7**	**0.100**	**NA**	

ALPCO RECYCLING INC
SCALE TICKET

846 MACEDON CENTER ROAD MACEDON NY 14502 TEL: 315-986-8900

DATE: 2/8/2019 TIME: 7:26:42 AM Ticket # MANUAL:
TICKET NUMBER: 19001843

BUYER/SHIPPED TO: ALPCO RECYCLING INC.

HAULER/CARRIER: RICCELLI TRUCKING

SELLER/SHIPPED FROM: SCOTTSVILLE

TRUCK/TRACTOR NO RT-20 TRAILER/BOX N O/T

COUNTY MONROE Truck Status:

MATERIAL/LOAD HARD FILL

NOTES

GROSS	47,740
TARE	39,320
NET	8,420
TONS	4.21
WEIGHER	TR

SIGNATURE SP

WASTE MANAGEMENT

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

Original
Ticket# 1226131

Customer Name LGEVANSINC-119193NY LG EVANS Carrier SWAN EQUIPMENT
Ticket Date 06/19/2018 Vehicle# 17 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 00074
State Waste Code Gen EPA ID NOT RE
Manifest na Grid CELL 12E
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605- 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

	Time	Scale	Operator	Inbound		
In	06/19/2018 14:09	A_Scale_1	MM #260133		Gross	71760 lb
Out	06/19/2018 14:09		MM #260133		Tare	25640 lb
					Net	46120 lb
					Tons	23.06

Comments

	Product	LD%	Qty	UOM	Rate	F	Amount	Origin
1	Cont Soil RCG-Tons	100	23.06	Tons				MON
2	EVF-P-Standard Env	100		%				
3	RCR-P-Regulatory C	100		%				
4	LFS4-LANDFILL FIXE	100		%				

Total

Driver's Signature_____

404WM

SWAN Equipment & Trucking, LLC

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
Mailing Address: 1823 Lakeville Rd.
City/State/Zip: Avon NY. 14414
Phone No.: (585) 226 2240

Landfill Profile No. 19193 NY

Description of Waste: Construction ~~Waste~~ 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.

Generator Authorized Agent Name (Print) | Signature | Shipment Date: 6/19/18

Transporter Name: Swan E+T
Address: 1823 Lakeville Rd.
City/State/Zip: Avon NY. 14414
Phone No.:

Truck No.: SW17
Driver Name: Ricky Torres
Vehicle License No./State: 41067MG
Transporter's US EPA No.: NA-1014

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

Driver Signature | Shipment Date: 6/19/18

Driver Signature | Delivery Date: 6/19/18

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.

SCALE TICKET NUMBER: 1226131 | Signature | Receipt Date: 6-19-18

WASTE MANAGEMENT

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

Original
Ticket# 1226136

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/19/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 17709
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier KIMBALL KIMBALL TRUCKING
Vehicle# EK4 Volume
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A

	Time	Scale	Operator	Inbound		
In	06/19/2018 14:26	A_Scale_1	SD #NoLicense		Gross	73220 lb
Out	06/19/2018 14:26		SD #NoLicense		Tare	28940 lb
					Net	44280 lb
					Tons	22.14

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	22.14	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_____

404WM

High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
(585) 223-6132

Manifest NO 17709
Western Expansion Site Permit No. NYS DEC 8-2644-00048/00021-0
High Acres Site Permit No. NYSDEC 8-2644-00048/00003

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Generator Section

Generator of Waste (must be filled in by producer) Cooper Vision

EPA. ID. NO. NYA 552

Company Address: L G Evans

(Print or Type) 1823 Lakeville Rd Avon NY 14414
(No.) (Street) (City) (State) (Zip)

Pick-up Address: 711 North Ave Scottsville NY 14546
(No.) (Street) (City) (State) (Zip)

Telephone Number: 585 226 2240

Waste Stream Identification: 119193 NY

This manifest represents a non-hazardous waste as per E.P.A. and N.Y.S. D.E.C. regulations

Est Tons: 20 Other (Specify):

Special Handling instructions, if any: None ✓

This is to certify that the above named materials are properly classified, described, packages, marked and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 6/19/18 Signature:
(Name and Title)

Transportation Section

Hauler of Waste (must be filled in by hauler) Kimball Trucking

ADDRESS: 1307 Tyler Rd Webster NY 14580

Pick-up Date: 6-19-18 Truck No. EK-4 Vehicle Lic. No. 93290-MH

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of authorized agent and title Driver Date:

Disposal Facility

Disposer of Waste (must be filled in by the disposer)

Company Name: High Acres Landfill

Site Location: 425 Perinton Parkway Fairport, NY 14450

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on:

Disposal Date: 6/19/18 Total Tons: 22.14 Other (Specify):

Signature of authorized agent and title:

White & Canary - Landfill Pink - Hauler Golden Rod - Generator

WASTE MANAGEMENT

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

Original
Ticket# 1226139

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/19/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest NA
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier KIMBALL KIMBALL TRUCKING
Vehicle# RB33 Volume
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A

	Time	Scale	Operator	Inbound		
In	06/19/2018 14:33	A_Scale_1	SD #NoLicense		Gross	65860 lb
Out	06/19/2018 14:33		SD #NoLicense		Tare	28740 lb
					Net	37120 lb
					Tons	18.56

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	18.56	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_____

404WM

Equipment & Trucking, LLC

SWAN

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 Const.

Mailing Address: 1823 Lakeville Rd.

City/State/Zip: Avon NY. 14414

Phone No.:

Landfill Profile No. 11919 NY

Description of Waste:

Construction + Demolition Debris

Additional Handling Instructions for Material Listed Above:

UNITS	TRUCK #	TYPE
	8	

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
		6/19/19

Transporter Name: Kimball Trucking

Address: 1807 Tabor Rd

City/State/Zip: Webster NY 14580

Phone No.: 585 265 2594

Truck No.: 8053

Driver Name: Richard Francisco

Vehicle License No./State: 95392 MS NY

Transporter's US EPA No.:

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
Richard Francisco		Richard Francisco	

Facility Name: HALF

Address: 425 Pennton Pkwy City/State/Zip: Fairport NY

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

SCALE TICKET NUMBER	Signature	Receipt Date
1226139		6/19/19

SWAN Equipment & Trucking, LLC

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 Const.

Mailing Address: 1623 Lakeville Rd

City/State/Zip: Avon NY 14414

Phone No.:

Landfill Profile No. 11919 NY

Description of Waste:

Construction + Demolition Debris

Additional Handling Instructions for Material Listed Above:

UNITS	TRUCK #	TYPE
	10	

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: 6/19/19

Transporter Name: Kimball Tyrrell

Address: 1807 Tabor Rd

City/State/Zip: Webster NY 14580

Phone No.: 585 265 2594

Richard Francisco

Driver Signature | Shipment Date

Truck No.: 8052

Driver Name: Richard Francisco

Vehicle License No./State: 95392 MS NY

Transporter's US EPA No.:

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

Richard Francisco

Driver Signature | Delivery Date

Facility Name: HAC

Address: 425 Pennton Pkwy City/State/Zip: Fairport NY

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

1226139 | | 6/19/19

SCALE TICKET NUMBER | Signature | Receipt Date

WASTE MANAGEMENT

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

Original
Ticket# 1226860

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/22/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 17785
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier KIMBALL KIMBALL TRUCKING
Vehicle# RB33 Volume
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A

	Time	Scale	Operator	Inbound		
In	06/22/2018 10:17	A_Scale_1	SD #NoLicense		Gross	67460 lb
Out	06/22/2018 10:17		SD #NoLicense		Tare	28740 lb
					Net	38720 lb
					Tons	19.36

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	19.36	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_____

404WM

High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
(585) 223-6132

Manifest NO 17785
Western Expansion Site Permit No. NYS DEC 8-2644-00048/00021-0
High Acres Site Permit No. NYSDEC 8-2644-00048/00003

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Generator Section

Generator of Waste (must be filled in by producer) Cooper Vision LA Evans EPA. ID. NO. 8A552

Company Address:
(Print or Type) 1823 Lakeville Rd Avon NY 14414
(No.) (Street) (City) (State) (Zip)

Pick-up Address: 711 North Ave Scottsville NY 14546
(No.) (Street) (City) (State) (Zip)

Telephone Number: 585 226 2240

Waste Stream Identification: 119193 NY

This manifest represents a non-hazardous waste as per E.P.A. and N.Y.S. D.E.C. regulations

Est Tons: 20 Other (Specify):

Special Handling instructions, if any: None ✓

This is to certify that the above named materials are properly classified, described, packages, marked and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 6 22 18 Signature: N T R
(Name and Title)

Transportation Section

Hauler of Waste (must be filled in by hauler)

ADDRESS: 1807 Tebor Rd Webster NY 14580

Pick-up Date: 6 22 18 Truck No. RB 33 Vehicle Lic. No. 95392 MS NY

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of authorized agent and title Date:

Disposal Facility

Disposer of Waste (must be filled in by the disposer)
Company Name: High Acres Landfill
Site Location: 425 Perinton Parkway Fairport, NY 14450

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on:

Disposal Date: 6/22 Total Tons: 19.36 Other (Specify):

Signature of authorized agent and title:

White & Canary - Landfill Pink - Hauler Golden Rod - Generator

WASTE MANAGEMENT

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

Original
Ticket# 1226701

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/22/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 17784
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier KIMBALL KIMBALL TRUCKING
Vehicle# RB33
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A

	Time	Scale	Operator	Inbound		
In	06/22/2018 08:26	A_Scale_1	SD #NoLicense		Gross	66680 lb
Out	06/22/2018 08:26		SD #NoLicense		Tare	28740 lb
					Net	37940 lb
					Tons	18.97

Volume

Comments

	Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	18.97	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_____

404WM

High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
(585) 223-6132

Manifest NO 17784
Western Expansion Site Permit No. NYS DEC 8-2644-00048/00021-0
High Acres Site Permit No. NYSDEC 8-2644-00048/00003

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Generator Section

Generator of Waste (must be filled in by producer) Cooper Vision
LG Evens EPA. ID. NO. NA 552

Company Address:
(Print or Type) 1823 Lakeville Rd Avon NY 14414
(No.) (Street) (City) (State) (Zip)

Pick-up Address: 711 North Ave Scottsville NY 14546
(No.) (Street) (City) (State) (Zip)

Telephone Number: 585 226 2249

Waste Stream Identification: 11993 NY

This manifest represents a non-hazardous waste as per E.P.A. and N.Y.S. D.E.C. regulations

Est Tons: 20 Other (Specify):

Special Handling instructions, if any: None ✓

This is to certify that the above named materials are properly classified, described, packages, marked and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 6 22 18 Signature:
(Name and Title)

Transportation Section

Hauler of Waste (must be filled in by hauler) Kimball Trucking
ADDRESS: 1807 Telfer Rd Webster NY 14580

Pick-up Date: 6 22 18 Truck No. RB 33 Vehicle Lic. No. 95392 MS NH

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of authorized agent and title Date:

Disposal Facility

Disposer of Waste (must be filled in by the disposer)
Company Name: High Acres Landfill
Site Location: 425 Perinton Parkway Fairport, NY 14450

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on:

Disposal Date: 6/22/18 Total Tons: 12.97 Other (Specify):
Signature of authorized agent and title: Environmental Analyst SOEC

White & Canary - Landfill Pink - Hauler Golden Rod - Generator

WASTE MANAGEMENT

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

Original
Ticket# 1226895

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/22/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 17769
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier KIMBALL KIMBALL TRUCKING
Vehicle# EK4 Volume
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A

	Time	Scale	Operator	Inbound		
In	06/22/2018 12:06	A_Scale_1	NM #603985		Gross	73100 lb
Out	06/22/2018 12:06		NM #603985		Tare	28940 lb
					Net	44160 lb
					Tons	22.08

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	22.08	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_____

404WM

High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
(585) 223-6132

Manifest NO 17769
Western Expansion Site Permit No. NYS DEC 8-2644-00048/00021-0
High Acres Site Permit No. NYSDEC 8-2644-00048/00003

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Generator Section

Generator of Waste (must be filled in by producer) Cooper Vision
EPA. ID. NO. 8A 552
Company Address: L G Evans
(Print or Type) 1823 Lakeville Rd Avon NY 14414
(No.) (Street) (City) (State) (Zip)
Pick-up Address: 711 North Ave Scottsville NY 14546
(No.) (Street) (City) (State) (Zip)
Telephone Number: 585 226 2240
Waste Stream Identification: 119193 NY

This manifest represents a non-hazardous waste as per E.P.A. and N.Y.S. D.E.C. regulations
Est Tons: 20 Other (Specify):

Special Handling instructions, if any: None ✓

This is to certify that the above named materials are properly classified, described, packages, marked and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.
Date: 6/22/18 Signature:
(Name and Title)

Transportation Section

Hauler of Waste (must be filled in by hauler) Kimball Trucking
ADDRESS: 1807 Tebor Rd Webster NY 14580
Pick-up Date: 6-22-18 Truck No. FK-4 Vehicle Lic. No. 92290 MH
The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of authorized agent and title Date: 6-22-18

Disposal Facility

Disposer of Waste (must be filled in by the disposer)
Company Name: High Acres Landfill
Site Location: 425 Perinton Parkway Fairport, NY 14450

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on:

Disposal Date: 6/22/18 Total Tons: 22.09 Other (Specify):
Signature of authorized agent and title:

White & Canary - Landfill Pink - Hauler Golden Rod - Generator

WASTE MANAGEMENT

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

Original
Ticket# 1226854

Customer Name	LGEVANSINC-119193NY LG EVANS	Carrier	KIMBALL KIMBALL TRUCKING
Ticket Date	06/22/2018	Vehicle#	EK4
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0007410
State Waste Code		Gen EPA ID	NOT REQUIRED
Manifest	17711	Grid	CELL 12A
Destination			
PO	1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007		
Profile	119193NY (SOIL)		
Generator	190-COOPERVISION COOPERVISION		

	Time	Scale	Operator	Inbound		
In	06/22/2018 10:09	A_Scale_1	SD #NoLicense		Gross	70980 lb
Out	06/22/2018 10:09		SD #NoLicense		Tare	28940 lb
					Net	42040 lb
					Tons	21.02

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	21.02	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_____

404WM

High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
(585) 223-6132

Manifest NO 17711
Western Expansion Site Permit No. NYS DEC 8-2644-00048/00021-0
High Acres Site Permit No. NYSDEC 8-2644-00048/00003

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Generator Section

Generator of Waste (must be filled in by producer) Coopers Vision
EPA. ID. NO. NA 552

Company Address: L G Evans
(Print or Type) 1823 Lehoville Rd Avon NY 14414
(No.) (Street) (City) (State) (Zip)

Pick-up Address: 711 North Ave Scottsville NY 14546
(No.) (Street) (City) (State) (Zip)

Telephone Number: 585 226 7240

Waste Stream Identification: 119 193 NY

This manifest represents a non-hazardous waste as per E.P.A. and N.Y.S. D.E.C. regulations

Est Tons: 20 Other (Specify):

Special Handling instructions, if any: None

This is to certify that the above named materials are properly classified, described, packages, marked and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 6/22/18 Signature:
(Name and Title)

Transportation Section

Hauler of Waste (must be filled in by hauler) Kimball Trucking
ADDRESS: 1807 Tebor Rd Webster NY 14580
Pick-up Date: 6-22-18 Truck No. EK-4 Vehicle Lic. No. 93750 MH

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of authorized agent and title Date: 6 22-18

Disposal Facility

Disposer of Waste (must be filled in by the disposer)
Company Name: High Acres Landfill
Site Location: 425 Perinton Parkway Fairport, NY 14450

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on:

Disposal Date: 6/22/18 Total Tons: 21.02 Other (Specify):
Signature of authorized agent and title:

White & Canary - Landfill Pink - Hauler Golden Rod - Generator

WASTE MANAGEMENT

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

Original
Ticket# 1226698

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/22/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 17710
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier KIMBALL KIMBALL TRUCKING
Vehicle# EK4 Volume
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A

	Time	Scale	Operator	Inbound		
In	06/22/2018 08:16	A_Scale_1	SD #NoLicense		Gross	66460 lb
Out	06/22/2018 08:16		SD #NoLicense		Tare	28940 lb
					Net	37520 lb
					Tons	18.76

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	18.76	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_____

404WM

High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
(585) 223-6132

Manifest NO 17710
Western Expansion Site Permit No. NYS DEC 8-2644-00048/00021-0
High Acres Site Permit No. NYSDEC 8-2644-00048/00003

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Generator Section

Generator of Waste (must be filled in by producer) Cooper Vision EPA. ID. NO. 8A552

Company Address: LG Evans
(Print or Type) 1823 Lakeville Rd Avon NY 14414
(No.) (Street) (City) (State) (Zip)

Pick-up Address: 711 North Ave Scottsville NY 14546
(No.) (Street) (City) (State) (Zip)

Telephone Number: 585 726 2240

Waste Stream Identification: 119193 NY

This manifest represents a non-hazardous waste as per E.P.A. and N.Y.S. D.E.C. regulations

Est Tons: 20 Other (Specify): _____

Special Handling instructions, if any: _____ None ✓

This is to certify that the above named materials are properly classified, described, packages, marked and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 6/22/18 Signature: _____
(Name and Title)

Transportation Section

Hauler of Waste (must be filled in by hauler) Kimball Trucking

ADDRESS: 1807 Tebo Rd Webster NY 14580

Pick-up Date: 6-22-18 Truck No. EK-4 Vehicle Lic. No. 93290 MH

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of authorized agent and title _____ Driver Date: 6-22-18

Disposal Facility

Disposer of Waste (must be filled in by the disposer)
Company Name: High Acres Landfill
Site Location: 425 Perinton Parkway Fairport, NY 14450

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on:

Disposal Date: 6/22/18 Total Tons: 18.76 Other (Specify): _____

Signature of authorized agent and title: Smyrna Outlaw GS-SPEC

White & Canary - Landfill Pink - Hauler Golden Rod - Generator

WASTE MANAGEMENT

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

Original
Ticket# 1226873

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/22/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 17778
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier KIMBALL KIMBALL TRUCKING
Vehicle# SE10 Volume
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A

	Time	Scale	Operator	Inbound		
In	06/22/2018 10:41	A_Scale_1	SD #NoLicense		Gross	71120 lb
Out	06/22/2018 10:41		SD #NoLicense		Tare	25920 lb
					Net	45200 lb
					Tons	22.60

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	22.60	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_____

High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
(585) 223-6132

Manifest NO 17778
Western Expansion Site Permit No. NYS DEC 8-2644-00048/00021-0
High Acres Site Permit No. NYSDEC 8-2644-00048/00003

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Generator Section

Generator of Waste (must be filled in by producer) Cooper Vision
EPA. ID. NO. RA 552
Company Address: L G Evans
(Print or Type) 1823 Lakeville Rd Avon NY 14414
(No.) (Street) (City) (State) (Zip)
Pick-up Address: 711 North Ave Scottsville NY 14546
(No.) (Street) (City) (State) (Zip)
Telephone Number: 585-726-2240
Waste Stream Identification: 119193 NY

This manifest represents a non-hazardous waste as per E.P.A. and N.Y.S. D.E.C. regulations
Est Tons: 7.0 Other (Specify):

Special Handling instructions, if any: None V

This is to certify that the above named materials are properly classified, described, packages, marked and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.
Date: 6/22/18 Signature:
(Name and Title)

Transportation Section

Hauler of Waste (must be filled in by hauler) Schimpf Enterprise
ADDRESS: 921 Salt Rd Webster NY
Pick-up Date: 6-22-18 Truck No. SE-10 Vehicle Lic. No. 3229-JY
The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of authorized agent and title Paul Schaye Driver Date: 6-22-18

Disposal Facility

Disposer of Waste (must be filled in by the disposer)
Company Name: High Acres Landfill
Site Location: 425 Perinton Parkway Fairport, NY 14450

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on:

Disposal Date: 6/22/18 Total Tons: 22.60 Other (Specify):
Signature of authorized agent and title: Mural Smith - SS Spec

White & Canary - Landfill Pink - Hauler Golden Rod - Generator

WASTE MANAGEMENT

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

Original
Ticket# 1226901

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/22/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 17786
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier KIMBALL KIMBALL TRUCKING
Vehicle# RB33
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A
Volume

	Time	Scale	Operator	Inbound		
In	06/22/2018 12:12	A_Scale_1	NM #603985		Gross	69400 lb
Out	06/22/2018 12:12		NM #603985		Tare	28740 lb
					Net	40660 lb
					Tons	20.33

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	20.33	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_____

High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
(585) 223-6132

Manifest NO 17786
Western Expansion Site Permit No. NYS DEC 8-2644-00048/00021-0
High Acres Site Permit No. NYSDEC 8-2644-00048/00003

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Generator Section

Generator of Waste (must be filled in by producer) Cooper Vision
EPA. ID. NO. NYA552

Company Address:
(Print or Type) 1823 Lakeville Rd Avon NY 14414
(No.) (Street) (City) (State) (Zip)

Pick-up Address: 711 North Ave Scottsville NY 14546
(No.) (Street) (City) (State) (Zip)

Telephone Number: 585 226 2240

Waste Stream Identification: 119193 NY

This manifest represents a non-hazardous waste as per E.P.A. and N.Y.S. D.E.C. regulations

Est Tons: 20 Other (Specify):

Special Handling instructions, if any: None ✓

This is to certify that the above named materials are properly classified, described, packages, marked and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 6 22 18 Signature:
(Name and Title)

Transportation Section

Hauler of Waste (must be filled in by hauler)
ADDRESS: 1807 Labor Rd Webster NY 14580

Pick-up Date: 6 22 18 Truck No. RB 33 Vehicle Lic. No. 95392MS NY

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of authorized agent and title Date:

Disposal Facility

Disposer of Waste (must be filled in by the disposer)
Company Name: High Acres Landfill
Site Location: 425 Perinton Parkway Fairport, NY 14450

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on:

Disposal Date: 6/22/18 Total Tons: 20.33 Other (Specify):
Signature of authorized agent and title:

White & Canary - Landfill Pink - Hauler Golden Rod - Generator

WASTE MANAGEMENT

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

Original
Ticket# 1226702

Customer Name	LGEVANSINC-119193NY LG EVANS	Carrier	KIMBALL KIMBALL TRUCKING
Ticket Date	06/22/2018	Vehicle#	SE10 Volume
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0007410
State Waste Code		Gen EPA ID	NOT REQUIRED
Manifest	17779	Grid	CELL 12A
Destination			
PO	1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007		
Profile	119193NY (SOIL)		
Generator	190-COOPERVISION COOPERVISION		

	Time	Scale	Operator	Inbound		
In	06/22/2018 08:36	A_Scale_1	SD #NoLicense		Gross	62760 lb
Out	06/22/2018 08:49	B_Scale_2	SD #NoLicense		Tare	25920 lb
					Net	36840 lb
					Tons	18.42

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	18.42	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_____

404WM

SE 10

High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
(585) 223-6132

Manifest NO 17779
Western Expansion Site Permit No. NYS DEC 8-2644-00048/00021-0
High Acres Site Permit No. NYSDEC 8-2644-00048/00003

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Generator Section

Generator of Waste (must be filled in by producer) Coopervision
EPA. ID. NO. NA 552
Company Address: c/o Evans
(Print or Type) 1623 Lakeville Rd Avon NY 14414
(No.) (Street) (City) (State) (Zip)
Pick-up Address: 711 North Ave Scottsville NY 14546
(No.) (Street) (City) (State) (Zip)
Telephone Number: 585-226-2240
Waste Stream Identification: 11993 NY

This manifest represents a non-hazardous waste as per E.P.A. and N.Y.S. D.E.C. regulations
Est Tons: _____ Other (Specify): _____

Special Handling instructions, if any: _____ None ✓

This is to certify that the above named materials are properly classified, described, packages, marked and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.
Date: 6/22/18 Signature: _____
(Name and Title)

Transportation Section

Hauler of Waste (must be filled in by hauler) Schimpf Enterprise
ADDRESS: 921 Salt Rd Webster NY
Pick-up Date: 6-22-18 Truck No. SE-10 Vehicle Lic. No. 3229-JY
The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of authorized agent and title Paul Schimpf Driver Date: 6-22-18

Disposal Facility

Disposer of Waste (must be filled in by the disposer)
Company Name: High Acres Landfill
Site Location: 425 Perinton Parkway Fairport, NY 14450

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on:

Disposal Date: 6/22/18 Total Tons: 18.42 Other (Specify): _____
Signature of authorized agent and title: _____

White & Canary - Landfill Pink - Hauler Golden Rod - Generator

WASTE MANAGEMENT

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

Original
Ticket# 1226097

Customer Name	LGEVANSINC-119193NY LG EVANS	Carrier	KIMBALL KIMBALL TRUCKING
Ticket Date	06/19/2018	Vehicle#	EK4
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0007410
State Waste Code		Gen EPA ID	NOT REQUIRED
Manifest	17708	Grid	CELL 12A
Destination			
PO	1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007		
Profile	119193NY (SOIL)		
Generator	190-COOPERVISION COOPERVISION		

	Time	Scale	Operator	Inbound		
In	06/19/2018 12:28	A_Scale_1	MM #260133		Gross	69360 lb
Out	06/19/2018 12:28		MM #260133		Tare	28940 lb
					Net	40420 lb
					Tons	20.21

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	20.21	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_____

404WM

High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
(585) 223-6132

Manifest NO 17708 EK4
Western Expansion Site Permit No. NYS DEC 8-2644-00048/00021-0
High Acres Site Permit No. NYSDEC 8-2644-00048/00003

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Generator Section

Generator of Waste (must be filled in by producer) Cooper Vision

EPA. ID. NO. 8A552

Company Address: LG Evans
(Print or Type) 1823 Lehigh Rd Avon NY 14414
(No.) (Street) (City) (State) (Zip)

Pick-up Address: 711 North Ave Scottsville NY 14546
(No.) (Street) (City) (State) (Zip)

Telephone Number: 585 226 2240

Waste Stream Identification: 119193 NY

This manifest represents a non-hazardous waste as per E.P.A. and N.Y.S. D.E.C. regulations

Est Tons: 20 Other (Specify):

Special Handling instructions, if any: None ✓

This is to certify that the above named materials are properly classified, described, packages, marked and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 6/19/18 Signature:
(Name and Title)

Transportation Section

Hauler of Waste (must be filled in by hauler) Kimball Trucking

ADDRESS: 1807 Tebo Rd Webster NY 14580

Pick-up Date: 6-15-18 Truck No. EK-4 Vehicle Lic. No. 93290-MH

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of authorized agent and title Driver Date: 6-15-18

Disposal Facility

Disposer of Waste (must be filled in by the disposer)
Company Name: High Acres Landfill
Site Location: 425 Perinton Parkway Fairport, NY 14450

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on:

Disposal Date: 6/19/18 Total Tons: Other (Specify):

Signature of authorized agent and title:

White & Canary - Landfill Pink - Hauler Golden Rod - Generator

WASTE MANAGEMENT

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

Original
Ticket# 1226098

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/19/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest NA
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier KIMBALL KIMBALL TRUCKING
Vehicle# RB33 Volume
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A

	Time	Scale	Operator	Inbound
In	06/19/2018 12:35	A_Scale_1	MM #260133	
Out	06/19/2018 12:43	B_Scale_2	SD #NoLicense	

Gross	65620 lb
Tare	28740 lb
Net	36880 lb
Tons	18.44

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	18.44	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_____

404WM

SWAN Equipment & Trucking, LLC

RB 33

NON-HAZARDOUS WASTE MANIFEST

SITE INFORMATION

Generator Name: Copper Vista
Site Address: 711 North Rd
City/State/Zip: Scottsville Rd 14546
Phone No.:

MAILING INFORMATION

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

Landfill Profile No.: 11913

Description of Waste:
Const and Demo 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: Kimball Trucking
Address: 1807 Tabor Rd
City/State/Zip: Webster NY 14580
Phone No.: 585 265 2594

Truck No.: 2055
Driver Name: Richard Francisco
Vehicle License No./State: 95392 MD5 NY

Transporter's US EPA No.:

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

Richard Francisco
Driver Signature | Shipment Date

Richard Francisco
Driver Signature | Delivery Date

Facility Name: High Acres Land Fill
Address: 425 Pennington Pk NY City/State/Zip: Fair Port NY 14450

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

1226099
SCALE TICKET NUMBER

Mary Maloney
Signature

6-19-18
Receipt Date

Scale OP 6-19-18

WASTE MANAGEMENT

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

Original
Ticket# 1226065

Customer Name	LGEVANSINC-119193NY LG EVANS	Carrier	KIMBALL KIMBALL TRUCKING
Ticket Date	06/19/2018	Vehicle#	33
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0007410
State Waste Code		Gen EPA ID	NOT REQUIRED
Manifest	NA	Grid	CELL 12A
Destination			
PO	1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007		
Profile	119193NY (SOIL)		
Generator	190-COOPERVISION COOPERVISION		

	Time	Scale	Operator	Inbound		
In	06/19/2018 10:47	A_Scale_1	SD #NoLicense		Gross	67760 lb
Out	06/19/2018 10:57	B_Scale_2	MM #260133		Tare	28820 lb
					Net	38940 lb
					Tons	19.47

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	19.47	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_____

404WM

SWAN Equipment & Trucking, LLC

33

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 Const
Mailing Address: 1823 Lakeville Rd
City/State/Zip: Avon NY 14414
Phone No.: 585 226 2240

Landfill Profile No.: 119193 NY

Description of Waste: Const. and Demo 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: Kimball Trucking
Address: 1807 Tebor Rd
City/State/Zip: Webster NY 14580
Phone No.: 585 265 2594

Truck No.: 8A552
Driver Name: Richard Francisco
Vehicle License No./State: 95392 MJ NY

Transporter's US EPA No.:

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

Richard Francisco

Driver Signature | Shipment Date

Richard Francisco

Driver Signature | Delivery Date

Facility Name: High ACRES Land Fill
Address: 425 Perinton Pk WY City/State/Zip: Fairport NY 14450

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

6-19-18

SCALE TICKET NUMBER | Signature | Receipt Date

WASTE MANAGEMENT

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

Original
Ticket# 1225943

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/19/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier SWAN EQUIPMENT
Vehicle# rb33
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A

Volume

	Time	Scale	Operator	Inbound		
In	06/19/2018 08:42	A_Scale_1	MM #260133		Gross	63060 lb
Out	06/19/2018 08:55	B_Scale_2	SD #NoLicense		Tare	28880 lb
					Net	34180 lb
					Tons	17.09

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	17.09	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_____

404WM

SWAN Equipment & Trucking, LLC

RB33

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: LG Evans Const
Mailing Address: 1823 Lakeville Rd
City/State/Zip: Avon NY 14414
Phone No.: 585 226 2240

Landfill Profile No.: ~~118345-NY~~ 11919-3-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.

Generator Authorized Agent Name (Print)	Signature	Shipment Date
		6/14/18

Transporter Name: Kimball Trucking
Address: 1807 Tebor Rd
City/State/Zip: Webster NY 14580
Phone No.: 585 265 2594

Truck No.: PA 5952
Driver Name: Richard Francisco
Vehicle License No./State: 95392 MS NY
Transporter's US EPA No.:

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
Richard Francisco		Richard Francisco	

Facility Name: High Acres Land Fill
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.

SCALE TICKET NUMBER	Signature	Receipt Date
12 25943	Amy Mclaren	6-19-18

WASTE MANAGEMENT

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

Original
Ticket# 1226092

Customer Name	LGEVANSINC-119193NY LG EVANS	Carrier	SWAN EQUIPMENT
Ticket Date	06/19/2018	Vehicle#	17
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0007410
State Waste Code		Gen EPA ID	NOT REQUIRED
Manifest	NA	Grid	CELL 12A
Destination			
PO	1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007		
Profile	119193NY (SOIL)		
Generator	190-COOPERVISION COOPERVISION		

Volume

	Time	Scale	Operator	Inbound		
In	06/19/2018 12:18	A_Scale_1	MM #260133		Gross	64440 lb
Out	06/19/2018 12:18		MM #260133		Tare	25640 lb
					Net	38800 lb
					Tons	19.40

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	19.40	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_____

404WM

SWAN Equipment & Trucking, LLC

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 Const.
Mailing Address: 1823 Lakeville Rd
City/State/Zip: Avon NY 14414
Phone No.: (585) 226-2240

Landfill Profile No.: 11913NY

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.

Generator Authorized Agent Name (Print) | Signature | Shipment Date: 6/19/18

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

Truck No.: SW17
Driver Name: Ricky Towel
Vehicle License No./State: 41067MG
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: 6/19/18 | Shipment Date | Driver Signature: 6/19/18 | 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.

SCALE TICKET NUMBER: 1226092 | Signature | Receipt Date: 6-19-18

WASTE MANAGEMENT

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

Original
Ticket# 1226061

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/19/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 17707
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier KIMBALL KIMBALL TRUCKING
Vehicle# EK4
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A
Volume

	Time	Scale	Operator	Inbound		
In	06/19/2018 10:37	A_Scale_1	MM #260133		Gross	72000 lb
Out	06/19/2018 10:37		MM #260133		Tare	28940 lb
					Net	43060 lb
					Tons	21.53

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	21.53	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_____

404WM

EK4

High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
(585) 223-6132

Manifest NO 17707
Western Expansion Site Permit No. NYS DEC 8-2644-00048/00021-0
High Acres Site Permit No. NYSDEC 8-2644-00048/00003

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Generator Section

Generator of Waste (must be filled in by producer) Cooper Vision

EPA. ID. NO: NA 552

Company Address: LG Evans

(Print or Type) 1873 Lakeville Rd Avon NY 14414
(No.) (Street) (City) (State) (Zip)

Pick-up Address: 711 North Ave Scottsville NY 14546
(No.) (Street) (City) (State) (Zip)

Telephone Number: 595 226 2240

Waste Stream Identification: 119193 NY

This manifest represents a non-hazardous waste as per E.P.A. and N.Y.S. D.E.C. regulations

Est Tons: 20 Other (Specify):

Special Handling instructions, if any: None ✓

This is to certify that the above named materials are properly classified, described, packages, marked and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 6/19/18 Signature:
(Name and Title)

Transportation Section

Hauler of Waste (must be filled in by hauler) Kimball Trucking

ADDRESS: 1807 Ticher Rd Webster NY 14580

Pick-up Date: 6-19-18 Truck No. FA-4 Vehicle Lic. No. 93290-MH

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of authorized agent and title Driver Date: 6-19-18

Disposal Facility

Disposer of Waste (must be filled in by the disposer)

Company Name: High Acres Landfill

Site Location: 425 Perinton Parkway Fairport, NY 14450

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on:

Disposal Date: 6/19/18 Total Tons: Other (Specify):

Signature of authorized agent and title:

White & Canary - Landfill Pink - Hauler Golden Rod - Generator

WASTE MANAGEMENT

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

Original
Ticket# 1225930

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/19/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 17706
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier KIMBALL KIMBALL TRUCKING
Vehicle# EK4 Volume
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A

	Time	Scale	Operator	Inbound		
In	06/19/2018 08:37	A_Scale_1	MM #260133		Gross	71200 lb
Out	06/19/2018 08:50	B_Scale_2	SD #NoLicense		Tare	28940 lb
					Net	42260 lb
					Tons	21.13

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	21.13	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_____

404WM

High Acres Landfill
425 Perinton Parkway
Fairport, NY 14450
(585) 223-6132

Manifest NO 17706 EK4
Western Expansion Site Permit No. NYS DEC 8-2644-00048/00021-0
High Acres Site Permit No. NYSDEC 8-2644-00048/00003

NON-HAZARDOUS SPECIAL WASTE MANIFEST

Generator Section

Generator of Waste (must be filled in by producer) Cooper Vision 711 North Ave Scot. EPA. ID. NO. 8A 552

Company Address: L G Evans
(Print or Type) 1823 Lehigh Valley Rd Avon NY 14414
(No.) (Street) (City) (State) (Zip)

Pick-up Address: 711 North Ave Scottsville NY 14546
(No.) (Street) (City) (State) (Zip)

Telephone Number: 585 226 2240

Waste Stream Identification: 11913 NY

This manifest represents a non-hazardous waste as per E.P.A. and N.Y.S. D.E.C. regulations

Est Tons: 20 Other (Specify):

Special Handling instructions, if any: None ✓

This is to certify that the above named materials are properly classified, described, packages, marked and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 6/19/18 Signature:
(Name and Title)

Transportation Section

Hauler of Waste (must be filled in by hauler) Kimball Trucking
ADDRESS: 1807 Tebor Rd Webster NY 14580
Pick-up Date: 6-15-18 Truck No. EK-4 Vehicle Lic. No. 93290-MH
The above desoribed waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify that the foregoing is true and correct to the best of my knowledge.

Signature of authorized agent and title Driver Date: 6-15-18

Disposal Facility

Disposer of Waste (must be filled in by the disposer)
Company Name: High Acres Landfill
Site Location: 425 Perinton Parkway Fairport, NY 14450

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on:

Disposal Date: 6/19/18 Total Tons: Other (Specify):
Signature of authorized agent and title: Scale Op 6-19-18

White & Canary - Landfill Pink - Hauler Golden Rod - Generator

WASTE MANAGEMENT

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

Original
Ticket# 1226060

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/19/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest NA
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier SWAN EQUIPMENT
Vehicle# 17
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A

Volume

	Time	Scale	Operator	Inbound		
In	06/19/2018 10:30	A_Scale_1	MM #260133		Gross	67860 lb
Out	06/19/2018 10:30		MM #260133		Tare	25640 lb
					Net	42220 lb
					Tons	21.11

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	21.11	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_____

404WM

Equipment & Trucking, LLC

SWAN

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
Mailing Address: 1823 Lakeville Rd
City/State/Zip: Avon NY, 14414
Phone No.: (585) 226-2246

Landfill Profile No. 11993NY

Description of Waste:
Construction and 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.

Generator Authorized Agent Name (Print) | Signature | Shipment Date: 6/19/18

Transporter Name: Swan E+T
Address: 1823 Lakeville Rd.
City/State/Zip: Avon NY, 14414
Phone No.: (585) 226-2246

Truck No.: SW17
Driver Name: Ricky Tarr
Vehicle License No./State: 41067MG
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: 6/19/18

Driver Signature | Delivery Date: 6/19/18

Facility Name: High Acres Landfill
Address: 425 Pennington 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: 122660 | Signature | Receipt Date: 6-19-18

WASTE MANAGEMENT

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

Original
Ticket# 1225911

Customer Name LGEVANSINC-119193NY LG EVANS
Ticket Date 06/19/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier SWAN EQUIPMENT
Vehicle# 17
Container
Driver
Check#
Billing # 0007410
Gen EPA ID NOT REQUIRED
Grid CELL 12A

Volume

	Time	Scale	Operator	Inbound		
In	06/19/2018 08:28	A_Scale_1	MM #260133		Gross	63940 lb
Out	06/19/2018 08:42	B_Scale_2	SD #NoLicense		Tare	25640 lb
					Net	38300 lb
					Tons	19.15

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	19.15	Tons				MON
2	EVF-P-Standard Env	100		%				
3	RCR-P-Regulatory C	100		%				
4	LFS4-LANDFILL FIXE	100		%				

Total Fees
Total Ticket

r's Signature_____

SWAN Equipment & Trucking, LLC

17

NON-HAZARDOUS WASTE MANIFEST

SITE INFORMATION

Generator Name: Cooper Vivian

Site Address: 711 North Rd.

City/State/Zip: Scottsville NY 14546

Phone No.:

MAILING INFORMATION

Company Name: L.C. Evans Const.

Mailing Address: 123 Lakeville Rd

City/State/Zip: Avon NY 14414

Phone No.: (585) 226-2240

Landfill Profile No. ~~#94-NY-~~ 11993NY

Description of Waste:

Construction and 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.

Generator Authorized Agent Name (Print)	Signature	Shipment Date
	WT	6/19/18

Transporter Name: Swan E+T

Address: 123 Lakeville Rd

City/State/Zip: Avon NY 14414

Phone No.: (585) 226-2240

Truck No.: SW17

Driver Name: Ricky Torres

Vehicle License No./State: 4106716

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
	6/19/18		6/19/18

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.

SCALE TICKET NUMBER	Signature	Receipt Date
625911		6-19-18

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. NYDO 7366827	Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
COOPERVISION ATTN: JIM MAZUROWSKI
711 NORTH RD.
SCOTTSVILLE, NY 14546

4. Generator's Phone
585-756-9008

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

A. Manifest Number WMNA «number»

B. State Generator's ID

5. Transporter 1 Company Name | **6. US EPA ID Number** | **C. State Transporter's ID** | **D. Transporter's Phone**

7. Transporter 2 Company Name | **8. US EPA ID Number** | **E. State Transporter's ID** | **F. Transporter's Phone**

9. Designated Facility Name and Site Address
WM OF NEW YORK AT HIGH ACRES LANDFILL
425 PERINTON PKWY.
FAIRPORT, NY 14450

10. US EPA ID Number | **G. State Facility ID** | **H. State Facility Phone** 585-223-6132

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # 119193NY	01	DT			
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
a – 119193NY – Soil
Weight is estimated

Purchase Order # | **EMERGENCY CONTACT / PHONE NO.:**

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature	Month	Day	Year
James P. Mazurowski	James P. Mazurowski	5	15	2019

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Sanford Duffy	Sanford Duffy	05/15/19		

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

8.71

711 NORTH RD SCOTTSVILLE NY 14546-1238

Ticket 328899 Driver code RMSHA Requested by ERIC

DumpInfo:Site 1CS T Tkt 1284848 Qty 8.71 Tax

Load type FYN Equipment code - Points 0

Status Code * Additional comments exist for this ticket *

	Date	Time		Time
Dispatched:	5/20/2019	6:27	Arrived at customer:	
Loaded / Drop off:			Stop Ticket:	
Restart Ticket:			Arrived at landfill:	7:35
Finished at landfill:		7:53	Ticket completed:	7:53

#4123 S15

NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. / Manifest Doc No.	2. Page 1 of
	NYDO73668279	1

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing):	A. Manifest Number
COOPERVISION ATTN: JIM MAZUROWSKI 711 NORTH RD. SCOTTSVILLE, NY 14546 4. Generator's Phone 585-756-9008		WMNA «number» B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID F. Transporter's Phone
9. Designated Facility Name and Site Address WM OF NEW YORK AT HIGH ACRES LANDFILL 425 PERINTON PKWY. FAIRPORT, NY 14450	10. US EPA ID Number	G. State Facility ID H. State Facility Phone 585-223-6132

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # 119193NY	01	DT			
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

a – 119193NY – Soil
Weight is estimated

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature	Month	Day	Year
James P. Mazurowski	James P. Mazurowski	5	15	2019

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year

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

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
[illegible]	[illegible]	5	21	19

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

25.26

WASTE MANAGEMENT

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

Original
Ticket# 1285419

Customer Name KASCONSTRUCTION-119193NY KA&S
Ticket Date 05/21/2019
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest NA
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier SIL SILVAROLE TRUCKING, INC.
Vehicle# 815
Container
Driver
Check#
Billing # 0007680
Gen EPA ID NOT REQUIRED
Grid CELL 12A
Volume

	Time	Scale	Operator
In	05/21/2019 12:16	A_Scale_1	SD #604682
Out	05/21/2019 12:51	B_Scale_2	SD #604682

Inbound

Gross	90940 lb
Tare	40420 lb
Net	50520 lb
Tons	25.26

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	25.26	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_____

404WM

#4123 SIS

NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. NYDO 73668279 Manifest Doc No.	2. Page 1 of 1	
3. Generator's Mailing Address: COOPERVISION ATTN: JIM MAZUROWSKI 711 NORTH RD. SCOTTSVILLE, NY 14546 4. Generator's Phone 585-756-9008	Generator's Site Address (if different than mailing):	A. Manifest Number WMNA «number» B. State Generator's ID	
5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID F. Transporter's Phone	
9. Designated Facility Name and Site Address WM OF NEW YORK AT HIGH ACRES LANDFILL 425 PERINTON PKWY. FAIRPORT, NY 14450	10. US EPA ID Number	G. State Facility ID H. State Facility Phone 585-223-6132	

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON DOT REGULATED MATERIAL WM Profile # 119193NY	01	DT			
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information
a – 119193NY – Soil
Weight is estimated

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature	Month	Day	Year
James P. Mazurowski	James P. Mazurowski	5	15	2019

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		5	21	19

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

25.26

WASTE MANAGEMENT

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

Original
Ticket# 1285419

Customer Name KASCONSTRUCTION-119193NY KA&S
Ticket Date 05/21/2019
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest NA
Destination
PO 1) 13-39605-63007 2) 13-39605-63007 3) 13-39605-63007 4) 13-39605-63007
Profile 119193NY (SOIL)
Generator 190-COOPERVISION COOPERVISION

Carrier SIL SILVAROLE TRUCKING, INC.
Vehicle# 815 Volume
Container
Driver
Check#
Billing # 0007680
Gen EPA ID NOT REQUIRED
Grid CELL 12A

	Time	Scale	Operator	Inbound	Gross	90940 lb
In	05/21/2019 12:16	A_Scale_1	SD #604682		Tare	40420 lb
Out	05/21/2019 12:51	B_Scale_2	SD #604682		Net	50520 lb
					Tons	25.26

Comments

	Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	25.26	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_____

404WM

ALPCO RECYCLING

846 Macedon Center Road – Macedon NY 14502
Phone: 315-986-8900 Fax: 315-986-9321

5/31/19

Hamilton Stern Construction
Attn: Mike Twining
3850 Monroe Ave.
Pittsford, NY 14534

This statement is to confirm that on Feb 8, 2019, ALPCO Recycling, Inc. received a load of hard fill from Scottsville via Riccelli Trucking. This load weighed 4.21 ton and was dumped in our permitted fill area. This area is used to fill our land and create berms. None of the fill material dumped in this area is ever removed from this property and is permanently sited here.

This statement does not indemnify the companies involved (Haley Aldrich [per attached analytical testing], Hamilton Stern Construction, KA&S Construction and Riccelli Trucking) stating that this material was not hazardous and could be used as clean hard fill.

Darlene Baker
Coordinator Waste & Hauling Division
ALPCO Recycling, Inc.

Addendum: reference tkt #19001843

ALPCO RECYCLING INC
SCALE TICKET

846 MACEDON CENTER ROAD MACEDON NY 14502 TEL: 315-986-8900

DATE: 2/8/2019 TIME: 7:26:42 AM Ticket # MANUAL:
TICKET NUMBER: 19001843

BUYER/SHIPPED TO: ALPCO RECYCLING INC.

HAULER/CARRIER: RICCELLI TRUCKING

SELLER/SHIPPED FROM: SCOTTSVILLE

TRUCK/TRACTOR NO RT-20 TRAILER/BOX N O/T

COUNTY MONROE Truck Status:

MATERIAL/LOAD HARD FILL

NOTES

GROSS	47,740
TARE	39,320
NET	8,420
TONS	4.21
WEIGHER	TR

SIGNATURE SP

ANALYTICAL REPORT

Lab Number:	L1901903
Client:	Haley & Aldrich 200 Town Centre Drive Suite 2 Rochester, NY 14623-4264
ATTN:	Mark Ramsdell
Phone:	(585) 359-9000
Project Name:	TRENCH
Project Number:	129375-004
Report Date:	01/20/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1901903-01	TRENCH-011419-1530	SOIL	711 NORTH AVE.	01/14/19 15:30	01/15/19

Project Name: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. 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: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

Case Narrative (continued)

Report Submission

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

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.

The WG1198959-3 LCS recovery, associated with L1901903-01 (TRENCH-011419-1530), is below the individual acceptance criteria for 1,2-dichloroethane (69%), but within the overall method allowances. The results of the associated sample are reported.

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: 01/20/19

ORGANICS

VOLATILES

Project Name: TRENCH
Project Number: 129375-004
Lab Number: L1901903
Report Date: 01/20/19

SAMPLE RESULTS

Lab ID: L1901903-01
Client ID: TRENCH-011419-1530
Sample Location: 711 NORTH AVE.
Date Collected: 01/14/19 15:30
Date Received: 01/15/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/18/19 11:23
Analyst: MV
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.52	0.14	1

Project Name: TRENCH **Lab Number:** L1901903

Project Number: 129375-004 **Report Date:** 01/20/19

SAMPLE RESULTS

Lab ID: L1901903-01 Date Collected: 01/14/19 15:30

Client ID: TRENCH-011419-1530 Date Received: 01/15/19

Sample Location: 711 NORTH AVE. Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	7.7	J	ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
Methyl Acetate	ND		ug/kg	4.2	0.99	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	100	36.	1
Freon-113	ND		ug/kg	4.2	0.72	1
Methyl cyclohexane	ND		ug/kg	4.2	0.63	1

Project Name: TRENCH **Lab Number:** L1901903

Project Number: 129375-004 **Report Date:** 01/20/19

SAMPLE RESULTS

Lab ID: L1901903-01 Date Collected: 01/14/19 15:30

Client ID: TRENCH-011419-1530 Date Received: 01/15/19

Sample Location: 711 NORTH AVE. Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	76		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Project Name: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/19 09:11
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1198959-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14

Project Name: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/19 09:11
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1198959-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Project Name: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/19 09:11
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1198959-5					
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	75		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRENCH

Project Number: 129375-004

Lab Number: L1901903

Report Date: 01/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1198959-3 WG1198959-4								
Methylene chloride	96		98		70-130	2		30
1,1-Dichloroethane	80		86		70-130	7		30
Chloroform	80		87		70-130	8		30
Carbon tetrachloride	78		78		70-130	0		30
1,2-Dichloropropane	90		88		70-130	2		30
Dibromochloromethane	89		94		70-130	5		30
1,1,2-Trichloroethane	98		99		70-130	1		30
Tetrachloroethene	93		92		70-130	1		30
Chlorobenzene	96		94		70-130	2		30
Trichlorofluoromethane	76		76		70-139	0		30
1,2-Dichloroethane	**69**	Q	70		70-130	1		30
1,1,1-Trichloroethane	79		80		70-130	1		30
Bromodichloromethane	83		89		70-130	7		30
trans-1,3-Dichloropropene	82		87		70-130	6		30
cis-1,3-Dichloropropene	93		95		70-130	2		30
Bromoform	88		93		70-130	6		30
1,1,2,2-Tetrachloroethane	98		98		70-130	0		30
Benzene	93		93		70-130	0		30
Toluene	94		92		70-130	2		30
Ethylbenzene	93		88		70-130	6		30
Chloromethane	86		75		52-130	14		30
Bromomethane	108		108		57-147	0		30
Vinyl chloride	93		89		67-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1198959-3 WG1198959-4								
Chloroethane	86		82		50-151	5		30
1,1-Dichloroethene	103		99		65-135	4		30
trans-1,2-Dichloroethene	100		101		70-130	1		30
Trichloroethene	93		91		70-130	2		30
1,2-Dichlorobenzene	98		98		70-130	0		30
1,3-Dichlorobenzene	96		96		70-130	0		30
1,4-Dichlorobenzene	95		97		70-130	2		30
Methyl tert butyl ether	92		96		66-130	4		30
p/m-Xylene	95		93		70-130	2		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	95		98		70-130	3		30
Styrene	96		94		70-130	2		30
Dichlorodifluoromethane	91		92		30-146	1		30
Acetone	81		77		54-140	5		30
Carbon disulfide	107		106		59-130	1		30
2-Butanone	77		72		70-130	7		30
4-Methyl-2-pentanone	80		85		70-130	6		30
2-Hexanone	74		73		70-130	1		30
Bromochloromethane	103		108		70-130	5		30
1,2-Dibromoethane	99		100		70-130	1		30
n-Butylbenzene	94		90		70-130	4		30
sec-Butylbenzene	96		94		70-130	2		30
tert-Butylbenzene	94		92		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1198959-3 WG1198959-4								
1,2-Dibromo-3-chloropropane	93		93		68-130	0		30
Isopropylbenzene	95		91		70-130	4		30
p-Isopropyltoluene	96		95		70-130	1		30
Naphthalene	104		103		70-130	1		30
n-Propylbenzene	93		90		70-130	3		30
1,2,3-Trichlorobenzene	96		99		70-130	3		30
1,2,4-Trichlorobenzene	98		100		70-130	2		30
1,3,5-Trimethylbenzene	92		91		70-130	1		30
1,2,4-Trimethylbenzene	93		92		70-130	1		30
Methyl Acetate	85		82		51-146	4		30
Cyclohexane	80		75		59-142	6		30
1,4-Dioxane	96		107		65-136	11		30
Freon-113	96		95		50-139	1		30
Methyl cyclohexane	96		89		70-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	71		72		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	90		91		70-130

METALS

Project Name: TRENCH
Lab Number: L1901903
Project Number: 129375-004
Report Date: 01/20/19

SAMPLE RESULTS

Lab ID: L1901903-01
Client ID: TRENCH-011419-1530
Sample Location: 711 NORTH AVE.
Date Collected: 01/14/19 15:30
Date Received: 01/15/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%
TCLP/SPLP Ext. Date: 01/16/19 17:20

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	01/18/19 07:48	01/18/19 11:58	EPA 3015	1,6010D	LC
Barium, TCLP	0.323	J	mg/l	0.500	0.021	1	01/18/19 07:48	01/18/19 11:58	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/18/19 07:48	01/18/19 11:58	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/18/19 07:48	01/18/19 11:58	EPA 3015	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/18/19 07:48	01/18/19 11:58	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	01/18/19 13:01	01/18/19 20:48	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	01/18/19 07:48	01/18/19 11:58	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/18/19 07:48	01/18/19 11:58	EPA 3015	1,6010D	LC

Project Name: TRENCH
Project Number: 129375-004
Lab Number: L1901903
Report Date: 01/20/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1198788-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	01/18/19 07:48	01/18/19 10:24	1,6010D	LC
Barium, TCLP	0.027	J	mg/l	0.500	0.021	1	01/18/19 07:48	01/18/19 10:24	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/18/19 07:48	01/18/19 10:24	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/18/19 07:48	01/18/19 10:24	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/18/19 07:48	01/18/19 10:24	1,6010D	LC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	01/18/19 07:48	01/18/19 10:24	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/18/19 07:48	01/18/19 10:24	1,6010D	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 01/16/19 04:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1198952-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	01/18/19 13:01	01/18/19 20:44	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 01/16/19 04:10

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1198788-2								
Arsenic, TCLP	103		-		75-125	-		20
Barium, TCLP	92		-		75-125	-		20
Cadmium, TCLP	97		-		75-125	-		20
Chromium, TCLP	90		-		75-125	-		20
Lead, TCLP	95		-		75-125	-		20
Selenium, TCLP	96		-		75-125	-		20
Silver, TCLP	92		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1198952-2								
Mercury, TCLP	108		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

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: WG1198788-3 QC Sample: L1902041-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.28	107		-	-		75-125	-		20
Barium, TCLP	0.217J	20	19.4	97		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.515	101		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.91	96		-	-		75-125	-		20
Lead, TCLP	0.052J	5.1	5.06	99		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.21	101		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.483	97		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1198952-3 QC Sample: L1901903-01 Client ID: TRENCH-011419-1530												
Mercury, TCLP	ND	0.025	0.0256	102		-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1198788-4 QC Sample: L1902041-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.217J	0.224J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.052J	0.049J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1198952-4 QC Sample: L1901903-01 Client ID: TRENCH-011419-1530						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

SAMPLE RESULTS

Lab ID: L1901903-01
Client ID: TRENCH-011419-1530
Sample Location: 711 NORTH AVE.

Date Collected: 01/14/19 15:30
Date Received: 01/15/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.3		%	0.100	NA	1	-	01/16/19 14:28	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1198221-1 QC Sample: L1901354-10 Client ID: DUP Sample						
Solids, Total	74.6	79.0	%	6		20

Project Name: TRENCH
Project Number: 129375-004

Lab Number: L1901903
Report Date: 01/20/19

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(*)
L1901903-01A	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L1901903-01B	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1901903-01V	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	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)
L1901903-01V9	Tumble Vessel	A	NA		3.2	Y	Absent		-
L1901903-01X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1901903-01Y	Vial Water preserved split	A	NA		3.2	Y	Absent	**17-JAN-19 05:02**	NYTCL-8260-R2(14)
L1901903-01Z	Vial Water preserved split	A	NA		3.2	Y	Absent	**17-JAN-19 05:02**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	TRENCH	**Lab Number:**	L1901903
Project Number:	129375-004	**Report Date:**	01/20/19

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	TRENCH	**Lab Number:**	L1901903
Project Number:	129375-004	**Report Date:**	01/20/19

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 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:	TRENCH	**Lab Number:**	L1901903
Project Number:	129375-004	**Report Date:**	01/20/19

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at 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.

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
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: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-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: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers: Brewer, ME 04412 — Portsmouth, NH 03801 — Mahwah, NJ 07430 — Albany, NY 12205 — Tonawanda, NY 14150 — Holmes, PA 19043

Page 1 of 1

Date Rec'd in Lab: 1/16/19

ALPHA Job #: L1901903

Project Information
- Project Name: TRENCH
- Project Location: 711 North Ave.
- Project #: 129375-004
- (Use Project name as Project #) ☐
- Project Manager: MARK RAMSDELL
- ALPHAQuote #:

Turn-Around Time
- Standard ☒ — Due Date:
- Rush (only if pre approved) ☐ — # of Days:

H&A Information
- H&A Client: CooperVision
- H&A Address: 200 Town Centre Dive. Roc. NY 14623
- H&A Phone: (585) 370-6597
- H&A Fax:
- H&A Email: MRamsdell@HaleyAldrich.com

Deliverables
- ☒ Email ☐ Fax
- ☐ EQuIS (1 File) ☐ EQuIS (4 File)
- ☐ Other:

Regulatory Requirements (Program/Criteria)

Note: Select State from menu & identify criteria.

Billing Information
- ☐ Same as Client Info
- PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
- ☐ NJ ☐ NY
- ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

1 Sample = 2 Jars. - 2 oz Jar - VOCs - 4oz Jar - Metals

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	Depth	ANALYSIS: VOCs 8260	ANALYSIS: TCLP Metals	Sample Filtration / Preservation	Total Bottles	Sample Specific Comments
01963-01	TRENCH-011419-1530	1-14-19	1530	Soil	MC	6"	X	X			
	~~TRENCH-011419-1545~~	~~1-14-19~~	~~1545~~	~~Soil~~							

ANALYSIS

Sample Filtration
- ☐ Done
- ☐ Lab to do

Preservation
- ☐ Lab to do

(Please Specify below)

Container Type	A	G						
Preservative	A	A						

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1/15/19 1400	[signature] NAL	15Jan201917:00
[signature] NAL	15Jan201917:00	[signature]	1/16/19 0135

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# 2019-22-Alpha Analytical by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and Alpha Analytical.

Document ID: 20455 Rev 3 (1/7/2019)

APPENDIX D

NYSDEC Correspondence

McKenna, Santa

From: Ramsdell, Mark
Sent: Thursday, May 30, 2019 12:41 PM
To: McKenna, Santa; Sanger, Jonathan
Subject: FW: CooperVision Facility – VCA Site#V00175 - Sub-slab system update

Correspondence for 2018 PRR

From: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Sent: Friday, November 9, 2018 1:23 PM
To: 'jmazurowski@coopervision.com' <jmazurowski@coopervision.com>
Cc: McKenna, Santa <SMcKenna@haleyaldrich.com>; Dick, Vince <VDick@haleyaldrich.com>; 'Bob Ooyama (BOoyama@coopervision.com)' <BOoyama@coopervision.com>; 'cmarraro@bakerlaw.com' <cmarraro@bakerlaw.com>; Schilling, Bernette (DEC) <bernette.schilling@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>; Tinsley, Dusty R (DEC) <Dusty.Tinsley@dec.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>; Ramsdell, Mark <MRamsdell@haleyaldrich.com>
Subject: RE: CooperVision Facility – VCA Site#V00175 - Sub-slab system update

Jim,

The New York State Departments of Environmental Conservation and Health have reviewed the information provided below which depicts the pressure field extension for the SSDS in the new building entrance. Based on the information provided, we agree that the pressure field extension criteria have been met and comment 5 of the Departments March 30, 2018 approval letter has been satisfied.

Please feel free to contact me if you have any questions.

Regards,

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 | |

From: Ramsdell, Mark [mailto:MRamsdell@haleyaldrich.com]
Sent: Monday, October 22, 2018 2:22 PM
To: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Cc: McKenna, Santa <SMcKenna@haleyaldrich.com>; Dick, Vince <VDick@haleyaldrich.com>; 'jmazurowski@coopervision.com' <jmazurowski@coopervision.com>; 'Bob Ooyama (BOoyama@coopervision.com)' <BOoyama@coopervision.com>; 'cmarraro@bakerlaw.com' <cmarraro@bakerlaw.com>; Schilling, Bernette (DEC) <bernette.schilling@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>; 'Tricia Goodenough'

<tgoodenough@coopervision.com>; Tinsley, Dusty R (DEC) <Dusty.Tinsley@dec.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>
Subject: RE: CooperVision Facility – VCA Site#V00175 - Sub-slab system update

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Frank – this is an update on the New Employee Entrance at CooperVision. The relocated fan S-3 has been installed and energized. The new test point locations have been installed, as shown on the attached sketch. We had to move 2 of the existing points for obstructions with new construction. All sub slab vacuum is above the criteria of 0.002 in.w.c., results (in.w.c.) as shown below:
T-3R: 0.054
T-4R: 0.005
T-5R: 0.020
T-6R: 0.047

The relocated Fan S-3 is running at 1.2 in.w.c. In accordance with your letter dated March 30, 2018 and based on this information we request that the new employee entrance can be occupied at completion of construction. We will be completing the groundwater sampling this week, and a complete SSD evaluation as per our routine monitoring.

If you have 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

From: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Sent: Friday, April 27, 2018 10:49 AM
To: Ramsdell, Mark <MRamsdell@haleyaldrich.com>
Cc: McKenna, Santa <SMcKenna@haleyaldrich.com>; Dick, Vince <VDick@haleyaldrich.com>; 'jmazurowski@coopervision.com' <jmazurowski@coopervision.com>; 'Bob Ooyama (BOoyama@coopervision.com)' <BOoyama@coopervision.com>; 'cmarraro@bakerlaw.com' <cmarraro@bakerlaw.com>; Schilling, Bernette (DEC) <bernette.schilling@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>; 'Tricia Goodenough' <tgoodenough@coopervision.com>; Tinsley, Dusty R (DEC) <Dusty.Tinsley@dec.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>
Subject: RE: CooperVision Facility – VCA Site#V00175 - Evaluation of air emissions

Mark,

The State's recommendation is to wait until construction of the new building addition is complete before evaluating the possibility of shutting down existing vapor intrusion mitigation systems.

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 | |

From: Ramsdell, Mark [mailto:MRamsdell@haleyaldrich.com]
Sent: Thursday, April 19, 2018 3:44 PM
To: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Cc: McKenna, Santa <SMcKenna@haleyaldrich.com>; Dick, Vince <VDick@haleyaldrich.com>; 'jmazurowski@coopervision.com' <jmazurowski@coopervision.com>; 'Bob Ooyama (BOoyama@coopervision.com)' <BOoyama@coopervision.com>; 'cmarraro@bakerlaw.com' <cmarraro@bakerlaw.com>; Schilling, Bernette (DEC) <bernette.schilling@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>; 'Tricia Goodenough' <tgoodenough@coopervision.com>; Tinsley, Dusty R (DEC) <Dusty.Tinsley@dec.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>
Subject: RE: CooperVision Facility – VCA Site#V00175 - Evaluation of air emissions

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Frank – attached please find the PID data for the air emission evaluation for the existing sub-slab depressurization system at CooperVision (attached figure). There were no detections. We used a PID 11.7 eV lamp (calibration attached) directly in the pipe and then verified with a vac-box/tedlar bag with the same non-detection results. This data will be included in the upcoming PRR.

We will supply supplemental data (PID and PFE) for the system in the New Employee Entrance when it is constructed.

We'd like to request what we need to show the State to shut down these systems?

Please advise. Let us know if you have any questions or comments.
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

From: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Sent: Wednesday, April 11, 2018 8:53 AM

To: Ramsdell, Mark <MRamsdell@haleyaldrich.com>
Cc: McKenna, Santa <SMcKenna@haleyaldrich.com>; Dick, Vince <VDick@haleyaldrich.com>; 'jmazurowski@coopervision.com' <jmazurowski@coopervision.com>; 'Bob Ooyama (BOoyama@coopervision.com)' <BOoyama@coopervision.com>; 'cmarraro@bakerlaw.com' <cmarraro@bakerlaw.com>; Schilling, Bernette (DEC) <bernette.schilling@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>; 'Tricia Goodenough' <tgoodenough@coopervision.com>; Tinsley, Dusty R (DEC) <Dusty.Tinsley@dec.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>
Subject: RE: CooperVision Facility – VCA Site#V00175 New Employee Entrance Work Plan Approval with Modifications

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

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>
Cc: McKenna, Santa <SMcKenna@haleyaldrich.com>; Dick, Vince <VDick@haleyaldrich.com>; 'jmazurowski@coopervision.com' <jmazurowski@coopervision.com>; 'Bob Ooyama (BOoyama@coopervision.com)' <BOoyama@coopervision.com>; 'cmarraro@bakerlaw.com' <cmarraro@bakerlaw.com>; Schilling, Bernette (DEC) <bernette.schilling@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>; 'Tricia Goodenough' <tgoodenough@coopervision.com>; Tinsley, Dusty R (DEC) <Dusty.Tinsley@dec.ny.gov>; Deming, Justin H (HEALTH) <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>
Sent: Wednesday, April 04, 2018 11:07 AM
To: Ramsdell, Mark <MRamsdell@haleyaldrich.com>
Cc: McKenna, Santa <SMcKenna@haleyaldrich.com>; Dick, Vince <VDick@haleyaldrich.com>; 'jmazurowski@coopervision.com' <jmazurowski@coopervision.com>; 'Bob Ooyama (BOoyama@coopervision.com)' <BOoyama@coopervision.com>; 'cmarraro@bakerlaw.com' <cmarraro@bakerlaw.com>; Schilling, Bernette (DEC) <bernette.schilling@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>; 'Tricia Goodenough' <tgoodenough@coopervision.com>; Tinsley, Dusty R (DEC) <Dusty.Tinsley@dec.ny.gov>; Deming, Justin H (HEALTH) <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@haleyaldrich.com]
Sent: Wednesday, April 04, 2018 10:58 AM
To: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Cc: McKenna, Santa <SMcKenna@haleyaldrich.com>; Dick, Vince <VDick@haleyaldrich.com>; 'jmazurowski@coopervision.com' <jmazurowski@coopervision.com>; 'Bob Ooyama (BOoyama@coopervision.com)' <BOoyama@coopervision.com>; 'cmarraro@bakerlaw.com' <cmarraro@bakerlaw.com>; Schilling, Bernette (DEC) <bernette.schilling@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>; 'Tricia Goodenough' <tgoodenough@coopervision.com>; Cruden, Michael (DEC) <michael.cruden@dec.ny.gov>; Tinsley, Dusty R (DEC) <Dusty.Tinsley@dec.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>
Subject: RE: CooperVision Facility – VCA Site#V00175 New Employee Entrance Work Plan Approval with Modifications

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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

From: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Sent: Friday, March 30, 2018 12:06 PM
To: Ramsdell, Mark <MRamsdell@haleyaldrich.com>
Cc: McKenna, Santa <SMcKenna@haleyaldrich.com>; Dick, Vince <VDick@haleyaldrich.com>; 'jmazurowski@coopervision.com' <jmazurowski@coopervision.com>; 'Bob Ooyama (BOoyama@coopervision.com)' <BOoyama@coopervision.com>; 'cmarraro@bakerlaw.com' <cmarraro@bakerlaw.com>; Schilling, Bernette (DEC) <bernette.schilling@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>; 'Tricia Goodenough' <tgoodenough@coopervision.com>; Cruden, Michael (DEC) <michael.cruden@dec.ny.gov>; Tinsley, Dusty R (DEC) <Dusty.Tinsley@dec.ny.gov>; Deming, Justin H (HEALTH) <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

www.dec.ny.gov | | |

McKenna, Santa

From: Ramsdell, Mark
Sent: Thursday, May 30, 2019 12:42 PM
To: McKenna, Santa; Sanger, Jonathan
Subject: FW: RECEIVED: CooperVision Facility – VCA Site#V00175 - Evaluation of air emissions

More correspondence

From: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Sent: Thursday, November 8, 2018 3:47 PM
To: Jim Mazurowski <jmazurowski@coopervision.com>; Ramsdell, Mark <MRamsdell@haleyaldrich.com>
Subject: RE: RECEIVED: CooperVision Facility – VCA Site#V00175 - Evaluation of air emissions

Thanks Jim. That effectively closes the loop on the air emissions.

I reached out the DOH for their concurrence that the sub-slab vacuum readings are acceptable and will get back to you as soon as I hear from them.

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 | |

From: Jim Mazurowski [mailto:jmazurowski@coopervision.com]
Sent: Thursday, November 08, 2018 3:41 PM
To: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>; Ramsdell, Mark <MRamsdell@haleyaldrich.com>
Subject: FW: RECEIVED: CooperVision Facility – VCA Site#V00175 - Evaluation of air emissions

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hello Frank Sowers:
Thank you for reviewing the Sub-slab Depressurization system readings sent to you by Mark Ramsdell. In response to your recent e-mail to Mark Ramsdell, I found the e-mail submission of the evaluation of air emissions and hoped that the attachments would provide the information requested.

Please advise if this provides the required information.

Thank you
Jim

James P. Mazurowski, *Site Environmental Health and Safety Specialist*
SCOTTSVILLE MANUFACTURING OPERATIONS (SVMO)
711 North Road Scottsville NY 14546
w: 585-756-9008 | m: 585-489-2148
jmazurowski@coopervision.com

From: Ramsdell, Mark <MRamsdell@haleyaldrich.com>
Sent: Thursday, April 26, 2018 12:44 PM
To: Jim Mazurowski <jmazurowski@coopervision.com>; Dick, Vince <VDick@haleyaldrich.com>; 'cmarraro@bakerlaw.com' <cmarraro@bakerlaw.com>
Subject: FW: RECEIVED: CooperVision Facility – VCA Site#V00175 - Evaluation of air emissions

FYI

From: Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>
Sent: Thursday, April 26, 2018 11:59 AM
To: Ramsdell, Mark <MRamsdell@haleyaldrich.com>; Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Cc: Schilling, Bernette (DEC) <bernette.schilling@dec.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>
Subject: RECEIVED: CooperVision Facility – VCA Site#V00175 - Evaluation of air emissions

Received, thank you.

Julia
[OT – shutdown ssds]

Julia M. Kenney, P.G.
Public Health Specialist III

NYS Department of Health
Bureau of Environmental Exposure Investigation
Corning Tower, Room 1787
Albany NY 12237

ph. 518.402.7860

From: Ramsdell, Mark [mailto:MRamsdell@haleyaldrich.com]
Sent: Thursday, April 19, 2018 3:44 PM
To: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Cc: McKenna, Santa <SMcKenna@haleyaldrich.com>; Dick, Vince <VDick@haleyaldrich.com>; 'jmazurowski@coopervision.com' <jmazurowski@coopervision.com>; 'Bob Ooyama (BOoyama@coopervision.com)' <BOoyama@coopervision.com>; 'cmarraro@bakerlaw.com' <cmarraro@bakerlaw.com>; Schilling, Bernette (DEC) <bernette.schilling@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>; 'Tricia Goodenough' <tgoodenough@coopervision.com>; Tinsley, Dusty R (DEC) <Dusty.Tinsley@dec.ny.gov>; Deming, Justin H (HEALTH)

<justin.deming@health.ny.gov>
Subject: RE: CooperVision Facility – VCA Site#V00175 - Evaluation of air emissions

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Frank – attached please find the PID data for the air emission evaluation for the existing sub-slab depressurization system at CooperVision (attached figure). There were no detections. We used a PID 11.7 eV lamp (calibration attached) directly in the pipe and then verified with a vac-box/tedlar bag with the same non-detection results. This data will be included in the upcoming PRR.

We will supply supplemental data (PID and PFE) for the system in the New Employee Entrance when it is constructed.

We'd like to request what we need to show the State to shut down these systems?

Please advise. Let us know if you have any questions or comments.
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 [haleyaldrich.com]

APPENDIX E

Import Material Documentation

HALEY ALDRICH

Date: June 3, 2019

Company:

Attn: Matt

Project: Cooper Vision

Hanson Stone Facility: Honeoye Falls Lima Plant
2049 Honeoye Falls # 6 Rd./PO Box 151
Honeoye Falls, NY 14472

NYSDOT Source #: 4-10RS
NYSDOT Test #: 09AR75S

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		#2 Stone		#1 & #2 Blend		#1 Stone		#1A Stone	
in.	mm	% Pass	Spec.	% Pass	Spec.	% Pass	Spec.	% Pass	Spec.	% Pass	Spec.	% Pass	Spec.
4"	100												
2"	50.0	100.0	100										
1 ½"	37.5	96.9				100.0	100	100.0	100				
1"	25.0	87.3		100.0	100	90.9	90-100	95.5	93-100	100.0	100		
3/4"	19.0	78.6		92.1		56.0		78.0					
1/2"	12.5	64.9		75.4		8.9	0-15	51.4	27-58	93.9	90-100	100.0	100
1/4"	6.3	43.6	25-60	49.7				3.1	0-8	5.2	0-15	91.5	90-100
1/8"	3.2											9.2	0-15
#40	0.425	7.7	0-40	6.9									
#200	0.075	2.7	0-10	2.1		0.7	0-1	0.8	0-1	0.9	0-1	0.9	0-1
ITEM NUMBERS													

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 LLC

Alan Lent
Sales Representative

cc: file
encl.

Hanson

Plant: 36412

Honeoye Falls Plant 364
2049 HF's #6 RD
Honeoye Falls, NY 14472
585-624-1220,

6/25/2018 08:45 In :
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 986158 CPU/COOPER VISION 2018
P.O. :

Tkt. No. 1504141590

Product 074340
No 2 Crusher Run
S.O. Info:
Ship Ref: CPU/COOPER VISION 2018

	Pounds	Kilo
Gross	67,920	30,808
Tare	26,100 *	11,839
Net	41,820	18,969

20.91 Ton 18.97

* Predetermined Tare

	UNIT	TOTALS
Material:		
Freight:		
Tax:		
Fee / Fuel:		
Other Chrg:	No	

Today Tons:	41.15	Loads:
Tons To Date:	41.15	2
Today Tonnes	37.33	
Tonnes To Date:	37.33	

Carrier :
Vehicle: HFSWAN23 SWAN EQUIPMENT &
License: 123
MaxGVW: 68,000

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.

Received: _____ Cust: _____

Weighmaster: Clement, Holly #602879
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.

6/25/2018 07:11 In : 7:00:33

Customer: 8523746 L G EVANS CONSTRUCTION INC

Order : 986158 CPU/COOPER VISION 2018

P.O. :

Tkt. No. 1504141545

Product 074340
No 2 Crusher Run
S.O. Info:
Ship Ref: CPU/COOPER VISION 2018

	Pounds	Kilo
Gross	66,580	30,200
Tare	26,100	11,839
Net	40,480	18,361
	20.24 Ton	18.36

	UNIT	TOTALS
Material:		
Freight:		
Tax:		
Fee / Fuel:		
Other Chrg:	No	

Today Tons:	20.24	Loads:
Tons To Date:	20.24	1
Today Tonnes	18.36	
Tonnes To Date:	18.36	

Carrier :

Vehicle: HFSWAN23 SWAN EQUIPMENT &

License: **123**

MaxGVW: 68,000

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.

Received:_____ Cust: _____

Weighmaster: Clement, Holly #602879

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.

6/25/2018 09:48 In :
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 986158 CPU/COOPER VISION 2018
P.O. :

Tkt. No. 1504141613

Product 074340
No 2 Crusher Run
S.O. Info:
Ship Ref: CPU/COOPER VISION 2018

	Pounds	Kilo
Gross	67,360	30,554
Tare	26,100 *	11,839
Net	41,260	18,715
	20.63 Ton	18.72

* Predetermined Tare

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	61.78	Loads:
Tons To Date:	61.78	3
Today Tonnes	56.05	
Tonnes To Date:	56.05	

Carrier :
Vehicle: HFSWAN23 SWAN EQUIPMENT &
License: **123**
MaxGVW: 68,000
Received:_____
Weighmaster: Clement, Holly #602879
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 withrespect 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.

6/25/2018 10:43 In :
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 986158 CPU/COOPER VISION 2018
P.O. :

Tkt. No. 1504141626

Product 074340
No 2 Crusher Run
S.O. Info:
Ship Ref: CPU/COOPER VISION 2018

	Pounds	Kilo
Gross	67,780	30,744
Tare	26,100 *	11,839
Net	41,680	18,906

20.84 Ton 18.91

* Predetermined Tare

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	82.62	Loads:
Tons To Date:	82.62	4
Today Tonnes	74.95	
Tonnes To Date:	74.95	

Carrier :
Vehicle: HFSWAN23 SWAN EQUIPMENT & "
License: 123
MaxGVW: 68,000

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.

Received:_____ Cust: _____

Weighmaster: Clement, Holly #602879

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.

6/25/2018 12:25 In :
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 986158 CPU/COOPER VISION 2018
P.O. :

Tkt. No. 1504141658

Product 074340
No 2 Crusher Run
S.O. Info:
Ship Ref: CPU/COOPER VISION 2018

	Pounds	Kilo
Gross	67,880	30,790
Tare	26,100 *	11,839
Net	41,780	18,951
	20.89 Ton	18.95

* Predetermined Tare

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	103.51	Loads:
Tons To Date:	103.51	5
Today Tonnes	93.90	
Tonnes To Date:	93.90	

Carrier :
Vehicle: HFSWAN23 SWAN EQUIPMENT &
License: 123
MaxGVW: 68,000

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.

Received:_____ Cust: _____

Weighmaster: Clement, Holly #602879
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,

6/25/2018 13:45 In :
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 986158 CPU/COOPER VISION 2018
P.O. :

Tkt. No. 1504141683

Product 074340
No 2 Crusher Run
S O. Info:
Ship Ref: CPU/COOPER VISION 2018

	Pounds	Kilo
Gross	66,020	29,946
Tare	26,100 *	11,839
Net	39,920	18,107

19.96 Ton 18.11

* Predetermined Tare

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	123.47	Loads:
Tons To Date:	123.47	6
Today Tonnes	112.01	
Tonnes To Date:	112.01	

Carrier :
Vehicle: HFSWAN23 SWAN EQUIPMENT &
License: 123
MaxGVW: 68,000

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.

Received:_____ Cust: _____

Weighmaster: Clement, Holly #602879

P/D Status: **Pickup**

Customer Copy Scale: 1

Hanson

Plant: 36412

Honeoye Falls Plant 364
2049 HF's #6 RD
Honeoye Falls, NY 14472
585-624-1220

11/5/2018 11:56 In : 11:41:54
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 990225 CPU/COOPERVISION CAFE-2018
P.O. : 25-2018

Tkt. No. 1504160872

Product 074340
No 2 Crusher Run
S.O. Info
Ship Ref: CPU/COOPERVISION CAFE-2018
711 NORTH RD SCOTTSVILLE

	Pounds	Kilo
Gross	66,080	29,973
Tare	25,980 *	11,784
Net	40,100	18,189

20.05 Ton 18.19

* Predetermined Tare

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	20.05	Loads:
Tons To Date:	20.05	1
Today Tonnes	18.19	
Tonnes To Date:	18.19	

Carrier :
Vehicle: HFSWAN23 SWAN EQUIPMENT & '
License: 123
MaxGVW: 68.000

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.

Received:_____ Cust: _____

Weighmaster: Clement. Holly #602879
P/D Status: **Pickup**

Customer Do Not Accept [3] Scale: 1

Hanson

Plant: 36412

Honeoye Falls Plant 364
2049 HFs #6 RD
Honeoye Falls, NY 14472
585-624-1220.

11/5/2018 11:56 In : 11:41:54
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 990225 CPU COOPERVISION CAFE-2018
P O : 25-2018

Tkt. No. 1504160872

Product 074340
No 2 Crusher Run
S.O. Info:
Ship Ref: CPU/COOPERVISION CAFE-2018
711 NORTH RD SCOTTSVILLE

	Pounds	Kilo
Gross	66,080	29,973
Tare	25,980 *	11,784
Net	40,100	18,189
	20.05 Ton	18.19

* Predetermined Tare

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	20.05	Loads:
Tons To Date:	20.05	1
Today Tonnes	18.19	
Tonnes To Date:	18.19	

Carrier :
Vehicle: HFSWAN23 SWAN EQUIPMENT &
License: 123
MaxGVW: 68,000

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.

Received: _____ Cust: _____

Weighmaster: Clement, Holly #602879
P/D Status: **Pickup**

Customer Do Not Accept !!! Scale: 1

Hanson **Plant: 36412**

Honeoye Falls Plant 364
2049 HF's #6 RD
Honeoye Falls, NY 14472
585-624-1220.

11/6/2018 07:49 In : 7:34:31
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 986158 CPU/COOPER VISION 2018
P.O. :

Tkt. No. 1504160981

Product 074340
No 2 Crusher Run
S.O. Info
Ship Ref: CPU/COOPER VISION 2018

	Pounds	Kilo
Gross	63,260	28,694
Tare	26,120	11,848
Net	37,140	16,846
	18.57 Ton	16.85

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	18.57	Loads:
Tons To Date:	218.77	1
Today Tonnes	16.85	
Tonnes To Date:	198.46	

Carrier :
Vehicle: HFSWAN17 SWAN EQUIPMENT &
License: 123
MaxGVW: 67,000
Received:
Weighmaster: Clement, Holly #602879
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 [2] Scale: 1

Hanson **Plant: 36412**

Honeoye Falls Plant 364
2049 HF's #6 RD
Honeoye Falls, NY 14472
585-624-1220.

11/6/2018 09:25 In :
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 986158 CPU/COOPER VISION 2018
P.O. :

Tkt. No. 1504161035

Product 074340
No 2 Crusher Run
S.O. Info:
Ship Ref: CPU/COOPER VISION 2018

	Pounds	Kilo
Gross	64,140	29,093
Tare	26,120 *	11,848
Net	38,020	17,246

19.01 Ton 17.25
* Predetermined Tare

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	37.58	Loads:
Tons To Date:	237.78	2
Today Tonnes	34.09	
Tonnes To Date:	215.71	

Carrier :
Vehicle: HFSWAN17 SWAN EQUIPMENT &
License: 123
MaxGVW: 67.000
Received:
Weighmaster: Clement. Holly #602879
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 [2] Scale: 1

Hanson

Plant: 36412

Honeoye Falls Plant 364
2049 HFs #6 RD
Honeoye Falls, NY 14472
585-624-1220.

11/5/2018 11:56 In : 11:41:54
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 990225 CPU COOPERVISION CAFE-2018
P O : 25-2018

Tkt. No. 1504160872

Product 074340
No 2 Crusher Run
S.O. Info:
Ship Ref: CPU/COOPERVISION CAFE-2018
711 NORTH RD SCOTTSVILLE

	Pounds	Kilo
Gross	66,080	29,973
Tare	25,980 *	11,784
Net	40,100	18,189
	20.05 Ton	18.19

* Predetermined Tare

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	20.05	Loads:
Tons To Date:	20.05	1
Today Tonnes	18.19	
Tonnes To Date:	18.19	

Carrier :
Vehicle: HFSWAN23 SWAN EQUIPMENT &
License: 123
MaxGVW: 68,000

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.

Received: _____ Cust: _____

Weighmaster: Clement, Holly #602879
P/D Status: **Pickup**

Customer Do Not Accept !!! Scale: 1

Hanson **Plant: 36412**

Honeoye Falls Plant 364
2049 HF's #6 RD
Honeoye Falls, NY 14472
585-624-1220.

11/6/2018 07:49 In : 7:34:31
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 986158 CPU/COOPER VISION 2018
P.O. :

Tkt. No. 1504160981

Product 074340
No 2 Crusher Run
S.O. Info
Ship Ref: CPU/COOPER VISION 2018

	Pounds	Kilo
Gross	63,260	28,694
Tare	26,120	11,848
Net	37,140	16,846
	18.57 Ton	16.85

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	18.57	Loads:
Tons To Date:	218.77	1
Today Tonnes	16.85	
Tonnes To Date:	198.46	

Carrier :
Vehicle: HFSWAN17 SWAN EQUIPMENT &
License: 123
MaxGVW: 67,000
Received:
Weighmaster: Clement, Holly #602879
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 [2] Scale: 1

Hanson **Plant: 36412**

Honeoye Falls Plant 364
2049 HF's #6 RD
Honeoye Falls, NY 14472
585-624-1220.

11/6/2018 09:25 In :
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 986158 CPU/COOPER VISION 2018
P.O. :

Tkt. No. 1504161035

Product 074340
No 2 Crusher Run
S.O. Info:
Ship Ref: CPU/COOPER VISION 2018

	Pounds	Kilo
Gross	64,140	29,093
Tare	26,120 *	11,848
Net	38,020	17,246

19.01 Ton 17.25
* Predetermined Tare

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	37.58	Loads:
Tons To Date:	237.78	2
Today Tonnes	34.09	
Tonnes To Date:	215.71	

Carrier :
Vehicle: HFSWAN17 SWAN EQUIPMENT &
License: 123
MaxGVW: 67.000
Received:
Weighmaster: Clement. Holly #602879
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 [2] Scale: 1

Hanson **Plant: 36412** **Honeoye Falls Plant 364**

2049 HF's #6 RD
Honeoye Falls, NY 14472
585-624-1220.

11/6/2018 11:55 In :
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 986158 CPU/COOPER VISION 2018
P.O. :

Tkt. No. 1504161109

Product 074336
No 1 Crusher Run
S.O. Info:
Ship Ref: CPU/COOPER VISION 2018

	Pounds	Kilo
Gross	64,400	29,211
Tare	26,120 *	11,848
Net	38,280	17,364

19.14 Ton 17.36

* Predetermined Tare

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	19.14	Loads:
Tons To Date:	117.40	1
Today Tonnes	17.36	
Tonnes To Date:	106.50	

Carrier :
Vehicle: HFSWAN17 SWAN EQUIPMENT &
License: 123
MaxGVW: 67,000
Received:
Weighmaster: Clement, Holly #602879
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 [2] Scale: 1

Hanson

Plant: 36412

Honeoye Falls
2049 HF's #6 RD
Honeoye Falls, NY 14472
585-624-1220.

11/6/2018 13:19 In :
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 986158 CPU/COOPER VISION 2018
P.O. :

Tkt. No. 1504161142

Product 074336
No 1 Crusher Run
S.O. Info:
Ship Ref: CPU/COOPER VISION 2018

	Pounds	Kilo
Gross	63,140	28,640
Tare	26,120 *	11,848
Net	37,020	16,792

18.51 Ton 16.79

* Predetermined Tare

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	37.65	Loads:
Tons To Date:	135.91	2
Today Tonnes	34.16	
Tonnes To Date:	123.30	

Carrier :
Vehicle: HFSWAN17 SWAN EQUIPMENT &
License: 123
MaxGVW: 67,000
Received:

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: _____

Weighmaster: Clement, Holly #602879
P/D Status: **Pickup**

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

11/6/2018 14:17 In :
Customer: 8523746 L G EVANS CONSTRUCTION INC
Order : 986158 CPU/COOPER VISION 2018
P.O. :

Tkt. No. 1504161169

Product 074336
No 1 Crusher Run
S.O. Info:
Ship Ref: CPU/COOPER VISION 2018

	Pounds	Kilo
Gross	62,380	28,295
Tare	26,120 *	11,848
Net	36,260	16,447

18.13 Ton 16.45

* Predetermined Tare

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	55.78	Loads:
Tons To Date:	154.04	3
Today Tonnes	50.60	
Tonnes To Date:	139.74	

Carrier :
Vehicle: HFSWAN17 SWAN EQUIPMENT &
License: 123
MaxGVW: 67,000

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 withrespect to same

CURB DELIVERY ONLY.NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.

Received: Cust:

Hanson

Plant: 36412

Honeoye Falls Plant 364
2049 HF's #6 RD
Honeoye Falls, NY 14472
585-624-1220,

1/18/2019 10:10 In : 10:04:02
Customer: 8180780 HAMILTON STERN CONSTRUCTION
Order : 1003649 PP/711 NORTH RD SCOTTSVILLE-19
P.O. : 18-131

Tkt. No. 1504168229

Product 074307
1
S.O. Info:
Ship Ref: PP/711 NORTH RD SCOTTSVILLE-19

	Pounds	Kilo
Gross	21,040	9,544
Tare	16,600	7,530
Net	4,440	2,014
	2.22 Ton	2.01

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	2.22	Loads:
Tons To Date:	2.22	1
Today Tonnes	2.01	
Tonnes To Date:	2.01	

Carrier : 5614124 JOHN HASTINGS LLC
Vehicle: HFJH02 HASTINGS, JOHN (GRA
License: .
MaxGVW: 40,000

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 holdseller harmless against any and all claims with respect to same
CURB DELIVERY ONLY .NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.

Received:_____ Cust: _____
Weighmaster: Graham, Sara #603663
P/D Status: **Deliver**

Customer Copy Scale: 1

Hanson

Plant: 36412

Honeoye Falls Plant 364
2049 HF's #6 RD
Honeoye Falls, NY 14472
585-624-1220,

1/18/2019 10:10 In : 10:04:02
Customer: 8180780 HAMILTON STERN CONSTRUCTION
Order : 1003649 PP/711 NORTH RD SCOTTSVILLE-19
P.O. : 18-131

Tkt. No. 1504168229

Product 074307
1
S.O. Info:
Ship Ref: PP/711 NORTH RD SCOTTSVILLE-19

	Pounds	Kilo
Gross	21,040	9,544
Tare	16,600	7,530
Net	4,440	2,014
	2.22 Ton	2.01

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	2.22	Loads:
Tons To Date:	2.22	1
Today Tonnes	2.01	
Tonnes To Date:	2.01	

Carrier : 5614124 JOHN HASTINGS LLC
Vehicle: HFJH02 HASTINGS, JOHN (GRA
License: .
MaxGVW: 40,000

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.

Received:_____ Cust: _____
Weighmaster: Graham, Sara #603663
P/D Status: **Deliver**

Customer Do Not Accept [2] Scale: 1

STERILIZER RM TRENCH FILL

CHEMISTRY LAB STONE

Hanson ~~Plant: 36412~~

Honeoye Falls Plant 364
2049 HF's #6 RD
Honeoye Falls, NY 14472
585-624-1220,

5/1/2019 07:15 In : 6:58:32
Customer: 8180780 HAMILTON STERN CONSTRUCTION
Order : 1003649 PP/711 NORTH RD SCOTTSVILLE-19
P.O. : 18-131

Tkt. No. 1504178050

Product 074307
1
S.O. Info: 619 0101
Ship Ref: PP/711 NORTH RD SCOTTSVILLE-19

	Pounds	Kilo
Gross	68,740	31,180
Tare	29,200	13,245
Net	39,540	17,935
	19.77 Ton	17.94

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	19.77	Loads:
Tons To Date:	21.99	1
Today Tonnes	17.94	
Tonnes To Date:	19.95	

Carrier : 5614124 JOHN HASTINGS LLC
Vehicle: HFJH022 JOHN HASTINGS
License: +
MaxGVW: 71,250

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 holdseller harmless against any and all claims with respect to same
CURB DELIVERY ONLY.NOT RESPONSIBLE FOR ANY DAMAGE BEYOND CURB.

Received:_____ Cust: _____
Weighmaster: Clement, Holly #602879
P/D Status: **Deliver**

Customer Copy Scale: 1

Hanson **Plant: 36412**

Honeoye Falls Plant 364
2049 HF's #6 RD
Honeoye Falls, NY 14472
585-624-1220,

5/1/2019 07:15 In : 6:58:32
Customer: 8180780 HAMILTON STERN CONSTRUCTION
Order : 1003649 PP/711 NORTH RD SCOTTSVILLE-19
P.O. : 18-131

Tkt. No. 1504178050

Product 074307
1
S.O. Info: 619.0101
Ship Ref: PP/711 NORTH RD SCOTTSVILLE-19

	Pounds	Kilo
Gross	68,740	31,180
Tare	29,200	13,245
Net	39,540	17,935
	19.77 Ton	17.94

UNIT	TOTALS
Material:	
Freight:	
Tax:	
Fee / Fuel:	
Other Chrg: No	

Today Tons:	19.77	Loads:
Tons To Date:	21.99	1
Today Tonnes	17.94	
Tonnes To Date:	19.95	

Carrier : 5614124 JOHN HASTINGS LLC
Vehicle: HFJH022 JOHN HASTINGS
License: +
MaxGVW: 71,250

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.

Received:_____ Cust: _____
Weighmaster: Clement, Holly #602879
P/D Status: **Deliver**

Customer Do Not Accept [2] Scale: 1

CHEMISTRY LAB STONE

APPENDIX F

Community Air Monitoring Program Data

HALEY ALDRICH

HA-2 UPWIND S

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 6:16	0	
5/30/2018 6:17	0	-
5/30/2018 6:18	0	-
5/30/2018 6:19	0	-
5/30/2018 6:20	0	0.02
5/30/2018 6:21	0	0.02
5/30/2018 6:22	0	0.0193
5/30/2018 6:23	0	0.0193
5/30/2018 6:24	0	0.0192
5/30/2018 6:25	0	0.0192
5/30/2018 6:26	0	0.0191
5/30/2018 6:27	0	0.0191
5/30/2018 6:28	0	0.019
5/30/2018 6:29	0	0.0189
5/30/2018 6:30	0	0.0188
5/30/2018 6:31	0	0.0187
5/30/2018 6:32	0	0.0187
5/30/2018 6:33	0	0.0186
5/30/2018 6:34	0	0.0185
5/30/2018 6:35	0	0.0185
5/30/2018 6:36	0	0.0184
5/30/2018 6:37	0	0.0184
5/30/2018 6:38	0	0.0183
5/30/2018 6:39	0	0.0183
5/30/2018 6:40	0	0.0183
5/30/2018 6:41	0	0.0184
5/30/2018 6:42	0	0.0183
5/30/2018 6:43	0	0.0184
5/30/2018 6:44	0	0.0184
5/30/2018 6:45	0	0.0185
5/30/2018 6:46	0	0.0185
5/30/2018 6:47	0	0.0186
5/30/2018 6:48	0	0.0188
5/30/2018 6:49	0	0.019
5/30/2018 6:50	0	0.0192
5/30/2018 6:51	0	0.0193
5/30/2018 6:52	0	0.0198
5/30/2018 6:53	0	0.0201
5/30/2018 6:54	0	0.0203
5/30/2018 6:55	0	0.0205
5/30/2018 6:56	0	0.0205
5/30/2018 6:57	0	0.0209
5/30/2018 6:58	0	0.0212
5/30/2018 6:59	0	0.0213
5/30/2018 7:00	0	0.0213

HA-2 UPWIND S

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 7:01	0	0.0213
5/30/2018 7:02	0	0.0213
5/30/2018 7:03	0	0.0213
5/30/2018 7:04	0	0.0212
5/30/2018 7:05	0	0.0211
5/30/2018 7:06	0	0.021
5/30/2018 7:07	0	0.0207
5/30/2018 7:08	0	0.0207
5/30/2018 7:09	0	0.0207
5/30/2018 7:10	0	0.0206
5/30/2018 7:11	0	0.0205
5/30/2018 7:12	0	0.0203
5/30/2018 7:13	0	0.0201
5/30/2018 7:14	0	0.02
5/30/2018 7:15	0	0.02
5/30/2018 7:16	0	0.0201
5/30/2018 7:17	0	0.0202
5/30/2018 7:18	0	0.0203
5/30/2018 7:19	0	0.0204
5/30/2018 7:20	0	0.0205
5/30/2018 7:21	0	0.0206
5/30/2018 7:22	0	0.0206
5/30/2018 7:23	0	0.0205
5/30/2018 7:24	0	0.0205
5/30/2018 7:25	0	0.0206
5/30/2018 7:26	0	0.0218
5/30/2018 7:27	0	0.0219
5/30/2018 7:28	0	0.0219
5/30/2018 7:29	0	0.0221
5/30/2018 7:30	0	0.0223
5/30/2018 7:31	0	0.0225
5/30/2018 7:32	0	0.0225
5/30/2018 7:33	0	0.0227
5/30/2018 7:34	0	0.0228
5/30/2018 7:35	0	0.023
5/30/2018 7:36	0	0.0231
5/30/2018 7:37	0	0.0232
5/30/2018 7:38	0	0.0233
5/30/2018 7:39	0	0.0235
5/30/2018 7:40	0	0.0237
5/30/2018 7:41	0	0.0227
5/30/2018 7:42	0	0.0229
5/30/2018 7:43	0	0.0229
5/30/2018 7:44	0	0.0229
5/30/2018 7:45	0	0.0229

HA-2 UPWIND S

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 7:46	0	0.023
5/30/2018 7:47	0	0.0236
5/30/2018 7:48	0	0.0239
5/30/2018 7:49	0	0.024
5/30/2018 7:50	0	0.024
5/30/2018 7:51	0	0.0241
5/30/2018 7:52	0	0.0242
5/30/2018 7:53	0	0.0244
5/30/2018 7:54	0	0.0244
5/30/2018 7:55	0	0.0246
5/30/2018 7:56	0	0.025
5/30/2018 7:57	0	0.0252
5/30/2018 7:58	0	0.0254
5/30/2018 7:59	0	0.0255
5/30/2018 8:00	0	0.0257
5/30/2018 8:01	0	0.0257
5/30/2018 8:02	0	0.0253
5/30/2018 8:03	0	0.0253
5/30/2018 8:04	0	0.0255
5/30/2018 8:05	0	0.0255
5/30/2018 8:06	0	0.0261
5/30/2018 8:07	0	0.0267
5/30/2018 8:08	0	0.0266
5/30/2018 8:09	0	0.027
5/30/2018 8:10	0	0.0271
5/30/2018 8:11	0	0.0269
5/30/2018 8:12	0	0.027
5/30/2018 8:13	0	0.0271
5/30/2018 8:14	0	0.0273
5/30/2018 8:15	0	0.0273
5/30/2018 8:16	0	0.0272
5/30/2018 8:17	0	0.0271
5/30/2018 8:18	0	0.0269
5/30/2018 8:19	0	0.0267
5/30/2018 8:20	0	0.0267
5/30/2018 8:21	0	0.0261
5/30/2018 8:22	0	0.0256
5/30/2018 8:23	0	0.0257
5/30/2018 8:24	0	0.0254
5/30/2018 8:25	0	0.0253
5/30/2018 8:26	0	0.0252
5/30/2018 8:27	0	0.0251
5/30/2018 8:28	0	0.0252
5/30/2018 8:29	0	0.0252
5/30/2018 8:30	0	0.0253

HA-2 UPWIND S

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 8:31	0	0.0255
5/30/2018 8:32	0	0.0259
5/30/2018 8:33	0	0.0261
5/30/2018 8:34	0	0.0263
5/30/2018 8:35	0	0.0265
5/30/2018 8:36	0	0.0267
5/30/2018 8:37	0	0.0269
5/30/2018 8:38	0	0.0269
5/30/2018 8:39	0	0.0269
5/30/2018 8:40	0	0.0269
5/30/2018 8:41	0	0.0269
5/30/2018 8:42	0	0.0268
5/30/2018 8:43	0	0.0269
5/30/2018 8:44	0	0.0268
5/30/2018 8:45	0	0.0269
5/30/2018 8:46	0	0.0269
5/30/2018 8:47	0	0.0267
5/30/2018 8:48	0	0.0267
5/30/2018 8:49	0	0.0269
5/30/2018 8:50	0	0.027
5/30/2018 8:51	0	0.027
5/30/2018 8:52	0	0.0271
5/30/2018 8:53	0	0.0271
5/30/2018 8:54	0	0.0272
5/30/2018 8:55	0	0.0273
5/30/2018 8:56	0	0.0273
5/30/2018 8:57	0	0.0275
5/30/2018 8:58	0	0.028
5/30/2018 8:59	0	0.0281
5/30/2018 9:00	0	0.028
5/30/2018 9:01	0	0.028
5/30/2018 9:02	0	0.0281
5/30/2018 9:03	0	0.0282
5/30/2018 9:04	0	0.0279
5/30/2018 9:05	0	0.0279
5/30/2018 9:06	0	0.028
5/30/2018 9:07	0	0.028
5/30/2018 9:08	0	0.0281
5/30/2018 9:09	0	0.0282
5/30/2018 9:10	0	0.0285
5/30/2018 9:11	0	0.0286
5/30/2018 9:12	0	0.0285
5/30/2018 9:13	0	0.028
5/30/2018 9:14	0	0.0281
5/30/2018 9:15	0	0.0285

HA-2 UPWIND S

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 9:16	0	0.0287
5/30/2018 9:17	0	0.0289
5/30/2018 9:18	0	0.0289
5/30/2018 9:19	0	0.0291
5/30/2018 9:20	0	0.0293
5/30/2018 9:21	0	0.0295
5/30/2018 9:22	0	0.0296
5/30/2018 9:23	0	0.0297
5/30/2018 9:24	0	0.0297
5/30/2018 9:25	0	0.0296
5/30/2018 9:26	0	0.0297
5/30/2018 9:27	0	0.0299
5/30/2018 9:28	0	0.0301
5/30/2018 9:29	0	0.03
5/30/2018 9:30	0	0.0299
5/30/2018 9:31	0	0.0299
5/30/2018 9:32	0	0.03
5/30/2018 9:33	0	0.0305
5/30/2018 9:34	0	0.0307
5/30/2018 9:35	0	0.0307
5/30/2018 9:36	0	0.0307
5/30/2018 9:37	0	0.0307
5/30/2018 9:38	0	0.0307
5/30/2018 9:39	0	0.031
5/30/2018 9:40	0	0.0314
5/30/2018 9:41	0	0.0314
5/30/2018 9:42	0	0.0313
5/30/2018 9:43	0	0.0317
5/30/2018 9:44	0	0.0317
5/30/2018 9:45	0	0.0316
5/30/2018 9:46	0	0.0317
5/30/2018 9:47	0	0.0317
5/30/2018 9:48	0	0.0313
5/30/2018 9:49	0	0.0311
5/30/2018 9:50	0	0.0314
5/30/2018 9:51	0	0.0323
5/30/2018 9:52	0	0.0324
5/30/2018 9:53	0	0.0323
5/30/2018 9:54	0	0.0321
5/30/2018 9:55	0	0.0318
5/30/2018 9:56	0	0.0318
5/30/2018 9:57	0	0.0319
5/30/2018 9:58	0	0.0313
5/30/2018 9:59	0	0.0313
5/30/2018 10:00	0	0.0314

HA-2 UPWIND S

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 10:01	0	0.0313
5/30/2018 10:02	0	0.0314
5/30/2018 10:03	0	0.0314
5/30/2018 10:04	0	0.0314
5/30/2018 10:05	0	0.0311
5/30/2018 10:06	0	0.0302
5/30/2018 10:07	0	0.0301
5/30/2018 10:08	0	0.0302
5/30/2018 10:09	0	0.0303
5/30/2018 10:10	0	0.0303
5/30/2018 10:11	0	0.0305
5/30/2018 10:12	0	0.0306
5/30/2018 10:13	0	0.0308
5/30/2018 10:14	0	0.0309
5/30/2018 10:15	0	0.031
5/30/2018 10:16	0	0.0311
5/30/2018 10:17	0	0.0312
5/30/2018 10:18	0	0.0311
5/30/2018 10:19	0	0.0313
5/30/2018 10:20	0	0.0315
5/30/2018 10:21	0	0.0319
5/30/2018 10:22	0	0.0323
5/30/2018 10:23	0	0.0326
5/30/2018 10:24	0	0.0326
5/30/2018 10:25	0	0.0327
5/30/2018 10:26	0	0.0328
5/30/2018 10:27	0	0.033
5/30/2018 10:28	0	0.0332
5/30/2018 10:29	0	0.0337
5/30/2018 10:30	0	0.0339
5/30/2018 10:31	0	0.0341
5/30/2018 10:32	0	0.0342
5/30/2018 10:33	0	0.0345
5/30/2018 10:34	0	0.0345
5/30/2018 10:35	0	0.0343
5/30/2018 10:36	0	0.0339
5/30/2018 10:37	0	0.0337
5/30/2018 10:38	0	0.0333
5/30/2018 10:39	0	0.0333
5/30/2018 10:40	0	0.0333
5/30/2018 10:41	0	0.0331
5/30/2018 10:42	0	0.0329
5/30/2018 10:43	0	0.0327
5/30/2018 10:44	0	0.0323
5/30/2018 10:45	0	0.0321

HA-2 UPWIND S

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 10:46	0	0.0319
5/30/2018 10:47	0	0.0319
5/30/2018 10:48	0	0.0318
5/30/2018 10:49	0	0.0317
5/30/2018 10:50	0	0.0317
5/30/2018 10:51	0	0.0316
5/30/2018 10:52	0	0.0315
5/30/2018 10:53	0	0.0314
5/30/2018 10:54	0	0.0313
5/30/2018 10:55	0	0.0311
5/30/2018 10:56	0	0.0309
5/30/2018 10:57	0	0.0307
5/30/2018 10:58	0	0.0305
5/30/2018 10:59	0	0.0303
5/30/2018 11:00	0	0.0299
5/30/2018 11:01	0	0.0297
5/30/2018 11:02	0	0.0293
5/30/2018 11:03	0	0.0289
5/30/2018 11:04	0	0.0286
5/30/2018 11:05	0	0.0283
5/30/2018 11:06	0	0.0281
5/30/2018 11:07	0	0.0278
5/30/2018 11:08	0	0.0276
5/30/2018 11:09	0	0.0273
5/30/2018 11:10	0	0.0271
5/30/2018 11:11	0	0.0269
5/30/2018 11:12	0	0.0269
5/30/2018 11:13	0	0.0269
5/30/2018 11:14	0	0.027
5/30/2018 11:15	0	0.027
5/30/2018 11:16	0	0.0269
5/30/2018 11:17	0	0.0269
5/30/2018 11:18	0	0.0269
5/30/2018 11:19	0	0.0269
5/30/2018 11:20	0	0.0269
5/30/2018 11:21	0	0.0269
5/30/2018 11:22	0	0.0269
5/30/2018 11:23	0	0.0268
5/30/2018 11:24	0	0.0268
5/30/2018 11:25	0	0.0268
5/30/2018 11:26	0	0.0268
5/30/2018 11:27	0	0.0267
5/30/2018 11:28	0	0.0265
5/30/2018 11:29	0	0.0263
5/30/2018 11:30	0	0.0263

HA-2 UPWIND S

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 11:31	0	0.0261
5/30/2018 11:32	0	0.0259
5/30/2018 11:33	0	0.0261
5/30/2018 11:34	0	0.0262
5/30/2018 11:35	0	0.0262
5/30/2018 11:36	0	0.0261
5/30/2018 11:37	0	0.0261
5/30/2018 11:38	0	0.0262
5/30/2018 11:39	0	0.0263
5/30/2018 11:40	0	0.0263
5/30/2018 11:41	0	0.0263
5/30/2018 11:42	0	0.0269
5/30/2018 11:43	0	0.0268
5/30/2018 11:44	0	0.0267
5/30/2018 11:45	0	0.0267
5/30/2018 11:46	0	0.0269
5/30/2018 11:47	0	0.027
5/30/2018 11:48	0	0.0266
5/30/2018 11:49	0	0.0264
5/30/2018 11:50	0	0.0263
5/30/2018 11:51	0	0.0262
5/30/2018 11:52	0	0.0265
5/30/2018 11:53	0	0.0265
5/30/2018 11:54	0	0.0265
5/30/2018 11:55	0	0.0264
5/30/2018 11:56	0	0.0265
5/30/2018 11:57	0	0.0261
5/30/2018 11:58	0	0.0261
5/30/2018 11:59	0	0.026
5/30/2018 12:00	0	0.0258
5/30/2018 12:01	0	0.0255
5/30/2018 12:02	0	0.0255
5/30/2018 12:03	0	0.0254
5/30/2018 12:04	0	0.0253
5/30/2018 12:05	0	0.0251
5/30/2018 12:06	0	0.025
5/30/2018 12:07	0	0.0248
5/30/2018 12:08	0	0.0248
5/30/2018 12:09	0	0.0247
5/30/2018 12:10	0	0.0246
5/30/2018 12:11	0	0.0244
5/30/2018 12:12	0	0.0243
5/30/2018 12:13	0	0.0241
5/30/2018 12:14	0	0.0241
5/30/2018 12:15	0	0.0246

HA-2 UPWIND S

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 12:16	0	0.0251
5/30/2018 12:17	0	0.0255
5/30/2018 12:18	0	0.0256
5/30/2018 12:19	0	0.0257
5/30/2018 12:20	0	0.0259
5/30/2018 12:21	0	0.026
5/30/2018 12:22	0	0.0257
5/30/2018 12:23	0	0.0256
5/30/2018 12:24	0	0.0255
5/30/2018 12:25	0	0.0255
5/30/2018 12:26	0	0.0255
5/30/2018 12:27	0	0.0253
5/30/2018 12:28	0	0.0253
5/30/2018 12:29	0	0.0253
5/30/2018 12:30	0	0.0247
5/30/2018 12:31	0	0.0243
5/30/2018 12:32	0	0.0239
5/30/2018 12:33	0	0.024
5/30/2018 12:34	0	0.026
5/30/2018 12:35	0	0.0262
5/30/2018 12:36	0	0.0264
5/30/2018 12:37	0	0.0264
5/30/2018 12:38	0	0.0263
5/30/2018 12:39	0	0.0264
5/30/2018 12:40	0	0.0264
5/30/2018 12:41	0	0.0264
5/30/2018 12:42	0	0.0265
5/30/2018 12:43	0	0.0269
5/30/2018 12:44	0	0.0271

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 7:16	0	
5/31/2018 7:17	0	
5/31/2018 7:18	0	
5/31/2018 7:19	0	0
5/31/2018 7:20	0	-0.0005
5/31/2018 7:21	0	-0.001
5/31/2018 7:22	0	-0.0013
5/31/2018 7:23	0	-0.0012
5/31/2018 7:24	0	-0.0012
5/31/2018 7:25	0	-0.001
5/31/2018 7:26	0	-0.001
5/31/2018 7:27	0	-0.0007
5/31/2018 7:28	0	-0.0006
5/31/2018 7:29	0	-0.0005
5/31/2018 7:30	0	-0.0005
5/31/2018 7:31	0	-0.0005
5/31/2018 7:32	0	-0.0006
5/31/2018 7:33	0	-0.0007
5/31/2018 7:34	0	-0.0009
5/31/2018 7:35	0	-0.0009
5/31/2018 7:36	0	-0.0008
5/31/2018 7:37	0	-0.0005
5/31/2018 7:38	0	-0.0005
5/31/2018 7:39	0	-0.0004
5/31/2018 7:40	0	-0.0005
5/31/2018 7:41	0	-0.0006
5/31/2018 7:42	0	-0.0009
5/31/2018 7:43	0	-0.001
5/31/2018 7:44	0	-0.0011
5/31/2018 7:45	0	-0.0013
5/31/2018 7:46	0	-0.0014
5/31/2018 7:47	0	-0.0015
5/31/2018 7:48	0	-0.0017
5/31/2018 7:49	0	-0.0017
5/31/2018 7:50	0	-0.002
5/31/2018 7:51	0	-0.0022
5/31/2018 7:52	0	-0.0025
5/31/2018 7:53	0	-0.0025
5/31/2018 7:54	0	-0.0027
5/31/2018 7:55	0	-0.0027
5/31/2018 7:56	0	-0.0028
5/31/2018 7:57	0	-0.003
5/31/2018 7:58	0	-0.0032
5/31/2018 7:59	0	-0.0033
5/31/2018 8:00	0	-0.0034

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 8:01	0	-0.0035
5/31/2018 8:02	0	-0.0035
5/31/2018 8:03	0	-0.0035
5/31/2018 8:04	0	-0.0034
5/31/2018 8:05	0	-0.0032
5/31/2018 8:06	0	-0.003
5/31/2018 8:07	0	-0.0029
5/31/2018 8:08	0	-0.0029
5/31/2018 8:09	0	-0.0027
5/31/2018 8:10	0	-0.0023
5/31/2018 8:11	0	-0.0022
5/31/2018 8:12	0	-0.0019
5/31/2018 8:13	0	-0.0017
5/31/2018 8:14	0	-0.0015
5/31/2018 8:15	0	-0.0013
5/31/2018 8:16	0	-0.001
5/31/2018 8:17	0	-0.0008
5/31/2018 8:18	0	-0.0005
5/31/2018 8:19	0	-0.0004
5/31/2018 8:20	0	-0.0003
5/31/2018 8:21	0	-0.0003
5/31/2018 8:22	0	-0.0005
5/31/2018 8:23	0	-0.0005
5/31/2018 8:24	0	-0.0007
5/31/2018 8:25	0	-0.001
5/31/2018 8:26	0	-0.001
5/31/2018 8:27	0	-0.0011
5/31/2018 8:28	0	-0.0011
5/31/2018 8:29	0	-0.0012
5/31/2018 8:30	0	-0.0013
5/31/2018 8:31	0	-0.0015
5/31/2018 8:32	0	-0.0015
5/31/2018 8:33	0	-0.0017
5/31/2018 8:34	0	-0.0019
5/31/2018 8:35	0	-0.002
5/31/2018 8:36	0	-0.002
5/31/2018 8:37	0	-0.0017
5/31/2018 8:38	0	-0.0014
5/31/2018 8:39	0	-0.001
5/31/2018 8:40	0	-0.0009
5/31/2018 8:41	0	-0.0007
5/31/2018 8:42	0	-0.0001
5/31/2018 8:43	0	0.0002
5/31/2018 8:44	0	0.0007
5/31/2018 8:45	0	0.0009

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 8:46	0	0.0011
5/31/2018 8:47	0	0.0013
5/31/2018 8:48	0	0.0015
5/31/2018 8:49	0	0.0017
5/31/2018 8:50	0	0.0019
5/31/2018 8:51	0	0.0021
5/31/2018 8:52	0	0.0019
5/31/2018 8:53	0	0.0018
5/31/2018 8:54	0	0.0015
5/31/2018 8:55	0	0.0015
5/31/2018 8:56	0	0.0015
5/31/2018 8:57	0	0.001
5/31/2018 8:58	0	0.0009
5/31/2018 8:59	0	0.0007
5/31/2018 9:00	0	0.0007
5/31/2018 9:01	0	0.0006
5/31/2018 9:02	0	0.0005
5/31/2018 9:03	0	0.0005
5/31/2018 9:04	0	0.0004
5/31/2018 9:05	0	0.0005
5/31/2018 9:06	0	0.0003
5/31/2018 9:07	0	0.0002
5/31/2018 9:08	0	0.0001
5/31/2018 9:09	0	0
5/31/2018 9:10	0	-0.0001
5/31/2018 9:11	0	-0.0001
5/31/2018 9:12	0	-0.0002
5/31/2018 9:13	0	-0.0003
5/31/2018 9:14	0	-0.0005
5/31/2018 9:15	0	-0.0006
5/31/2018 9:16	0	-0.0007
5/31/2018 9:17	0	-0.0007
5/31/2018 9:18	0	-0.0008
5/31/2018 9:19	0	-0.0008
5/31/2018 9:20	0	-0.001
5/31/2018 9:21	0	-0.0009
5/31/2018 9:22	0	-0.0009
5/31/2018 9:23	0	-0.0008
5/31/2018 9:24	0	-0.0007
5/31/2018 9:25	0	-0.0007
5/31/2018 9:26	0	-0.0006
5/31/2018 9:27	0	-0.0005
5/31/2018 9:28	0	-0.0005
5/31/2018 9:29	0	-0.0003
5/31/2018 9:30	0	-0.0002

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 9:31	0	-0.0001
5/31/2018 9:32	0	-0.0001
5/31/2018 9:33	0	0
5/31/2018 9:34	0	0.0001
5/31/2018 9:35	0	0.0001
5/31/2018 9:36	0	0.0001
5/31/2018 9:37	0	0.0001
5/31/2018 9:38	0	0.0001
5/31/2018 9:39	0	0.0001
5/31/2018 9:40	0	0.0001
5/31/2018 9:41	0	0
5/31/2018 9:42	0	0
5/31/2018 9:43	0	0
5/31/2018 9:44	0	-0.0002
5/31/2018 9:45	0	-0.0002
5/31/2018 9:46	0	-0.0001
5/31/2018 9:47	0	-0.0002
5/31/2018 9:48	0	-0.0003
5/31/2018 9:49	0	-0.0003
5/31/2018 9:50	0	-0.0004
5/31/2018 9:51	0	-0.0005
5/31/2018 9:52	0	-0.0005
5/31/2018 9:53	0	-0.0006
5/31/2018 9:54	0	-0.0005
5/31/2018 9:55	0	-0.0006
5/31/2018 9:56	0	-0.0007
5/31/2018 9:57	0	-0.0007
5/31/2018 9:58	0	-0.0008
5/31/2018 9:59	0	-0.0008
5/31/2018 10:00	0	-0.0009
5/31/2018 10:01	0	-0.001
5/31/2018 10:02	0	-0.001
5/31/2018 10:03	0	-0.0008
5/31/2018 10:04	0	-0.0007
5/31/2018 10:05	0	-0.0007
5/31/2018 10:06	0	-0.0004
5/31/2018 10:07	0	-0.0002
5/31/2018 10:08	0	0.0008
5/31/2018 10:09	0	0.0007
5/31/2018 10:10	0	0.0007
5/31/2018 10:11	0	0.0008
5/31/2018 10:12	0	0.0008
5/31/2018 10:13	0	0.0008
5/31/2018 10:14	0	0.0008
5/31/2018 10:15	0	0.0008

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 10:16	0	0.0008
5/31/2018 10:17	0	0.0008
5/31/2018 10:18	0	0.0006
5/31/2018 10:19	0	0.0006
5/31/2018 10:20	0	0.0006
5/31/2018 10:21	0	0.0003
5/31/2018 10:22	0	0.0001
5/31/2018 10:23	0	-0.0009
5/31/2018 10:24	0	-0.0009
5/31/2018 10:25	0	-0.0009
5/31/2018 10:26	0	-0.0008
5/31/2018 10:27	0	-0.0007
5/31/2018 10:28	0	-0.0007
5/31/2018 10:29	0	-0.0006
5/31/2018 10:30	0	-0.0005
5/31/2018 10:31	0	-0.0005
5/31/2018 10:32	0	-0.0004
5/31/2018 10:33	0	-0.0003
5/31/2018 10:34	0	-0.0003
5/31/2018 10:35	0	-0.0003
5/31/2018 10:36	0	-0.0003
5/31/2018 10:37	0	-0.0002
5/31/2018 10:38	0	-0.0001
5/31/2018 10:39	0	-0.0001
5/31/2018 10:40	0	0
5/31/2018 10:41	0	0
5/31/2018 10:42	0	0.0001
5/31/2018 10:43	0	0.0002
5/31/2018 10:44	0	0.0002
5/31/2018 10:45	0	0.0002
5/31/2018 10:46	0	0.0002
5/31/2018 10:47	0	0.0002
5/31/2018 10:48	0	0.0002
5/31/2018 10:49	0	0.0002
5/31/2018 10:50	0	0.0002
5/31/2018 10:51	0	0.0002
5/31/2018 10:52	0	0.0002
5/31/2018 10:53	0	0.0002
5/31/2018 10:54	0	0.0003
5/31/2018 10:55	0	0.0002
5/31/2018 10:56	0	0.0002
5/31/2018 10:57	0	0.0001
5/31/2018 10:58	0	0
5/31/2018 10:59	0	0
5/31/2018 11:00	0	0

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 11:01	0	0
5/31/2018 11:02	0	0
5/31/2018 11:03	0	0
5/31/2018 11:04	0	0.0001
5/31/2018 11:05	0	0.0002
5/31/2018 11:06	0	0.0002
5/31/2018 11:07	0	0.0002
5/31/2018 11:08	0	0.0002
5/31/2018 11:09	0	0.0001
5/31/2018 11:10	0	0.0002
5/31/2018 11:11	0	0.0002
5/31/2018 11:12	0	0.0002
5/31/2018 11:13	0	0.0002
5/31/2018 11:14	0	0.0002
5/31/2018 11:15	0	0.0002
5/31/2018 11:16	0	0.0002
5/31/2018 11:17	0	0.0002
5/31/2018 11:18	0	0.0002
5/31/2018 11:19	0	0.0001
5/31/2018 11:20	0	0
5/31/2018 11:21	0	0
5/31/2018 11:22	0	0
5/31/2018 11:23	0	0
5/31/2018 11:24	0	0
5/31/2018 11:25	0	0
5/31/2018 11:26	0	0
5/31/2018 11:27	0	0
5/31/2018 11:28	0	0
5/31/2018 11:29	0	0
5/31/2018 11:30	0	0
5/31/2018 11:31	0	0
5/31/2018 11:32	0	0
5/31/2018 11:33	0	0.0002
5/31/2018 11:34	0	0.0002
5/31/2018 11:35	0	0.0002
5/31/2018 11:36	0	0.0002
5/31/2018 11:37	0	0.0002
5/31/2018 11:38	0	0.0002
5/31/2018 11:39	0	0.0002
5/31/2018 11:40	0	0.0002
5/31/2018 11:41	0	0.0002
5/31/2018 11:42	0	0.0002
5/31/2018 11:43	0	0.0002
5/31/2018 11:44	0	0.0002
5/31/2018 11:45	0	0.0002

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 11:46	0	0.0002
5/31/2018 11:47	0	0.0002
5/31/2018 11:48	0	0
5/31/2018 11:49	0	0
5/31/2018 11:50	0	0.0001
5/31/2018 11:51	0	0.0001
5/31/2018 11:52	0	0.0002
5/31/2018 11:53	0	0.0003
5/31/2018 11:54	0	0.0003
5/31/2018 11:55	0	0.0004
5/31/2018 11:56	0	0.0005
5/31/2018 11:57	0	0.0005
5/31/2018 11:58	0	0.0007
5/31/2018 11:59	0	0.0008
5/31/2018 12:00	0	0.0009
5/31/2018 12:01	0	0.0009
5/31/2018 12:02	0	0.0011
5/31/2018 12:03	0	0.0013
5/31/2018 12:04	0	0.0015
5/31/2018 12:05	0	0.0016
5/31/2018 12:06	0	0.0017
5/31/2018 12:07	0	0.0019
5/31/2018 12:08	0	0.0023
5/31/2018 12:09	0	0.0025
5/31/2018 12:10	0	0.0028
5/31/2018 12:11	0	0.0031
5/31/2018 12:12	0	0.0035
5/31/2018 12:13	0	0.0036
5/31/2018 12:14	0	0.0038
5/31/2018 12:15	0	0.004
5/31/2018 12:16	0	0.0042
5/31/2018 12:17	0	0.0043
5/31/2018 12:18	0	0.0043
5/31/2018 12:19	0	0.0043
5/31/2018 12:20	0	0.0043
5/31/2018 12:21	0	0.0044
5/31/2018 12:22	0	0.0043
5/31/2018 12:23	0	0.0041
5/31/2018 12:24	0	0.004
5/31/2018 12:25	0	0.0039
5/31/2018 12:26	0	0.0038
5/31/2018 12:27	0	0.0038
5/31/2018 12:28	0	0.0038
5/31/2018 12:29	0	0.0038
5/31/2018 12:30	0	0.0038

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 12:31	0	0.0037
5/31/2018 12:32	0	0.0037
5/31/2018 12:33	0	0.0038
5/31/2018 12:34	0	0.0039
5/31/2018 12:35	0	0.0041
5/31/2018 12:36	0	0.0042
5/31/2018 12:37	0	0.0045
5/31/2018 12:38	0	0.0047
5/31/2018 12:39	0	0.0049
5/31/2018 12:40	0	0.005
5/31/2018 12:41	0	0.0051
5/31/2018 12:42	0	0.0052
5/31/2018 12:43	0	0.0053
5/31/2018 12:44	0	0.0054
5/31/2018 12:45	0	0.0056
5/31/2018 12:46	0	0.0058
5/31/2018 12:47	0	0.006
5/31/2018 12:48	0	0.0061
5/31/2018 12:49	0	0.0062
5/31/2018 12:50	0	0.0062
5/31/2018 12:51	0	0.0063
5/31/2018 12:52	0	0.0062
5/31/2018 12:53	0	0.0062
5/31/2018 12:54	0	0.0062
5/31/2018 12:55	0	0.0063
5/31/2018 12:56	0	0.0064
5/31/2018 12:57	0	0.0065
5/31/2018 12:58	0	0.0067
5/31/2018 12:59	0	0.0069
5/31/2018 13:00	0	0.007
5/31/2018 13:01	0	0.0073
5/31/2018 13:02	0	0.0075
5/31/2018 13:03	0	0.0077
5/31/2018 13:04	0	0.008
5/31/2018 13:05	0	0.0083
5/31/2018 13:06	0	0.0087
5/31/2018 13:07	0	0.0089
5/31/2018 13:08	0	0.0092
5/31/2018 13:09	0	0.0095
5/31/2018 13:10	0	0.0097
5/31/2018 13:11	0	0.0097
5/31/2018 13:12	0	0.0099
5/31/2018 13:13	0	0.0099
5/31/2018 13:14	0	0.0101
5/31/2018 13:15	0	0.0102

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 13:16	0	0.0102
5/31/2018 13:17	0	0.0103
5/31/2018 13:18	0	0.0103
5/31/2018 13:19	0	0.0104
5/31/2018 13:20	0	0.0104
5/31/2018 13:21	0	0.0103
5/31/2018 13:22	0	0.0105
5/31/2018 13:23	0	0.0106
5/31/2018 13:24	0	0.0107
5/31/2018 13:25	0	0.0108
5/31/2018 13:26	0	0.011
5/31/2018 13:27	0	0.0111
5/31/2018 13:28	0	0.0112
5/31/2018 13:29	0	0.0113
5/31/2018 13:30	0	0.0115
5/31/2018 13:31	0	0.0116
5/31/2018 13:32	0	0.0116
5/31/2018 13:33	0	0.0117
5/31/2018 13:34	0	0.0117
5/31/2018 13:35	0	0.0119
5/31/2018 13:36	0	0.0119
5/31/2018 13:37	0	0.012
5/31/2018 13:38	0	0.012
5/31/2018 13:39	0	0.012
5/31/2018 13:40	0	0.0121
5/31/2018 13:41	0	0.0121
5/31/2018 13:42	0	0.0121
5/31/2018 13:43	0	0.0121
5/31/2018 13:44	0	0.0121
5/31/2018 13:45	0	0.0121
5/31/2018 13:46	0	0.0121
5/31/2018 13:47	0	0.0122
5/31/2018 13:48	0	0.0123
5/31/2018 13:49	0	0.0125
5/31/2018 13:50	0	0.0125
5/31/2018 13:51	0	0.0124
5/31/2018 13:52	0	0.0125
5/31/2018 13:53	0	0.0125
5/31/2018 13:54	0	0.0125
5/31/2018 13:55	0	0.0125
5/31/2018 13:56	0	0.0125
5/31/2018 13:57	0	0.0126
5/31/2018 13:58	0	0.0127
5/31/2018 13:59	0	0.0126
5/31/2018 14:00	0	0.0125

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 14:01	0	0.0125
5/31/2018 14:02	0	0.0124
5/31/2018 14:03	0	0.0123
5/31/2018 14:04	0	0.0122
5/31/2018 14:05	0	0.0122
5/31/2018 14:06	0	0.0122
5/31/2018 14:07	0	0.0121
5/31/2018 14:08	0	0.0121
5/31/2018 14:09	0	0.0123
5/31/2018 14:10	0	0.0123
5/31/2018 14:11	0	0.0123
5/31/2018 14:12	0	0.0123
5/31/2018 14:13	0	0.0123
5/31/2018 14:14	0	0.0123
5/31/2018 14:15	0	0.0123
5/31/2018 14:16	0	0.0124
5/31/2018 14:17	0	0.0125
5/31/2018 14:18	0	0.0125
5/31/2018 14:19	0	0.0125
5/31/2018 14:20	0	0.0126
5/31/2018 14:21	0	0.0127
5/31/2018 14:22	0	0.0127
5/31/2018 14:23	0	0.0127
5/31/2018 14:24	0	0.0126
5/31/2018 14:25	0	0.0126
5/31/2018 14:26	0	0.0127
5/31/2018 14:27	0	0.0126
5/31/2018 14:28	0	0.0125
5/31/2018 14:29	0	0.0126
5/31/2018 14:30	0	0.0125
5/31/2018 14:31	0	0.0124
5/31/2018 14:32	0	0.0123
5/31/2018 14:33	0	0.0122
5/31/2018 14:34	0	0.0121
5/31/2018 14:35	0	0.0119
5/31/2018 14:36	0	0.0117
5/31/2018 14:37	0	0.0117
5/31/2018 14:38	0	0.0115
5/31/2018 14:39	0	0.0114
5/31/2018 14:40	0	0.0112
5/31/2018 14:41	0	0.0109
5/31/2018 14:42	0	0.0107
5/31/2018 14:43	0	0.0107
5/31/2018 14:44	0	0.0105
5/31/2018 14:45	0	0.0103

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 14:46	0	0.0102
5/31/2018 14:47	0	0.0101
5/31/2018 14:48	0	0.0101
5/31/2018 14:49	0	0.01
5/31/2018 14:50	0	0.0099
5/31/2018 14:51	0	0.0097
5/31/2018 14:52	0	0.0097
5/31/2018 14:53	0	0.0097
5/31/2018 14:54	0	0.0097
5/31/2018 14:55	0	0.0099
5/31/2018 14:56	0	0.01
5/31/2018 14:57	0	0.0101
5/31/2018 14:58	0	0.01
5/31/2018 14:59	0	0.01
5/31/2018 15:00	0	0.0101
5/31/2018 15:01	0	0.0102
5/31/2018 15:02	0	0.0102
5/31/2018 15:03	0	0.0102
5/31/2018 15:04	0	0.0103
5/31/2018 15:05	0	0.0104
5/31/2018 15:06	0	0.0105
5/31/2018 15:07	0	0.0106
5/31/2018 15:08	0	0.0107
5/31/2018 15:09	0	0.0107
5/31/2018 15:10	0	0.0106

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 7:07	0	
6/1/2018 7:08	0	0.04
6/1/2018 7:09	0	0.0395
6/1/2018 7:10	0	0.04
6/1/2018 7:11	0	0.04
6/1/2018 7:12	0	0.04
6/1/2018 7:13	0	0.04
6/1/2018 7:14	0	0.04
6/1/2018 7:15	0	0.0398
6/1/2018 7:16	0	0.0396
6/1/2018 7:17	0	0.0394
6/1/2018 7:18	0	0.0392
6/1/2018 7:19	0	0.039
6/1/2018 7:20	0	0.0388
6/1/2018 7:21	0	0.0386
6/1/2018 7:22	0	0.0384
6/1/2018 7:23	0	0.0381
6/1/2018 7:24	0	0.0377
6/1/2018 7:25	0	0.0373
6/1/2018 7:26	0	0.0369
6/1/2018 7:27	0	0.0365
6/1/2018 7:28	0	0.0362
6/1/2018 7:29	0	0.0359
6/1/2018 7:30	0	0.0357
6/1/2018 7:31	0	0.0354
6/1/2018 7:32	0	0.0351
6/1/2018 7:33	0	0.0347
6/1/2018 7:34	0	0.0343
6/1/2018 7:35	0	0.0339
6/1/2018 7:36	0	0.0336
6/1/2018 7:37	0	0.0333
6/1/2018 7:38	0	0.0331
6/1/2018 7:39	0	0.0329
6/1/2018 7:40	0	0.0327
6/1/2018 7:41	0	0.0325
6/1/2018 7:42	0	0.0321
6/1/2018 7:43	0	0.0318
6/1/2018 7:44	0	0.0314
6/1/2018 7:45	0	0.031
6/1/2018 7:46	0	0.0307
6/1/2018 7:47	0	0.0305
6/1/2018 7:48	0	0.0303
6/1/2018 7:49	0	0.0303
6/1/2018 7:50	0	0.0303
6/1/2018 7:51	0	0.0303
6/1/2018 7:52	0	0.0303
6/1/2018 7:53	0	0.0303
6/1/2018 7:54	0	0.0303

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 7:55	0	0.0303
6/1/2018 7:56	0	0.0302
6/1/2018 7:57	0	0.0302
6/1/2018 7:58	0	0.0301
6/1/2018 7:59	0	0.0302
6/1/2018 8:00	0	0.0303
6/1/2018 8:01	0	0.0303
6/1/2018 8:02	0	0.0303
6/1/2018 8:03	0	0.0303
6/1/2018 8:04	0	0.0302
6/1/2018 8:05	0	0.0301
6/1/2018 8:06	0	0.03
6/1/2018 8:07	0	0.0299
6/1/2018 8:08	0	0.0297
6/1/2018 8:09	0	0.0296
6/1/2018 8:10	0	0.0295
6/1/2018 8:11	0	0.0294
6/1/2018 8:12	0	0.0293
6/1/2018 8:13	0	0.0292
6/1/2018 8:14	0	0.029
6/1/2018 8:15	0	0.0288
6/1/2018 8:16	0	0.0287
6/1/2018 8:17	0	0.0284
6/1/2018 8:18	0	0.0281
6/1/2018 8:19	0	0.0279
6/1/2018 8:20	0	0.0276
6/1/2018 8:21	0	0.0275
6/1/2018 8:22	0	0.0273
6/1/2018 8:23	0	0.0272
6/1/2018 8:24	0	0.0271
6/1/2018 8:25	0	0.0269
6/1/2018 8:26	0	0.0269
6/1/2018 8:27	0	0.0268
6/1/2018 8:28	0	0.0267
6/1/2018 8:29	0	0.0266
6/1/2018 8:30	0	0.0265
6/1/2018 8:31	0	0.0264
6/1/2018 8:32	0	0.0263
6/1/2018 8:33	0	0.0263
6/1/2018 8:34	0	0.0262
6/1/2018 8:35	0	0.0261
6/1/2018 8:36	0	0.0259
6/1/2018 8:37	0	0.0258
6/1/2018 8:38	0	0.0257
6/1/2018 8:39	0	0.0257
6/1/2018 8:40	0	0.0257
6/1/2018 8:41	0	0.0257
6/1/2018 8:42	0	0.0257

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 8:43	0	0.0257
6/1/2018 8:44	0	0.0256
6/1/2018 8:45	0	0.0255
6/1/2018 8:46	0	0.0255
6/1/2018 8:47	0	0.0255
6/1/2018 8:48	0	0.0255
6/1/2018 8:49	0	0.0254
6/1/2018 8:50	0	0.0253
6/1/2018 8:51	0	0.0251
6/1/2018 8:52	0	0.0248
6/1/2018 8:53	0	0.0245
6/1/2018 8:54	0	0.0243
6/1/2018 8:55	0	0.0239
6/1/2018 8:56	0	0.0235
6/1/2018 8:57	0	0.0233
6/1/2018 8:58	0	0.0231
6/1/2018 8:59	0	0.0229
6/1/2018 9:00	0	0.0228
6/1/2018 9:01	0	0.0226
6/1/2018 9:02	0	0.0224
6/1/2018 9:03	0	0.0223
6/1/2018 9:04	0	0.0221
6/1/2018 9:05	0	0.022
6/1/2018 9:06	0	0.0219
6/1/2018 9:07	0	0.0219
6/1/2018 9:08	0	0.0219
6/1/2018 9:09	0	0.0219
6/1/2018 9:10	0	0.0221
6/1/2018 9:11	0	0.0224
6/1/2018 9:12	0	0.0224
6/1/2018 9:13	0	0.0225
6/1/2018 9:14	0	0.0225
6/1/2018 9:15	0	0.0225
6/1/2018 9:16	0	0.0227
6/1/2018 9:17	0	0.0229
6/1/2018 9:18	0	0.023
6/1/2018 9:19	0	0.0232
6/1/2018 9:20	0	0.0234
6/1/2018 9:21	0	0.0235
6/1/2018 9:22	0	0.0237
6/1/2018 9:23	0	0.0239
6/1/2018 9:24	0	0.0239
6/1/2018 9:25	0	0.0239
6/1/2018 9:26	0	0.0237
6/1/2018 9:27	0	0.0238
6/1/2018 9:28	0	0.0239
6/1/2018 9:29	0	0.024
6/1/2018 9:30	0	0.0243

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 9:31	0	0.0245
6/1/2018 9:32	0	0.0247
6/1/2018 9:33	0	0.0249
6/1/2018 9:34	0	0.0251
6/1/2018 9:35	0	0.0253
6/1/2018 9:36	0	0.0257
6/1/2018 9:37	0	0.0259
6/1/2018 9:38	0	0.0261
6/1/2018 9:39	0	0.0263
6/1/2018 9:40	0	0.0266
6/1/2018 9:41	0	0.0269
6/1/2018 9:42	0	0.0271
6/1/2018 9:43	0	0.0273
6/1/2018 9:44	0	0.0274
6/1/2018 9:45	0	0.0272
6/1/2018 9:46	0	0.0272
6/1/2018 9:47	0	0.0272
6/1/2018 9:48	0	0.0271
6/1/2018 9:49	0	0.0271
6/1/2018 9:50	0	0.0269
6/1/2018 9:51	0	0.0267
6/1/2018 9:52	0	0.0266
6/1/2018 9:53	0	0.0265
6/1/2018 9:54	0	0.0263
6/1/2018 9:55	0	0.0261
6/1/2018 9:56	0	0.0257
6/1/2018 9:57	0	0.0254
6/1/2018 9:58	0	0.0251
6/1/2018 9:59	0	0.0247
6/1/2018 10:00	0	0.0245
6/1/2018 10:01	0	0.0241
6/1/2018 10:02	0	0.0237
6/1/2018 10:03	0	0.0234
6/1/2018 10:04	0	0.0229
6/1/2018 10:05	0	0.0226
6/1/2018 10:06	0	0.0223
6/1/2018 10:07	0	0.022
6/1/2018 10:08	0	0.0217
6/1/2018 10:09	0	0.0213
6/1/2018 10:10	0	0.021
6/1/2018 10:11	0	0.0207
6/1/2018 10:12	0	0.0206
6/1/2018 10:13	0	0.0205
6/1/2018 10:14	0	0.0205
6/1/2018 10:15	0	0.0205
6/1/2018 10:16	0	0.0205
6/1/2018 10:17	0	0.0207
6/1/2018 10:18	0	0.0209

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 10:19	0	0.0212
6/1/2018 10:20	0	0.0215
6/1/2018 10:21	0	0.0217
6/1/2018 10:22	0	0.0217
6/1/2018 10:23	0	0.0218
6/1/2018 10:24	0	0.022
6/1/2018 10:25	0	0.0221
6/1/2018 10:26	0	0.0224
6/1/2018 10:27	0	0.0227
6/1/2018 10:28	0	0.0229
6/1/2018 10:29	0	0.0231
6/1/2018 10:30	0	0.0233
6/1/2018 10:31	0	0.0235
6/1/2018 10:32	0	0.0237
6/1/2018 10:33	0	0.0238
6/1/2018 10:34	0	0.0241
6/1/2018 10:35	0	0.0242
6/1/2018 10:36	0	0.0243
6/1/2018 10:37	0	0.0246
6/1/2018 10:38	0	0.0249
6/1/2018 10:39	0	0.0253
6/1/2018 10:40	0	0.0255
6/1/2018 10:41	0	0.0258
6/1/2018 10:42	0	0.0262
6/1/2018 10:43	0	0.0264
6/1/2018 10:44	0	0.0266
6/1/2018 10:45	0	0.0268
6/1/2018 10:46	0	0.0269
6/1/2018 10:47	0	0.0271
6/1/2018 10:48	0	0.0273
6/1/2018 10:49	0	0.0273
6/1/2018 10:50	0	0.0273
6/1/2018 10:51	0	0.0274
6/1/2018 10:52	0	0.0275
6/1/2018 10:53	0	0.0275
6/1/2018 10:54	0	0.0275
6/1/2018 10:55	0	0.0277
6/1/2018 10:56	0	0.0277
6/1/2018 10:57	0	0.0275
6/1/2018 10:58	0	0.0275
6/1/2018 10:59	0	0.0275
6/1/2018 11:00	0	0.0277
6/1/2018 11:01	0	0.0279
6/1/2018 11:02	0	0.0281
6/1/2018 11:03	0	0.0282
6/1/2018 11:04	0	0.0284
6/1/2018 11:05	0	0.0287
6/1/2018 11:06	0	0.0288

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 11:07	0	0.0289
6/1/2018 11:08	0	0.0289
6/1/2018 11:09	0	0.0287
6/1/2018 11:10	0	0.0287
6/1/2018 11:11	0	0.0286
6/1/2018 11:12	0	0.0285
6/1/2018 11:13	0	0.0284
6/1/2018 11:14	0	0.0283
6/1/2018 11:15	0	0.028
6/1/2018 11:16	0	0.0278
6/1/2018 11:17	0	0.0275
6/1/2018 11:18	0	0.0273
6/1/2018 11:19	0	0.0271
6/1/2018 11:20	0	0.0269
6/1/2018 11:21	0	0.027
6/1/2018 11:22	0	0.0271
6/1/2018 11:23	0	0.0274
6/1/2018 11:24	0	0.0283
6/1/2018 11:25	0	0.0285
6/1/2018 11:26	0	0.0286
6/1/2018 11:27	0	0.0288
6/1/2018 11:28	0	0.0289
6/1/2018 11:29	0	0.0291
6/1/2018 11:30	0	0.0293
6/1/2018 11:31	0	0.0293
6/1/2018 11:32	0	0.0295
6/1/2018 11:33	0	0.0295
6/1/2018 11:34	0	0.0296
6/1/2018 11:35	0	0.0297
6/1/2018 11:36	0	0.0295
6/1/2018 11:37	0	0.0295
6/1/2018 11:38	0	0.0292
6/1/2018 11:39	0	0.0284
6/1/2018 11:40	0	0.0284
6/1/2018 11:41	0	0.0283
6/1/2018 11:42	0	0.0282
6/1/2018 11:43	0	0.0282
6/1/2018 11:44	0	0.028
6/1/2018 11:45	0	0.0277
6/1/2018 11:46	0	0.0275
6/1/2018 11:47	0	0.0279
6/1/2018 11:48	0	0.0278
6/1/2018 11:49	0	0.0275
6/1/2018 11:50	0	0.0272
6/1/2018 11:51	0	0.0269
6/1/2018 11:52	0	0.0266
6/1/2018 11:53	0	0.0263
6/1/2018 11:54	0	0.0261

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 11:55	0	0.0258
6/1/2018 11:56	0	0.0256
6/1/2018 11:57	0	0.0254
6/1/2018 11:58	0	0.0259
6/1/2018 11:59	0	0.026
6/1/2018 12:00	0	0.026
6/1/2018 12:01	0	0.026
6/1/2018 12:02	0	0.0253
6/1/2018 12:03	0	0.0253
6/1/2018 12:04	0	0.0253
6/1/2018 12:05	0	0.0252
6/1/2018 12:06	0	0.0252
6/1/2018 12:07	0	0.0253
6/1/2018 12:08	0	0.0254
6/1/2018 12:09	0	0.0254
6/1/2018 12:10	0	0.0254
6/1/2018 12:11	0	0.0255
6/1/2018 12:12	0	0.0255
6/1/2018 12:13	0	0.0247
6/1/2018 12:14	0	0.0245
6/1/2018 12:15	0	0.0245
6/1/2018 12:16	0	0.0245
6/1/2018 12:17	0	0.0243
6/1/2018 12:18	0	0.0241
6/1/2018 12:19	0	0.024
6/1/2018 12:20	0	0.0239
6/1/2018 12:21	0	0.0237
6/1/2018 12:22	0	0.0234
6/1/2018 12:23	0	0.0231
6/1/2018 12:24	0	0.023
6/1/2018 12:25	0	0.0229
6/1/2018 12:26	0	0.0227
6/1/2018 12:27	0	0.0225
6/1/2018 12:28	0	0.0224
6/1/2018 12:29	0	0.0223
6/1/2018 12:30	0	0.0225
6/1/2018 12:31	0	0.0223
6/1/2018 12:32	0	0.0223
6/1/2018 12:33	0	0.0222
6/1/2018 12:34	0	0.0222
6/1/2018 12:35	0	0.0222
6/1/2018 12:36	0	0.0225
6/1/2018 12:37	0	0.0225
6/1/2018 12:38	0	0.0225
6/1/2018 12:39	0	0.0225
6/1/2018 12:40	0	0.0226
6/1/2018 12:41	0	0.0227
6/1/2018 12:42	0	0.0227

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 12:43	0	0.0227
6/1/2018 12:44	0	0.0227
6/1/2018 12:45	0	0.0223
6/1/2018 12:46	0	0.0222
6/1/2018 12:47	0	0.0224
6/1/2018 12:48	0	0.0225
6/1/2018 12:49	0	0.0225
6/1/2018 12:50	0	0.0227
6/1/2018 12:51	0	0.0228
6/1/2018 12:52	0	0.0229
6/1/2018 12:53	0	0.0235
6/1/2018 12:54	0	0.0237
6/1/2018 12:55	0	0.0237
6/1/2018 12:56	0	0.0237
6/1/2018 12:57	0	0.0238
6/1/2018 12:58	0	0.0239
6/1/2018 12:59	0	0.0239
6/1/2018 13:00	0	0.024
6/1/2018 13:01	0	0.0241
6/1/2018 13:02	0	0.024
6/1/2018 13:03	0	0.024
6/1/2018 13:04	0	0.024
6/1/2018 13:05	0	0.0238
6/1/2018 13:06	0	0.0235
6/1/2018 13:07	0	0.0234
6/1/2018 13:08	0	0.0229
6/1/2018 13:09	0	0.0227
6/1/2018 13:10	0	0.0227
6/1/2018 13:11	0	0.0226
6/1/2018 13:12	0	0.0227
6/1/2018 13:13	0	0.0227
6/1/2018 13:14	0	0.0229
6/1/2018 13:15	0	0.0231
6/1/2018 13:16	0	0.0231
6/1/2018 13:17	0	0.0231
6/1/2018 13:18	0	0.0231
6/1/2018 13:19	0	0.0232
6/1/2018 13:20	0	0.0233
6/1/2018 13:21	0	0.0235
6/1/2018 13:22	0	0.0237
6/1/2018 13:23	0	0.0238
6/1/2018 13:24	0	0.0241
6/1/2018 13:25	0	0.0241
6/1/2018 13:26	0	0.0242
6/1/2018 13:27	0	0.0241
6/1/2018 13:28	0	0.0241
6/1/2018 13:29	0	0.0239
6/1/2018 13:30	0	0.0237

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 13:31	0	0.0237
6/1/2018 13:32	0	0.0238
6/1/2018 13:33	0	0.0239
6/1/2018 13:34	0	0.0239
6/1/2018 13:35	0	0.024
6/1/2018 13:36	0	0.024
6/1/2018 13:37	0	0.0239
6/1/2018 13:38	0	0.0239
6/1/2018 13:39	0	0.0237
6/1/2018 13:40	0	0.0243
6/1/2018 13:41	0	0.0245
6/1/2018 13:42	0	0.0245
6/1/2018 13:43	0	0.0247
6/1/2018 13:44	0	0.0247
6/1/2018 13:45	0	0.0248
6/1/2018 13:46	0	0.0248
6/1/2018 13:47	0	0.0248
6/1/2018 13:48	0	0.0249
6/1/2018 13:49	0	0.0248

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/4/2018 7:12	0.169	
6/4/2018 7:13	0.158	
6/4/2018 7:14	0.149	
6/4/2018 7:15	0.1428	
6/4/2018 7:16	0.138	0.045
6/4/2018 7:17	0.124	0.0475
6/4/2018 7:18	0.117	0.047
6/4/2018 7:19	0.1109	0.046
6/4/2018 7:20	0.1062	0.0452
6/4/2018 7:21	0.1033	0.0447
6/4/2018 7:22	0.1004	0.0441
6/4/2018 7:23	0.0983	0.0436
6/4/2018 7:24	0.0962	0.0431
6/4/2018 7:25	0.0957	0.0426
6/4/2018 7:26	0.0962	0.0424
6/4/2018 7:27	0.0917	0.0421
6/4/2018 7:28	0.0887	0.0418
6/4/2018 7:29	0.0867	0.0416
6/4/2018 7:30	0.0849	0.0416
6/4/2018 7:31	0.0836	0.0414
6/4/2018 7:32	0.0865	0.041
6/4/2018 7:33	0.0877	0.0409
6/4/2018 7:34	0.0893	0.041
6/4/2018 7:35	0.0911	0.0413
6/4/2018 7:36	0.0925	0.0415
6/4/2018 7:37	0.0939	0.0419
6/4/2018 7:38	0.0947	0.0423
6/4/2018 7:39	0.0959	0.0427
6/4/2018 7:40	0.0962	0.0433
6/4/2018 7:41	0.0954	0.0439
6/4/2018 7:42	0.0941	0.0449
6/4/2018 7:43	0.0925	0.046
6/4/2018 7:44	0.0911	0.0471
6/4/2018 7:45	0.09	0.0485
6/4/2018 7:46	0.0887	0.0499
6/4/2018 7:47	0.0867	0.0511
6/4/2018 7:48	0.0848	0.0525
6/4/2018 7:49	0.083	0.054
6/4/2018 7:50	0.0811	0.0556
6/4/2018 7:51	0.0789	0.0574
6/4/2018 7:52	0.0772	0.0593
6/4/2018 7:53	0.0757	0.0613
6/4/2018 7:54	0.0741	0.0634
6/4/2018 7:55	0.0723	0.0655
6/4/2018 7:56	0.0695	0.0675
6/4/2018 7:57	0.0679	0.0692
6/4/2018 7:58	0.0663	0.0707
6/4/2018 7:59	0.0645	0.0723

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/4/2018 8:00	0.0634	0.0735
6/4/2018 8:01	0.0624	0.0747
6/4/2018 8:02	0.0618	0.0758
6/4/2018 8:03	0.0611	0.0767
6/4/2018 8:04	0.0603	0.0776
6/4/2018 8:05	0.0589	0.0782
6/4/2018 8:06	0.0576	0.0786
6/4/2018 8:07	0.0563	0.0788
6/4/2018 8:08	0.055	0.079
6/4/2018 8:09	0.0543	0.0791
6/4/2018 8:10	0.0531	0.0792
6/4/2018 8:11	0.0527	0.0792
6/4/2018 8:12	0.0525	0.0793
6/4/2018 8:13	0.0525	0.0791
6/4/2018 8:14	0.0521	0.0782
6/4/2018 8:15	0.0516	0.077
6/4/2018 8:16	0.0507	0.0758
6/4/2018 8:17	0.0501	0.0747
6/4/2018 8:18	0.0497	0.0737
6/4/2018 8:19	0.0489	0.0725
6/4/2018 8:20	0.0488	0.0713
6/4/2018 8:21	0.049	0.07
6/4/2018 8:22	0.0487	0.0687
6/4/2018 8:23	0.0487	0.0671
6/4/2018 8:24	0.0481	0.0656
6/4/2018 8:25	0.0478	0.064
6/4/2018 8:26	0.048	0.0625
6/4/2018 8:27	0.0469	0.061
6/4/2018 8:28	0.0463	0.0597
6/4/2018 8:29	0.0458	0.0591
6/4/2018 8:30	0.0449	0.0587
6/4/2018 8:31	0.0441	0.0582
6/4/2018 8:32	0.0437	0.0575
6/4/2018 8:33	0.043	0.0568
6/4/2018 8:34	0.0431	0.0562
6/4/2018 8:35	0.043	0.0557
6/4/2018 8:36	0.0429	0.0553
6/4/2018 8:37	0.0431	0.0552
6/4/2018 8:38	0.0435	0.0552
6/4/2018 8:39	0.0443	0.0553
6/4/2018 8:40	0.0447	0.0553
6/4/2018 8:41	0.0447	0.0553
6/4/2018 8:42	0.0455	0.0554
6/4/2018 8:43	0.0458	0.0554
6/4/2018 8:44	0.0463	0.0556
6/4/2018 8:45	0.0467	0.0557
6/4/2018 8:46	0.0472	0.0561
6/4/2018 8:47	0.0477	0.0564

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/4/2018 8:48	0.048	0.0567
6/4/2018 8:49	0.0485	0.0573
6/4/2018 8:50	0.0485	0.0576
6/4/2018 8:51	0.0485	0.0579
6/4/2018 8:52	0.0483	0.058
6/4/2018 8:53	0.0477	0.0581
6/4/2018 8:54	0.0467	0.0581
6/4/2018 8:55	0.0457	0.0581
6/4/2018 8:56	0.0455	0.0581
6/4/2018 8:57	0.0451	0.0581
6/4/2018 8:58	0.0446	0.0582
6/4/2018 8:59	0.0441	0.0581
6/4/2018 9:00	0.0434	0.0581
6/4/2018 9:01	0.0425	0.058
6/4/2018 9:02	0.0411	0.0579
6/4/2018 9:03	0.0405	0.0579
6/4/2018 9:04	0.0396	0.0575
6/4/2018 9:05	0.0386	0.0573
6/4/2018 9:06	0.0373	0.057
6/4/2018 9:07	0.0367	0.0579
6/4/2018 9:08	0.0359	0.0591
6/4/2018 9:09	0.0351	0.0603
6/4/2018 9:10	0.0348	0.0617
6/4/2018 9:11	0.0336	0.0629
6/4/2018 9:12	0.0325	0.0642
6/4/2018 9:13	0.0318	0.0659
6/4/2018 9:14	0.0308	0.0673
6/4/2018 9:15	0.0301	0.0687
6/4/2018 9:16	0.0294	0.0699
6/4/2018 9:17	0.0291	0.0713
6/4/2018 9:18	0.0283	0.0726
6/4/2018 9:19	0.0275	0.0742
6/4/2018 9:20	0.0271	0.0758
6/4/2018 9:21	0.0267	0.0775
6/4/2018 9:22	0.0253	0.0781
6/4/2018 9:23	0.024	0.0782
6/4/2018 9:24	0.0227	0.0783
6/4/2018 9:25	0.0211	0.0782
6/4/2018 9:26	0.0194	0.0783
6/4/2018 9:27	0.0175	0.0783
6/4/2018 9:28	0.0154	0.0778
6/4/2018 9:29	0.0137	0.0779
6/4/2018 9:30	0.0119	0.0783
6/4/2018 9:31	0.0104	0.0788
6/4/2018 9:32	0.0087	0.0793
6/4/2018 9:33	0.0073	0.0797
6/4/2018 9:34	0.0057	0.0799
6/4/2018 9:35	0.0041	0.0801

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/4/2018 9:36	0.0027	0.0803
6/4/2018 9:37	0.0018	0.0805
6/4/2018 9:38	0.001	0.0808
6/4/2018 9:39	0.0004	0.0812
6/4/2018 9:40	0.0001	0.0817
6/4/2018 9:41	0	0.0821
6/4/2018 9:42	0	0.0825
6/4/2018 9:43	0	0.0829
6/4/2018 9:44	0	0.083
6/4/2018 9:45	0	0.083
6/4/2018 9:46	0	0.0829
6/4/2018 9:47	0	0.0827
6/4/2018 9:48	0	0.0827
6/4/2018 9:49	0	0.0825
6/4/2018 9:50	0	0.0825
6/4/2018 9:51	0	0.0824
6/4/2018 9:52	0	0.0824
6/4/2018 9:53	0	0.0823
6/4/2018 9:54	0	0.0822
6/4/2018 9:55	0	0.0819
6/4/2018 9:56	0	0.0818
6/4/2018 9:57	0	0.0816
6/4/2018 9:58	0	0.0814
6/4/2018 9:59	0	0.0812
6/4/2018 10:00	0	0.081
6/4/2018 10:01	0	0.0809
6/4/2018 10:02	0	0.0807
6/4/2018 10:03	0	0.0806
6/4/2018 10:04	0	0.0805
6/4/2018 10:05	0	0.0804
6/4/2018 10:06	0	0.0803
6/4/2018 10:07	0	0.0802
6/4/2018 10:08	0	0.0801
6/4/2018 10:09	0	0.08
6/4/2018 10:10	0	0.08
6/4/2018 10:11	0	0.08
6/4/2018 10:12	0	0.0799
6/4/2018 10:13	0	0.0799
6/4/2018 10:14	0	0.0798
6/4/2018 10:15	0	0.0797
6/4/2018 10:16	0	0.0797

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 7:20	0.027	0.009
6/12/2018 7:21	0.048	0.012
6/12/2018 7:22	0.03	0.011
6/12/2018 7:23	0.018	0.0108
6/12/2018 7:24	0.012	0.0104
6/12/2018 7:25	0.008	0.0103
6/12/2018 7:26	0.007	0.0103
6/12/2018 7:27	0.002	0.0103
6/12/2018 7:28	0	0.0102
6/12/2018 7:29	0	0.0101
6/12/2018 7:30	0	0.01
6/12/2018 7:31	0	0.0099
6/12/2018 7:32	0	0.0098
6/12/2018 7:33	0	0.0099
6/12/2018 7:34	0	0.01
6/12/2018 7:35	0	0.0106
6/12/2018 7:36	0	0.0103
6/12/2018 7:37	0.001	0.0103
6/12/2018 7:38	0	0.0103
6/12/2018 7:39	0	0.0103
6/12/2018 7:40	0	0.0103
6/12/2018 7:41	0	0.0103
6/12/2018 7:42	0	0.0102
6/12/2018 7:43	0	0.0102
6/12/2018 7:44	0	0.0103
6/12/2018 7:45	0	0.0103
6/12/2018 7:46	0	0.0104
6/12/2018 7:47	0	0.0105
6/12/2018 7:48	0	0.0105
6/12/2018 7:49	0	0.0104
6/12/2018 7:50	0	0.0099
6/12/2018 7:51	0	0.0099
6/12/2018 7:52	0	0.0099
6/12/2018 7:53	0	0.0099
6/12/2018 7:54	0	0.0099
6/12/2018 7:55	0	0.0099
6/12/2018 7:56	0	0.01
6/12/2018 7:57	0	0.0101
6/12/2018 7:58	0	0.0101
6/12/2018 7:59	0	0.0101
6/12/2018 8:00	0	0.0101
6/12/2018 8:01	0	0.0102
6/12/2018 8:02	0	0.0103
6/12/2018 8:03	0	0.0102
6/12/2018 8:04	0	0.0102
6/12/2018 8:05	0	0.0102
6/12/2018 8:06	0	0.0102
6/12/2018 8:07	0	0.0102

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 8:08	0	0.0103
6/12/2018 8:09	0	0.0104
6/12/2018 8:10	0	0.0105
6/12/2018 8:11	0	0.0106
6/12/2018 8:12	0	0.0106
6/12/2018 8:13	0	0.0106
6/12/2018 8:14	0	0.0107
6/12/2018 8:15	0	0.0107
6/12/2018 8:16	0	0.0107
6/12/2018 8:17	0	0.0107
6/12/2018 8:18	0	0.0107
6/12/2018 8:19	0	0.0109
6/12/2018 8:20	0	0.0109
6/12/2018 8:21	0	0.0109
6/12/2018 8:22	0	0.011
6/12/2018 8:23	0	0.0109
6/12/2018 8:24	0	0.0108
6/12/2018 8:25	0	0.0108
6/12/2018 8:26	0	0.0107
6/12/2018 8:27	0	0.0107
6/12/2018 8:28	0	0.0107
6/12/2018 8:29	0	0.0106
6/12/2018 8:30	0	0.0106
6/12/2018 8:31	0	0.0106
6/12/2018 8:32	0	0.0107
6/12/2018 8:33	0	0.0107
6/12/2018 8:34	0	0.0105
6/12/2018 8:35	0	0.0105
6/12/2018 8:36	0	0.0106
6/12/2018 8:37	0	0.0105
6/12/2018 8:38	0	0.0105
6/12/2018 8:39	0	0.0105
6/12/2018 8:40	0	0.0105
6/12/2018 8:41	0	0.0105
6/12/2018 8:42	0	0.0105
6/12/2018 8:43	0	0.0108
6/12/2018 8:44	0	0.0109
6/12/2018 8:45	0	0.011
6/12/2018 8:46	0	0.0111
6/12/2018 8:47	0	0.011
6/12/2018 8:48	0	0.0111
6/12/2018 8:49	0	0.0111
6/12/2018 8:50	0	0.011
6/12/2018 8:51	0	0.011
6/12/2018 8:52	0	0.0111
6/12/2018 8:53	0	0.0111
6/12/2018 8:54	0	0.0111
6/12/2018 8:55	0	0.011

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 8:56	0	0.011
6/12/2018 8:57	0	0.011
6/12/2018 8:58	0	0.0108
6/12/2018 8:59	0	0.0108
6/12/2018 9:00	0	0.0106
6/12/2018 9:01	0	0.0106
6/12/2018 9:02	0	0.0105
6/12/2018 9:03	0	0.0105
6/12/2018 9:04	0	0.0105
6/12/2018 9:05	0	0.0106
6/12/2018 9:06	0	0.0106
6/12/2018 9:07	0	0.0106
6/12/2018 9:08	0	0.0107
6/12/2018 9:09	0	0.0107
6/12/2018 9:10	0	0.0108
6/12/2018 9:11	0	0.0109
6/12/2018 9:12	0	0.0109
6/12/2018 9:13	0	0.0109
6/12/2018 9:14	0	0.0109
6/12/2018 9:15	0	0.011
6/12/2018 9:16	0	0.0109
6/12/2018 9:17	0	0.011
6/12/2018 9:18	0	0.011
6/12/2018 9:19	0	0.011
6/12/2018 9:20	0	0.0109
6/12/2018 9:21	0	0.0109
6/12/2018 9:22	0	0.0109
6/12/2018 9:23	0	0.0109
6/12/2018 9:24	0	0.0109
6/12/2018 9:25	0	0.0109
6/12/2018 9:26	0	0.0109
6/12/2018 9:27	0	0.0109
6/12/2018 9:28	0	0.0109
6/12/2018 9:29	0	0.0109
6/12/2018 9:30	0	0.0109
6/12/2018 9:31	0	0.0109
6/12/2018 9:32	0	0.0109
6/12/2018 9:33	0	0.0109
6/12/2018 9:34	0	0.0109
6/12/2018 9:35	0	0.011
6/12/2018 9:36	0	0.011
6/12/2018 9:37	0	0.011
6/12/2018 9:38	0	0.011
6/12/2018 9:39	0	0.011
6/12/2018 9:40	0	0.011
6/12/2018 9:41	0	0.011
6/12/2018 9:42	0	0.011
6/12/2018 9:43	0	0.0111

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 9:44	0	0.0111
6/12/2018 9:45	0	0.0111
6/12/2018 9:46	0	0.0112
6/12/2018 9:47	0	0.0113
6/12/2018 9:48	0	0.0113
6/12/2018 9:49	0	0.0113
6/12/2018 9:50	0	0.0113
6/12/2018 9:51	0	0.0113
6/12/2018 9:52	0	0.0113
6/12/2018 9:53	0	0.0113
6/12/2018 9:54	0	0.0113
6/12/2018 9:55	0	0.0113
6/12/2018 9:56	0	0.0115
6/12/2018 9:57	0	0.0115
6/12/2018 9:58	0	0.0114
6/12/2018 9:59	0	0.0114
6/12/2018 10:00	0	0.0113
6/12/2018 10:01	0	0.0113
6/12/2018 10:02	0	0.0112
6/12/2018 10:03	0	0.0112
6/12/2018 10:04	0	0.0112
6/12/2018 10:05	0	0.0112
6/12/2018 10:06	0	0.0113
6/12/2018 10:07	0	0.0113
6/12/2018 10:08	0	0.0113
6/12/2018 10:09	0	0.0114
6/12/2018 10:10	0	0.0115
6/12/2018 10:11	0	0.0114
6/12/2018 10:12	0	0.0115
6/12/2018 10:13	0	0.0116
6/12/2018 10:14	0	0.0117
6/12/2018 10:15	0	0.0117
6/12/2018 10:16	0	0.0118
6/12/2018 10:17	0	0.0119
6/12/2018 10:18	0	0.0119
6/12/2018 10:19	0	0.0119
6/12/2018 10:20	0	0.0121
6/12/2018 10:21	0	0.0121
6/12/2018 10:22	0	0.0121
6/12/2018 10:23	0	0.0121
6/12/2018 10:24	0	0.0122
6/12/2018 10:25	0	0.0123
6/12/2018 10:26	0	0.0123
6/12/2018 10:27	0	0.0123
6/12/2018 10:28	0	0.0123
6/12/2018 10:29	0	0.0124
6/12/2018 10:30	0	0.0125
6/12/2018 10:31	0	0.0125

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 10:32	0	0.0126
6/12/2018 10:33	0	0.0126
6/12/2018 10:34	0	0.0126
6/12/2018 10:35	0	0.0127
6/12/2018 10:36	0	0.0128
6/12/2018 10:37	0	0.0129
6/12/2018 10:38	0	0.013
6/12/2018 10:39	0	0.0131
6/12/2018 10:40	0	0.0131
6/12/2018 10:41	0	0.0133
6/12/2018 10:42	0	0.0133
6/12/2018 10:43	0	0.0135
6/12/2018 10:44	0	0.0135
6/12/2018 10:45	0	0.0136
6/12/2018 10:46	0	0.0139
6/12/2018 10:47	0	0.0141
6/12/2018 10:48	0	0.0144
6/12/2018 10:49	0	0.0155
6/12/2018 10:50	0	0.0165
6/12/2018 10:51	0	0.0168
6/12/2018 10:52	0	0.0171
6/12/2018 10:53	0	0.0171
6/12/2018 10:54	0	0.0173
6/12/2018 10:55	0	0.0177
6/12/2018 10:56	0	0.0183
6/12/2018 10:57	0	0.0188
6/12/2018 10:58	0	0.0191
6/12/2018 10:59	0	0.0195
6/12/2018 11:00	0	0.0199
6/12/2018 11:01	0	0.02
6/12/2018 11:02	0	0.0209
6/12/2018 11:03	0	0.0212
6/12/2018 11:04	0	0.0202
6/12/2018 11:05	0	0.0191
6/12/2018 11:06	0	0.0187
6/12/2018 11:07	0	0.0185
6/12/2018 11:08	0	0.0185
6/12/2018 11:09	0	0.0182
6/12/2018 11:10	0	0.0177
6/12/2018 11:11	0	0.017
6/12/2018 11:12	0	0.0163
6/12/2018 11:13	0	0.0158
6/12/2018 11:14	0	0.0154
6/12/2018 11:15	0	0.0149
6/12/2018 11:16	0	0.0145
6/12/2018 11:17	0	0.0135
6/12/2018 11:18	0	0.0129
6/12/2018 11:19	0	0.0129

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 11:20	0	0.0129
6/12/2018 11:21	0	0.0129
6/12/2018 11:22	0	0.0128
6/12/2018 11:23	0	0.0128
6/12/2018 11:24	0	0.0128
6/12/2018 11:25	0	0.0128
6/12/2018 11:26	0	0.0129
6/12/2018 11:27	0	0.0129
6/12/2018 11:28	0	0.013
6/12/2018 11:29	0	0.013
6/12/2018 11:30	0	0.013
6/12/2018 11:31	0	0.013
6/12/2018 11:32	0	0.013
6/12/2018 11:33	0	0.013
6/12/2018 11:34	0	0.013
6/12/2018 11:35	0	0.0131
6/12/2018 11:36	0	0.0131
6/12/2018 11:37	0	0.0133
6/12/2018 11:38	0	0.0135
6/12/2018 11:39	0	0.0135
6/12/2018 11:40	0	0.0135
6/12/2018 11:41	0	0.0135
6/12/2018 11:42	0	0.0135
6/12/2018 11:43	0	0.0135
6/12/2018 11:44	0	0.0135
6/12/2018 11:45	0	0.0135
6/12/2018 11:46	0	0.0135
6/12/2018 11:47	0	0.0135
6/12/2018 11:48	0	0.0135
6/12/2018 11:49	0	0.0135
6/12/2018 11:50	0	0.0135
6/12/2018 11:51	0	0.0134
6/12/2018 11:52	0	0.0133
6/12/2018 11:53	0	0.0133
6/12/2018 11:54	0	0.0135
6/12/2018 11:55	0	0.0135
6/12/2018 11:56	0	0.0137
6/12/2018 11:57	0	0.0139
6/12/2018 11:58	0	0.0141
6/12/2018 11:59	0	0.0141
6/12/2018 12:00	0	0.0143
6/12/2018 12:01	0	0.0143
6/12/2018 12:02	0	0.0145
6/12/2018 12:03	0	0.0145
6/12/2018 12:04	0	0.0145
6/12/2018 12:05	0	0.0146
6/12/2018 12:06	0	0.0147
6/12/2018 12:07	0	0.0147

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 12:08	0	0.0147
6/12/2018 12:09	0	0.0146
6/12/2018 12:10	0	0.0146
6/12/2018 12:11	0	0.0145
6/12/2018 12:12	0	0.0143
6/12/2018 12:13	0	0.0143
6/12/2018 12:14	0	0.0143
6/12/2018 12:15	0	0.0144
6/12/2018 12:16	0	0.0145
6/12/2018 12:17	0	0.0144
6/12/2018 12:18	0	0.0144
6/12/2018 12:19	0	0.0144
6/12/2018 12:20	0	0.0145
6/12/2018 12:21	0	0.0146
6/12/2018 12:22	0	0.0147
6/12/2018 12:23	0	0.0148
6/12/2018 12:24	0	0.0148
6/12/2018 12:25	0	0.0148
6/12/2018 12:26	0	0.0148
6/12/2018 12:27	0	0.0149
6/12/2018 12:28	0	0.0149
6/12/2018 12:29	0	0.0148
6/12/2018 12:30	0	0.0147
6/12/2018 12:31	0	0.0147
6/12/2018 12:32	0	0.0147
6/12/2018 12:33	0	0.0147
6/12/2018 12:34	0	0.0147
6/12/2018 12:35	0	0.0146
6/12/2018 12:36	0	0.0145
6/12/2018 12:37	0	0.0143
6/12/2018 12:38	0	0.0141
6/12/2018 12:39	0	0.0142
6/12/2018 12:40	0	0.0142
6/12/2018 12:41	0	0.0143
6/12/2018 12:42	0	0.0142
6/12/2018 12:43	0	0.0142
6/12/2018 12:44	0	0.0142
6/12/2018 12:45	0	0.0143
6/12/2018 12:46	0	0.0143
6/12/2018 12:47	0	0.0143
6/12/2018 12:48	0	0.0143
6/12/2018 12:49	0	0.0143
6/12/2018 12:50	0	0.0143
6/12/2018 12:51	0	0.0143
6/12/2018 12:52	0	0.0143
6/12/2018 12:53	0	0.0143
6/12/2018 12:54	0	0.0143
6/12/2018 12:55	0	0.0143

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 12:56	0	0.0142
6/12/2018 12:57	0	0.0142
6/12/2018 12:58	0	0.0159
6/12/2018 12:59	0	0.018
6/12/2018 13:00	0	0.0179
6/12/2018 13:01	0	0.0179
6/12/2018 13:02	0	0.0179
6/12/2018 13:03	0	0.0179
6/12/2018 13:04	0	0.0179
6/12/2018 13:05	0	0.0179
6/12/2018 13:06	0	0.0179
6/12/2018 13:07	0	0.0179
6/12/2018 13:08	0	0.0179
6/12/2018 13:09	0	0.0179
6/12/2018 13:10	0	0.0179
6/12/2018 13:11	0	0.0179
6/12/2018 13:12	0	0.018
6/12/2018 13:13	0	0.0164
6/12/2018 13:14	0	0.0143
6/12/2018 13:15	0	0.0145
6/12/2018 13:16	0	0.0149
6/12/2018 13:17	0	0.0149
6/12/2018 13:18	0	0.015
6/12/2018 13:19	0	0.0151
6/12/2018 13:20	0	0.0153
6/12/2018 13:21	0	0.0155
6/12/2018 13:22	0	0.0156
6/12/2018 13:23	0	0.0157
6/12/2018 13:24	0	0.0157
6/12/2018 13:25	0	0.0158
6/12/2018 13:26	0	0.0158
6/12/2018 13:27	0	0.0158
6/12/2018 13:28	0	0.0158
6/12/2018 13:29	0	0.0158
6/12/2018 13:30	0	0.0157
6/12/2018 13:31	0	0.0154
6/12/2018 13:32	0	0.0155
6/12/2018 13:33	0	0.0155
6/12/2018 13:34	0	0.0155
6/12/2018 13:35	0	0.0153
6/12/2018 13:36	0	0.0153
6/12/2018 13:37	0	0.0153
6/12/2018 13:38	0	0.0161
6/12/2018 13:39	0	0.0166
6/12/2018 13:40	0	0.0167
6/12/2018 13:41	0	0.0168
6/12/2018 13:42	0	0.0171
6/12/2018 13:43	0	0.0173

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 13:44	0	0.0173
6/12/2018 13:45	0	0.0173
6/12/2018 13:46	0	0.0174
6/12/2018 13:47	0	0.0173
6/12/2018 13:48	0	0.0174
6/12/2018 13:49	0	0.0175
6/12/2018 13:50	0	0.0175
6/12/2018 13:51	0	0.0174
6/12/2018 13:52	0	0.0173
6/12/2018 13:53	0	0.0165
6/12/2018 13:54	0	0.016

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 7:17	0	
6/14/2018 7:18	0	0.006
6/14/2018 7:19	0	0.006
6/14/2018 7:20	0	0.006
6/14/2018 7:21	0	0.0058
6/14/2018 7:22	0	0.0056
6/14/2018 7:23	0	0.0055
6/14/2018 7:24	0	0.0054
6/14/2018 7:25	0	0.0054
6/14/2018 7:26	0	0.0054
6/14/2018 7:27	0	0.0054
6/14/2018 7:28	0	0.0054
6/14/2018 7:29	0	0.0054
6/14/2018 7:30	0	0.0054
6/14/2018 7:31	0	0.0054
6/14/2018 7:32	0	0.0053
6/14/2018 7:33	0	0.0053
6/14/2018 7:34	0	0.0053
6/14/2018 7:35	0	0.0053
6/14/2018 7:36	0	0.0054
6/14/2018 7:37	0	0.0054
6/14/2018 7:38	0	0.0055
6/14/2018 7:39	0	0.0055
6/14/2018 7:40	0	0.0056
6/14/2018 7:41	0	0.0056
6/14/2018 7:42	0	0.0057
6/14/2018 7:43	0	0.0057
6/14/2018 7:44	0	0.0057
6/14/2018 7:45	0	0.0058
6/14/2018 7:46	0	0.0059
6/14/2018 7:47	0	0.0059
6/14/2018 7:48	0	0.0059
6/14/2018 7:49	0	0.0059
6/14/2018 7:50	0	0.0059
6/14/2018 7:51	0	0.0059
6/14/2018 7:52	0	0.006
6/14/2018 7:53	0	0.006
6/14/2018 7:54	0	0.006
6/14/2018 7:55	0	0.0061
6/14/2018 7:56	0	0.0061
6/14/2018 7:57	0	0.0061
6/14/2018 7:58	0	0.0061
6/14/2018 7:59	0	0.0061
6/14/2018 8:00	0	0.0061
6/14/2018 8:01	0	0.0061
6/14/2018 8:02	0	0.0062
6/14/2018 8:03	0	0.0062
6/14/2018 8:04	0	0.0062

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 8:05	0	0.0062
6/14/2018 8:06	0	0.0062
6/14/2018 8:07	0	0.0063
6/14/2018 8:08	0	0.0063
6/14/2018 8:09	0	0.0064
6/14/2018 8:10	0	0.0064
6/14/2018 8:11	0	0.0065
6/14/2018 8:12	0	0.0065
6/14/2018 8:13	0	0.0066
6/14/2018 8:14	0	0.0066
6/14/2018 8:15	0	0.0066
6/14/2018 8:16	0	0.0067
6/14/2018 8:17	0	0.0067
6/14/2018 8:18	0	0.0067
6/14/2018 8:19	0	0.0068
6/14/2018 8:20	0	0.0071
6/14/2018 8:21	0	0.0072
6/14/2018 8:22	0	0.0072
6/14/2018 8:23	0	0.0072
6/14/2018 8:24	0	0.0072
6/14/2018 8:25	0	0.0072
6/14/2018 8:26	0	0.0073
6/14/2018 8:27	0	0.0073
6/14/2018 8:28	0	0.0073
6/14/2018 8:29	0	0.0074
6/14/2018 8:30	0	0.0075
6/14/2018 8:31	0	0.0075
6/14/2018 8:32	0	0.0076
6/14/2018 8:33	0	0.0077
6/14/2018 8:34	0	0.0077
6/14/2018 8:35	0	0.0075
6/14/2018 8:36	0	0.0075
6/14/2018 8:37	0	0.0075
6/14/2018 8:38	0	0.0076
6/14/2018 8:39	0	0.0077
6/14/2018 8:40	0	0.0077
6/14/2018 8:41	0	0.0077
6/14/2018 8:42	0	0.0078
6/14/2018 8:43	0	0.0079
6/14/2018 8:44	0	0.0079
6/14/2018 8:45	0	0.0079
6/14/2018 8:46	0	0.0079
6/14/2018 8:47	0	0.008
6/14/2018 8:48	0	0.0081
6/14/2018 8:49	0	0.0082
6/14/2018 8:50	0	0.0083
6/14/2018 8:51	0	0.0083
6/14/2018 8:52	0	0.0083

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 8:53	0	0.0083
6/14/2018 8:54	0	0.0084
6/14/2018 8:55	0	0.0085
6/14/2018 8:56	0	0.0086
6/14/2018 8:57	0	0.0087
6/14/2018 8:58	0	0.0087
6/14/2018 8:59	0	0.0089
6/14/2018 9:00	0	0.0089
6/14/2018 9:01	0	0.009
6/14/2018 9:02	0	0.009
6/14/2018 9:03	0	0.0092
6/14/2018 9:04	0	0.0093
6/14/2018 9:05	0	0.0093
6/14/2018 9:06	0	0.0094
6/14/2018 9:07	0	0.0094
6/14/2018 9:08	0	0.0095
6/14/2018 9:09	0	0.0095
6/14/2018 9:10	0	0.0095
6/14/2018 9:11	0	0.0095
6/14/2018 9:12	0	0.0095
6/14/2018 9:13	0	0.0095
6/14/2018 9:14	0	0.0093
6/14/2018 9:15	0	0.0093
6/14/2018 9:16	0	0.0093
6/14/2018 9:17	0	0.0093
6/14/2018 9:18	0	0.0091
6/14/2018 9:19	0	0.0091
6/14/2018 9:20	0	0.0091
6/14/2018 9:21	0	0.009
6/14/2018 9:22	0	0.009
6/14/2018 9:23	0	0.009
6/14/2018 9:24	0	0.009
6/14/2018 9:25	0	0.009
6/14/2018 9:26	0	0.0089
6/14/2018 9:27	0	0.0089
6/14/2018 9:28	0	0.0089
6/14/2018 9:29	0	0.0089
6/14/2018 9:30	0	0.009
6/14/2018 9:31	0	0.009
6/14/2018 9:32	0	0.0091
6/14/2018 9:33	0	0.0091
6/14/2018 9:34	0	0.0091
6/14/2018 9:35	0	0.0091
6/14/2018 9:36	0	0.0092
6/14/2018 9:37	0	0.0093
6/14/2018 9:38	0	0.0094
6/14/2018 9:39	0	0.0094
6/14/2018 9:40	0	0.0095

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 9:41	0	0.0095
6/14/2018 9:42	0	0.0096
6/14/2018 9:43	0	0.0097
6/14/2018 9:44	0	0.0097
6/14/2018 9:45	0	0.0096
6/14/2018 9:46	0	0.0097
6/14/2018 9:47	0	0.0097
6/14/2018 9:48	0	0.0097
6/14/2018 9:49	0	0.0098
6/14/2018 9:50	0	0.0099
6/14/2018 9:51	0	0.0099
6/14/2018 9:52	0	0.0099
6/14/2018 9:53	0	0.0099
6/14/2018 9:54	0	0.01
6/14/2018 9:55	0	0.01
6/14/2018 9:56	0	0.01
6/14/2018 9:57	0	0.01
6/14/2018 9:58	0	0.01
6/14/2018 9:59	0	0.0101
6/14/2018 10:00	0	0.0101
6/14/2018 10:01	0	0.0101
6/14/2018 10:02	0	0.0101
6/14/2018 10:03	0	0.0101
6/14/2018 10:04	0	0.0101
6/14/2018 10:05	0	0.0101
6/14/2018 10:06	0	0.0102
6/14/2018 10:07	0	0.0102
6/14/2018 10:08	0	0.0101
6/14/2018 10:09	0	0.0101
6/14/2018 10:10	0	0.0101
6/14/2018 10:11	0	0.0101
6/14/2018 10:12	0	0.0102
6/14/2018 10:13	0	0.0103
6/14/2018 10:14	0	0.0103
6/14/2018 10:15	0	0.0104
6/14/2018 10:16	0	0.0106
6/14/2018 10:17	0	0.011
6/14/2018 10:18	0	0.0111
6/14/2018 10:19	0	0.0112
6/14/2018 10:20	0	0.0113
6/14/2018 10:21	0	0.0116
6/14/2018 10:22	0	0.0117
6/14/2018 10:23	0	0.0117
6/14/2018 10:24	0	0.0118
6/14/2018 10:25	0	0.0119
6/14/2018 10:26	0	0.0119
6/14/2018 10:27	0	0.0119
6/14/2018 10:28	0	0.0119

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 10:29	0	0.0124
6/14/2018 10:30	0	0.0124
6/14/2018 10:31	0	0.0123
6/14/2018 10:32	0	0.012
6/14/2018 10:33	0	0.0121
6/14/2018 10:34	0	0.0121
6/14/2018 10:35	0	0.012
6/14/2018 10:36	0	0.0118
6/14/2018 10:37	0	0.0118
6/14/2018 10:38	0	0.0119
6/14/2018 10:39	0	0.0119
6/14/2018 10:40	0	0.012
6/14/2018 10:41	0	0.0121
6/14/2018 10:42	0	0.0121
6/14/2018 10:43	0	0.0122
6/14/2018 10:44	0	0.0118
6/14/2018 10:45	0	0.0119
6/14/2018 10:46	0	0.0119
6/14/2018 10:47	0	0.0119
6/14/2018 10:48	0	0.0119
6/14/2018 10:49	0	0.0121
6/14/2018 10:50	0	0.0123
6/14/2018 10:51	0	0.0123
6/14/2018 10:52	0	0.0123
6/14/2018 10:53	0	0.0123
6/14/2018 10:54	0	0.0123
6/14/2018 10:55	0	0.0123
6/14/2018 10:56	0	0.0123
6/14/2018 10:57	0	0.0123
6/14/2018 10:58	0	0.0123
6/14/2018 10:59	0	0.0123
6/14/2018 11:00	0	0.0123
6/14/2018 11:01	0	0.0123
6/14/2018 11:02	0	0.0123
6/14/2018 11:03	0	0.0122
6/14/2018 11:04	0	0.0121
6/14/2018 11:05	0	0.0121
6/14/2018 11:06	0	0.0121
6/14/2018 11:07	0	0.0121
6/14/2018 11:08	0	0.0122
6/14/2018 11:09	0	0.0122
6/14/2018 11:10	0	0.0124
6/14/2018 11:11	0	0.0124
6/14/2018 11:12	0	0.0125
6/14/2018 11:13	0	0.0128
6/14/2018 11:14	0	0.013
6/14/2018 11:15	0	0.0131
6/14/2018 11:16	0	0.0131

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 11:17	0	0.0131
6/14/2018 11:18	0	0.0132
6/14/2018 11:19	0	0.0133
6/14/2018 11:20	0	0.0133
6/14/2018 11:21	0	0.0134
6/14/2018 11:22	0	0.0134
6/14/2018 11:23	0	0.0139
6/14/2018 11:24	0	0.0145
6/14/2018 11:25	0	0.0145
6/14/2018 11:26	0	0.0145
6/14/2018 11:27	0	0.0145
6/14/2018 11:28	0	0.0142
6/14/2018 11:29	0	0.0141
6/14/2018 11:30	0	0.0141
6/14/2018 11:31	0	0.0142
6/14/2018 11:32	0	0.0143
6/14/2018 11:33	0	0.0143
6/14/2018 11:34	0	0.0143
6/14/2018 11:35	0	0.0145
6/14/2018 11:36	0	0.0146
6/14/2018 11:37	0	0.0147
6/14/2018 11:38	0	0.0143
6/14/2018 11:39	0	0.0137
6/14/2018 11:40	0	0.0136
6/14/2018 11:41	0	0.0137
6/14/2018 11:42	0	0.0137
6/14/2018 11:43	0	0.0139
6/14/2018 11:44	0	0.0139
6/14/2018 11:45	0	0.0139
6/14/2018 11:46	0	0.0137
6/14/2018 11:47	0	0.0138
6/14/2018 11:48	0	0.0139
6/14/2018 11:49	0	0.0138
6/14/2018 11:50	0	0.0136
6/14/2018 11:51	0	0.0135
6/14/2018 11:52	0	0.0133
6/14/2018 11:53	0	0.0133
6/14/2018 11:54	0	0.0133
6/14/2018 11:55	0	0.0133
6/14/2018 11:56	0	0.0134
6/14/2018 11:57	0	0.0133
6/14/2018 11:58	0	0.0133
6/14/2018 11:59	0	0.0133
6/14/2018 12:00	0	0.0133
6/14/2018 12:01	0	0.0134
6/14/2018 12:02	0	0.0135
6/14/2018 12:03	0	0.0135
6/14/2018 12:04	0	0.0135

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 12:05	0	0.0136
6/14/2018 12:06	0	0.0136
6/14/2018 12:07	0	0.0136
6/14/2018 12:08	0	0.0136
6/14/2018 12:09	0	0.0137
6/14/2018 12:10	0	0.0137
6/14/2018 12:11	0	0.0137
6/14/2018 12:12	0	0.0137
6/14/2018 12:13	0	0.0137
6/14/2018 12:14	0	0.0137
6/14/2018 12:15	0	0.0137
6/14/2018 12:16	0	0.0137
6/14/2018 12:17	0	0.0137
6/14/2018 12:18	0	0.0136
6/14/2018 12:19	0	0.0135
6/14/2018 12:20	0	0.0135
6/14/2018 12:21	0	0.0136
6/14/2018 12:22	0	0.0137
6/14/2018 12:23	0	0.0138
6/14/2018 12:24	0	0.0139
6/14/2018 12:25	0	0.0139
6/14/2018 12:26	0	0.014
6/14/2018 12:27	0	0.0142
6/14/2018 12:28	0	0.0144
6/14/2018 12:29	0	0.0144
6/14/2018 12:30	0	0.0144
6/14/2018 12:31	0	0.0145

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 7:20		0.019
6/19/2018 7:21		0.0205
6/19/2018 7:22		0.024
6/19/2018 7:24		0.0233
6/19/2018 7:25		0.0244
6/19/2018 7:26		0.0265
6/19/2018 7:27		0.0279
6/19/2018 7:28		0.0269
6/19/2018 7:29		0.0261
6/19/2018 7:30		0.0255
6/19/2018 7:31		0.025
6/19/2018 7:32		0.0246
6/19/2018 7:33		0.0245
6/19/2018 7:34		0.0243
6/19/2018 7:35		0.0248
6/19/2018 7:36		0.0247
6/19/2018 7:37		0.0239
6/19/2018 7:38		0.0235
6/19/2018 7:39		0.0235
6/19/2018 7:40		0.0228
6/19/2018 7:41		0.0225
6/19/2018 7:42		0.0214
6/19/2018 7:43		0.0213
6/19/2018 7:44		0.0211
6/19/2018 7:45		0.021
6/19/2018 7:46		0.0209
6/19/2018 7:47		0.0208
6/19/2018 7:48		0.0204
6/19/2018 7:49		0.0205
6/19/2018 7:50		0.0199
6/19/2018 7:51		0.0197
6/19/2018 7:52		0.0197
6/19/2018 7:53		0.0197
6/19/2018 7:54		0.0195
6/19/2018 7:55		0.0194
6/19/2018 7:56		0.0185
6/19/2018 7:57		0.0184
6/19/2018 7:58		0.0184
6/19/2018 7:59		0.0184
6/19/2018 8:00		0.0184
6/19/2018 8:01		0.0184
6/19/2018 8:02		0.0183
6/19/2018 8:03		0.0183
6/19/2018 8:04		0.0181
6/19/2018 8:05		0.0181
6/19/2018 8:06		0.0181
6/19/2018 8:07		0.018
6/19/2018 8:08		0.018

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 8:09		0.018
6/19/2018 8:10		0.0181
6/19/2018 8:11		0.018
6/19/2018 8:12		0.018
6/19/2018 8:13		0.018
6/19/2018 8:14		0.0183
6/19/2018 8:15		0.0183
6/19/2018 8:16		0.0183
6/19/2018 8:17		0.0183
6/19/2018 8:18		0.0184
6/19/2018 8:19		0.0188
6/19/2018 8:20		0.0191
6/19/2018 8:21		0.0193
6/19/2018 8:22		0.0201
6/19/2018 8:23		0.0204
6/19/2018 8:24		0.0204
6/19/2018 8:25		0.0205
6/19/2018 8:26		0.0205
6/19/2018 8:27		0.0205
6/19/2018 8:28		0.0205
6/19/2018 8:29		0.0203
6/19/2018 8:30		0.0203
6/19/2018 8:31		0.0202
6/19/2018 8:32		0.0202
6/19/2018 8:33		0.0202
6/19/2018 8:34		0.0199
6/19/2018 8:35		0.0196
6/19/2018 8:36		0.0194
6/19/2018 8:37		0.0185
6/19/2018 8:38		0.0183
6/19/2018 8:39		0.0183
6/19/2018 8:40		0.0182
6/19/2018 8:41		0.0182
6/19/2018 8:42		0.0182
6/19/2018 8:43		0.0181
6/19/2018 8:44		0.0181
6/19/2018 8:45		0.018
6/19/2018 8:46		0.0179
6/19/2018 8:47		0.0179
6/19/2018 8:48		0.0177
6/19/2018 8:49		0.0176
6/19/2018 8:50		0.0175
6/19/2018 8:51		0.0175
6/19/2018 8:52		0.0174
6/19/2018 8:53		0.0173
6/19/2018 8:54		0.0173
6/19/2018 8:55		0.0171
6/19/2018 8:56		0.0171

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 8:57		0.0171
6/19/2018 8:58		0.0171
6/19/2018 8:59		0.0171
6/19/2018 9:00		0.0171
6/19/2018 9:01		0.0171
6/19/2018 9:02		0.0171
6/19/2018 9:03		0.0171
6/19/2018 9:04		0.0172
6/19/2018 9:05		0.0173
6/19/2018 9:06		0.0173
6/19/2018 9:07		0.0173
6/19/2018 9:08		0.0173
6/19/2018 9:09		0.0173
6/19/2018 9:10		0.0173
6/19/2018 9:11		0.0173
6/19/2018 9:12		0.0172
6/19/2018 9:13		0.0171
6/19/2018 9:14		0.0171
6/19/2018 9:15		0.0171
6/19/2018 9:16		0.0171
6/19/2018 9:17		0.017
6/19/2018 9:18		0.0169
6/19/2018 9:19		0.0168
6/19/2018 9:20		0.0168
6/19/2018 9:21		0.0167
6/19/2018 9:22		0.0167
6/19/2018 9:23		0.0166
6/19/2018 9:24		0.0165
6/19/2018 9:25		0.0165
6/19/2018 9:26		0.0165
6/19/2018 9:27		0.0165
6/19/2018 9:28		0.0166
6/19/2018 9:29		0.0171
6/19/2018 9:32	0	
6/19/2018 9:33	0	
6/19/2018 9:34	0	0.0174
6/19/2018 9:35	0	0.0173
6/19/2018 9:36	0	0.0174
6/19/2018 9:37	0	0.0177
6/19/2018 9:38	0	0.0182
6/19/2018 9:39	0	0.0183
6/19/2018 9:40	0	0.0182
6/19/2018 9:41	0	0.0183
6/19/2018 9:42	0	0.0182
6/19/2018 9:43	0	0.0181
6/19/2018 9:44	0	0.0177
6/19/2018 9:45	0	0.0177
6/19/2018 9:46	0	0.0179

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 9:47	0	0.0184
6/19/2018 9:48	0	0.0185
6/19/2018 9:49	0	0.0185
6/19/2018 9:50	0	0.0185
6/19/2018 9:51	0	0.019
6/19/2018 9:52	0	0.0194
6/19/2018 9:53	0	0.0191
6/19/2018 9:54	0	0.0191
6/19/2018 9:55	0	0.0191
6/19/2018 9:56	0	0.0188
6/19/2018 9:57	0	0.0187
6/19/2018 9:58	0	0.0187
6/19/2018 9:59	0	0.0185
6/19/2018 10:00	0	0.0184
6/19/2018 10:01	0	0.0182
6/19/2018 10:02	0	0.0177
6/19/2018 10:03	0	0.0173
6/19/2018 10:04	0	0.0172
6/19/2018 10:05	0	0.0171
6/19/2018 10:06	0	0.0163
6/19/2018 10:07	0	0.0155
6/19/2018 10:08	0	0.0161
6/19/2018 10:09	0	0.023
6/19/2018 10:10	0	0.024
6/19/2018 10:11	0	0.0242
6/19/2018 10:12	0	0.0245
6/19/2018 10:13	0	0.0309
6/19/2018 10:14	0	0.0312
6/19/2018 10:15	0	0.0311
6/19/2018 10:16	0	0.0309
6/19/2018 10:17	0	0.0309
6/19/2018 10:18	0	0.0309
6/19/2018 10:19	0	0.0309
6/19/2018 10:20	0	0.0311
6/19/2018 10:21	0	0.0324
6/19/2018 10:22	0	0.033
6/19/2018 10:23	0	0.0331
6/19/2018 10:24	0	0.0262
6/19/2018 10:25	0	0.0253
6/19/2018 10:26	0	0.0255
6/19/2018 10:27	0	0.0253
6/19/2018 10:28	0	0.0189
6/19/2018 10:29	0	0.0186
6/19/2018 10:30	0	0.0187
6/19/2018 10:31	0	0.0188
6/19/2018 10:32	0	0.0191
6/19/2018 10:33	0	0.0193
6/19/2018 10:34	0	0.0193

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 10:35	0	0.0193
6/19/2018 10:36	0	0.0181
6/19/2018 10:37	0	0.0177
6/19/2018 10:38	0	0.017
6/19/2018 10:39	0	0.017
6/19/2018 10:40	0	0.0169
6/19/2018 10:41	0	0.0167
6/19/2018 10:42	0	0.0165
6/19/2018 10:43	0	0.0165
6/19/2018 10:44	0	0.0165
6/19/2018 10:45	0	0.0164
6/19/2018 10:46	0	0.0163
6/19/2018 10:47	0	0.016
6/19/2018 10:48	0	0.0158
6/19/2018 10:49	0	0.0158
6/19/2018 10:50	0	0.0157
6/19/2018 10:51	0	0.0155
6/19/2018 10:52	0	0.0155
6/19/2018 10:53	0	0.0154
6/19/2018 10:54	0	0.0152
6/19/2018 10:55	0	0.0151
6/19/2018 10:56	0	0.0151
6/19/2018 10:57	0	0.0151
6/19/2018 10:58	0	0.0158
6/19/2018 10:59	0	0.0157
6/19/2018 11:00	0	0.0157
6/19/2018 11:01	0	0.0157
6/19/2018 11:02	0	0.0157
6/19/2018 11:03	0	0.0156
6/19/2018 11:04	0	0.0157
6/19/2018 11:05	0	0.0156
6/19/2018 11:06	0	0.0155
6/19/2018 11:07	0	0.0155
6/19/2018 11:08	0	0.0154
6/19/2018 11:09	0	0.0153
6/19/2018 11:10	0	0.0153
6/19/2018 11:11	0	0.0153
6/19/2018 11:12	0	0.0152
6/19/2018 11:13	0	0.0143
6/19/2018 11:14	0	0.0143
6/19/2018 11:15	0	0.0143
6/19/2018 11:16	0	0.0143
6/19/2018 11:17	0	0.0142
6/19/2018 11:18	0	0.0142
6/19/2018 11:19	0	0.0141
6/19/2018 11:20	0	0.0142
6/19/2018 11:21	0	0.0143
6/19/2018 11:22	0	0.0144

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 11:23	0	0.0145
6/19/2018 11:24	0	0.0147
6/19/2018 11:25	0	0.015
6/19/2018 11:26	0	0.016
6/19/2018 11:27	0	0.0175
6/19/2018 11:28	0	0.0179
6/19/2018 11:29	0	0.0182
6/19/2018 11:30	0	0.0197
6/19/2018 11:31	0	0.0197
6/19/2018 11:32	0	0.0197
6/19/2018 11:33	0	0.0198
6/19/2018 11:34	0	0.0197
6/19/2018 11:35	0	0.0199
6/19/2018 11:36	0	0.0219
6/19/2018 11:37	0	0.0221
6/19/2018 11:38	0	0.0244
6/19/2018 11:39	0	0.0247
6/19/2018 11:40	0	0.0252
6/19/2018 11:41	0	0.0252
6/19/2018 11:42	0	0.0244
6/19/2018 11:43	0	0.0245
6/19/2018 11:44	0	0.0243
6/19/2018 11:45	0	0.0229
6/19/2018 11:46	0	0.0229
6/19/2018 11:47	0	0.0229
6/19/2018 11:48	0	0.023
6/19/2018 11:49	0	0.0232
6/19/2018 11:50	0	0.0231
6/19/2018 11:51	0	0.0211
6/19/2018 11:52	0	0.0211
6/19/2018 11:53	0	0.0188
6/19/2018 11:54	0	0.0185
6/19/2018 11:55	0	0.0179
6/19/2018 11:56	0	0.018
6/19/2018 11:57	0	0.0174
6/19/2018 11:58	0	0.0169
6/19/2018 11:59	0	0.0169
6/19/2018 12:00	0	0.0169
6/19/2018 12:01	0	0.0168
6/19/2018 12:02	0	0.0178
6/19/2018 12:03	0	0.0177
6/19/2018 12:04	0	0.0175
6/19/2018 12:05	0	0.0175
6/19/2018 12:06	0	0.0174
6/19/2018 12:07	0	0.0172
6/19/2018 12:08	0	0.0171
6/19/2018 12:09	0	0.0171
6/19/2018 12:10	0	0.0169

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 12:11	0	0.0159
6/19/2018 12:12	0	0.0159
6/19/2018 12:13	0	0.0159
6/19/2018 12:14	0	0.0159
6/19/2018 12:15	0	0.0159
6/19/2018 12:16	0	0.016
6/19/2018 12:17	0	0.015
6/19/2018 12:18	0	0.0151
6/19/2018 12:19	0	0.015
6/19/2018 12:20	0	0.0149
6/19/2018 12:21	0	0.0148
6/19/2018 12:22	0	0.0147
6/19/2018 12:23	0	0.0147
6/19/2018 12:24	0	0.0146
6/19/2018 12:25	0	0.0145
6/19/2018 12:26	0	0.0147
6/19/2018 12:27	0	0.0146
6/19/2018 12:28	0	0.0149
6/19/2018 12:29	0	0.015
6/19/2018 12:30	0	0.0151
6/19/2018 12:31	0	0.015
6/19/2018 12:32	0	0.0151
6/19/2018 12:33	0	0.0155
6/19/2018 12:34	0	0.0156
6/19/2018 12:35	0	0.0173
6/19/2018 12:36	0	0.0175
6/19/2018 12:37	0	0.0215
6/19/2018 12:38	0	0.0215
6/19/2018 12:39	0	0.0277
6/19/2018 12:40	0	0.0277
6/19/2018 12:41	0	0.0314
6/19/2018 12:42	0	0.0315
6/19/2018 12:43	0	0.0311
6/19/2018 12:44	0	0.031
6/19/2018 12:45	0	0.0309
6/19/2018 12:46	0	0.0309
6/19/2018 12:47	0	0.0309
6/19/2018 12:48	0	0.0305
6/19/2018 12:49	0	0.0305
6/19/2018 12:50	0	0.0289
6/19/2018 12:51	0	0.0287
6/19/2018 12:52	0	0.0248
6/19/2018 12:53	0	0.0249
6/19/2018 12:54	0	0.0188
6/19/2018 12:55	0	0.0188
6/19/2018 12:56	0	0.015
6/19/2018 12:57	0	0.0149
6/19/2018 12:58	0	0.0148

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 12:59	0	0.0147
6/19/2018 13:00	0	0.0146
6/19/2018 13:01	0	0.0145
6/19/2018 13:02	0	0.0142
6/19/2018 13:03	0	0.0141
6/19/2018 13:04	0	0.0141
6/19/2018 13:05	0	0.014
6/19/2018 13:06	0	0.0141
6/19/2018 13:07	0	0.0141
6/19/2018 13:08	0	0.0141
6/19/2018 13:09	0	0.0147
6/19/2018 13:10	0	0.0147
6/19/2018 13:11	0	0.0147
6/19/2018 13:12	0	0.0149
6/19/2018 13:13	0	0.015
6/19/2018 13:14	0	0.0151
6/19/2018 13:15	0	0.0153
6/19/2018 13:16	0	0.0155
6/19/2018 13:17	0	0.0156
6/19/2018 13:18	0	0.0156
6/19/2018 13:19	0	0.0157
6/19/2018 13:20	0	0.0157
6/19/2018 13:21	0	0.0159
6/19/2018 13:22	0	0.0159
6/19/2018 13:23	0	0.0159
6/19/2018 13:24	0	0.0152
6/19/2018 13:25	0	0.0154
6/19/2018 13:26	0	0.0153
6/19/2018 13:27	0	0.0153
6/19/2018 13:28	0	0.0153
6/19/2018 13:29	0	0.0158
6/19/2018 13:30	0	0.0166
6/19/2018 13:31	0	0.0169
6/19/2018 13:32	0	0.0175
6/19/2018 13:33	0	0.0185
6/19/2018 13:34	0	0.0186
6/19/2018 13:35	0	0.0191
6/19/2018 13:36	0	0.0191
6/19/2018 13:37	0	0.0194
6/19/2018 13:38	0	0.0192
6/19/2018 13:39	0	0.0192
6/19/2018 13:40	0	0.0188
6/19/2018 13:41	0	0.0187
6/19/2018 13:42	0	0.0185
6/19/2018 13:43	0	0.0183
6/19/2018 13:44	0	0.0177
6/19/2018 13:45	0	0.0169
6/19/2018 13:46	0	0.0165

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 13:47	0	0.0164
6/19/2018 13:48	0	0.0153
6/19/2018 13:49	0	0.015
6/19/2018 13:50	0	0.0143
6/19/2018 13:51	0	0.0141
6/19/2018 13:52	0	0.0139
6/19/2018 13:53	0	0.0139
6/19/2018 13:54	0	0.0139
6/19/2018 13:55	0	0.0139
6/19/2018 13:56	0	0.014
6/19/2018 13:57	0	0.014
6/19/2018 13:58	0	0.0141
6/19/2018 13:59	0	0.0141
6/19/2018 14:00	0	0.0141
6/19/2018 14:01	0	0.0139
6/19/2018 14:02	0	0.0132
6/19/2018 14:03	0	0.0131
6/19/2018 14:04	0	0.0131
6/19/2018 14:05	0	0.0131
43270.5875	0	0.0129
43270.58819	0	0.0125
43270.58889	0	0.0123
43270.58958	0	0.0123
43270.59028	0	0.0122
43270.59097	0	0.0125
43270.59167	0	0.0125
43270.59236	0	0.0124
43270.59306	0	0.0125
43270.59375	0	0.0125
43270.59444	0	0.0131
43270.59514	0	0.0136
43270.59583	0	0.0138
43270.59653	0	0.0138
43270.59722	0	0.0138
43270.59792	0	0.0152
43270.59861	0	0.0154
43270.59931	0	0.0174
43270.6	0	0.0191
43270.60069	0	0.0221
43270.60139	0	0.0271
43270.60208	0	0.0352
43270.60278	0	0.0359
43270.60347	0	0.0358
43270.60417	0	0.0369
43270.60486	0	0.0399
43270.60556	0	0.0394
43270.60625	0	0.0393
43270.60694	0	0.0393

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
43270.60764	0	0.0392
43270.60833	0	0.0378
43270.60903	0	0.0376
43270.60972	0	0.0357
43270.61042	0	0.034
43270.61111	0	0.0311
43270.61181	0	0.0257
43270.6125	0	0.0173
43270.61319	0	0.0167
43270.61389	0	0.0166
43270.61458	0	0.0153
43270.61528	0	0.0116
43270.61597	0	0.0116
43270.61667	0	0.0116
43270.61736	0	0.0115
43270.61806	0	0.0116
43270.61875	0	0.0117
43270.61944	0	0.0118
43270.62014	0	0.0119
43270.62083	0	0.0119
43270.62153	0	0.0119
43270.62222	0	0.0119
43270.62292	0	0.012
43270.62361	0	0.012
43270.62431	0	0.012
43270.625	0	0.0121
43270.62569	0	0.0121

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 7:13	0	
6/22/2018 7:14	0	
6/22/2018 7:15	0	0.02
6/22/2018 7:16	0	0.0205
6/22/2018 7:17	0	0.0207
6/22/2018 7:18	0	0.0208
6/22/2018 7:19	0	0.0206
6/22/2018 7:20	0	0.0205
6/22/2018 7:21	0	0.0206
6/22/2018 7:22	0	0.0206
6/22/2018 7:23	0	0.0208
6/22/2018 7:24	0	0.0207
6/22/2018 7:25	0	0.0206
6/22/2018 7:26	0	0.0206
6/22/2018 7:27	0	0.0205
6/22/2018 7:28	0	0.0206
6/22/2018 7:29	0	0.0207
6/22/2018 7:30	0	0.0208
6/22/2018 7:31	0	0.0209
6/22/2018 7:32	0	0.021
6/22/2018 7:33	0	0.0212
6/22/2018 7:34	0	0.0213
6/22/2018 7:35	0	0.0213
6/22/2018 7:36	0	0.0212
6/22/2018 7:37	0	0.0211
6/22/2018 7:38	0	0.0209
6/22/2018 7:39	0	0.0208
6/22/2018 7:40	0	0.0207
6/22/2018 7:41	0	0.0207
6/22/2018 7:42	0	0.0207
6/22/2018 7:43	0	0.0207
6/22/2018 7:44	0	0.0207
6/22/2018 7:45	0	0.0207
6/22/2018 7:46	0	0.0205
6/22/2018 7:47	0	0.0203
6/22/2018 7:48	0	0.0199
6/22/2018 7:49	0	0.0198
6/22/2018 7:50	0	0.0197
6/22/2018 7:51	0	0.0197
6/22/2018 7:52	0	0.0196
6/22/2018 7:53	0	0.0195
6/22/2018 7:54	0	0.0195
6/22/2018 7:55	0	0.0194
6/22/2018 7:56	0	0.0193
6/22/2018 7:57	0	0.0193
6/22/2018 7:58	0	0.0191
6/22/2018 7:59	0	0.0187
6/22/2018 8:00	0	0.0185

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 8:01	0	0.0184
6/22/2018 8:02	0	0.0183
6/22/2018 8:03	0	0.0183
6/22/2018 8:04	0	0.0182
6/22/2018 8:05	0	0.0181
6/22/2018 8:06	0	0.0182
6/22/2018 8:07	0	0.0193
6/22/2018 8:08	0	0.0194
6/22/2018 8:09	0	0.0195
6/22/2018 8:10	0	0.0195
6/22/2018 8:11	0	0.0206
6/22/2018 8:12	0	0.0207
6/22/2018 8:13	0	0.0207
6/22/2018 8:14	0	0.0208
6/22/2018 8:15	0	0.0209
6/22/2018 8:16	0	0.0209
6/22/2018 8:17	0	0.021
6/22/2018 8:18	0	0.0211
6/22/2018 8:19	0	0.0211
6/22/2018 8:20	0	0.0216
6/22/2018 8:21	0	0.0215
6/22/2018 8:22	0	0.0204
6/22/2018 8:23	0	0.0204
6/22/2018 8:24	0	0.0204
6/22/2018 8:25	0	0.0204
6/22/2018 8:26	0	0.0193
6/22/2018 8:27	0	0.0193
6/22/2018 8:28	0	0.0193
6/22/2018 8:29	0	0.0193
6/22/2018 8:30	0	0.0192
6/22/2018 8:31	0	0.0191
6/22/2018 8:32	0	0.0191
6/22/2018 8:33	0	0.019
6/22/2018 8:34	0	0.019
6/22/2018 8:35	0	0.0185
6/22/2018 8:36	0	0.0185
6/22/2018 8:37	0	0.0185
6/22/2018 8:38	0	0.0185
6/22/2018 8:39	0	0.0185
6/22/2018 8:40	0	0.0185
6/22/2018 8:41	0	0.0185
6/22/2018 8:42	0	0.0185
6/22/2018 8:43	0	0.0184
6/22/2018 8:44	0	0.0184
6/22/2018 8:45	0	0.0184
6/22/2018 8:46	0	0.0184
6/22/2018 8:47	0	0.0184
6/22/2018 8:48	0	0.0184

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 8:49	0	0.0183
6/22/2018 8:50	0	0.0183
6/22/2018 8:51	0	0.0183
6/22/2018 8:52	0	0.0183
6/22/2018 8:53	0	0.0181
6/22/2018 8:54	0	0.0181
6/22/2018 8:55	0	0.018
6/22/2018 8:56	0	0.0179
6/22/2018 8:57	0	0.018
6/22/2018 8:58	0	0.0181
6/22/2018 8:59	0	0.018
6/22/2018 9:00	0	0.018
6/22/2018 9:01	0	0.018
6/22/2018 9:02	0	0.0179
6/22/2018 9:03	0	0.0179
6/22/2018 9:04	0	0.0179
6/22/2018 9:05	0	0.0179
6/22/2018 9:06	0	0.0179
6/22/2018 9:07	0	0.018
6/22/2018 9:08	0	0.0181
6/22/2018 9:09	0	0.0181
6/22/2018 9:10	0	0.0181
6/22/2018 9:11	0	0.0183
6/22/2018 9:12	0	0.0183
6/22/2018 9:13	0	0.0182
6/22/2018 9:14	0	0.0182
6/22/2018 9:15	0	0.0182
6/22/2018 9:16	0	0.0182
6/22/2018 9:17	0	0.0183
6/22/2018 9:18	0	0.0185
6/22/2018 9:19	0	0.0186
6/22/2018 9:20	0	0.0191
6/22/2018 9:21	0	0.0192
6/22/2018 9:22	0	0.0195
6/22/2018 9:23	0	0.0209
6/22/2018 9:24	0	0.0215
6/22/2018 9:25	0	0.0221
6/22/2018 9:26	0	0.0221
6/22/2018 9:27	0	0.0223
6/22/2018 9:28	0	0.0224
6/22/2018 9:29	0	0.0223
6/22/2018 9:30	0	0.0223
6/22/2018 9:31	0	0.0223
6/22/2018 9:32	0	0.0221
6/22/2018 9:33	0	0.0217
6/22/2018 9:34	0	0.0214
6/22/2018 9:35	0	0.0207
6/22/2018 9:36	0	0.0243

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 9:37	0	0.0245
6/22/2018 9:38	0	0.0263
6/22/2018 9:39	0	0.0265
6/22/2018 9:40	0	0.0278
6/22/2018 9:41	0	0.0278
6/22/2018 9:42	0	0.0275
6/22/2018 9:43	0	0.0273
6/22/2018 9:44	0	0.0273
6/22/2018 9:45	0	0.0271
6/22/2018 9:46	0	0.027
6/22/2018 9:47	0	0.0269
6/22/2018 9:48	0	0.0269
6/22/2018 9:49	0	0.027
6/22/2018 9:50	0	0.0269
6/22/2018 9:51	0	0.0231
6/22/2018 9:52	0	0.0225
6/22/2018 9:53	0	0.019
6/22/2018 9:54	0	0.0181
6/22/2018 9:55	0	0.018
6/22/2018 9:56	0	0.0199
6/22/2018 9:57	0	0.0203
6/22/2018 9:58	0	0.0228
6/22/2018 9:59	0	0.0243
6/22/2018 10:00	0	0.0247
6/22/2018 10:01	0	0.0247
6/22/2018 10:02	0	0.0247
6/22/2018 10:03	0	0.0247
6/22/2018 10:04	0	0.0246
6/22/2018 10:05	0	0.0247
6/22/2018 10:06	0	0.0256
6/22/2018 10:07	0	0.0255
6/22/2018 10:08	0	0.0254
6/22/2018 10:09	0	0.0254
6/22/2018 10:10	0	0.0234
6/22/2018 10:11	0	0.0213
6/22/2018 10:12	0	0.0208
6/22/2018 10:13	0	0.0182
6/22/2018 10:14	0	0.0167
6/22/2018 10:15	0	0.0162
6/22/2018 10:16	0	0.0161
6/22/2018 10:17	0	0.0161
6/22/2018 10:18	0	0.0161
6/22/2018 10:19	0	0.0161
6/22/2018 10:20	0	0.016
6/22/2018 10:21	0	0.0151
6/22/2018 10:22	0	0.0151
6/22/2018 10:23	0	0.0152
6/22/2018 10:24	0	0.0151

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 10:25	0	0.015
6/22/2018 10:26	0	0.0147
6/22/2018 10:27	0	0.0147
6/22/2018 10:28	0	0.0146
6/22/2018 10:29	0	0.0145
6/22/2018 10:30	0	0.0145
6/22/2018 10:31	0	0.0145
6/22/2018 10:32	0	0.0145
6/22/2018 10:33	0	0.0144
6/22/2018 10:34	0	0.0143
6/22/2018 10:35	0	0.0144
6/22/2018 10:36	0	0.0144
6/22/2018 10:37	0	0.0143
6/22/2018 10:38	0	0.0143
6/22/2018 10:39	0	0.0144
6/22/2018 10:40	0	0.0144
6/22/2018 10:41	0	0.0144
6/22/2018 10:42	0	0.0144
6/22/2018 10:43	0	0.0144
6/22/2018 10:44	0	0.0143
6/22/2018 10:45	0	0.0143
6/22/2018 10:46	0	0.0143
6/22/2018 10:47	0	0.0143
6/22/2018 10:48	0	0.0143
6/22/2018 10:49	0	0.0143
6/22/2018 10:50	0	0.0143
6/22/2018 10:51	0	0.0142
6/22/2018 10:52	0	0.0142
6/22/2018 10:53	0	0.0143
6/22/2018 10:54	0	0.0144
6/22/2018 10:55	0	0.0145
6/22/2018 10:56	0	0.0145
6/22/2018 10:57	0	0.0146
6/22/2018 10:58	0	0.0147
6/22/2018 10:59	0	0.0202
6/22/2018 11:00	0	0.0203
6/22/2018 11:01	0	0.0203
6/22/2018 11:02	0	0.0203
6/22/2018 11:03	0	0.0203
6/22/2018 11:04	0	0.0204
6/22/2018 11:05	0	0.0205
6/22/2018 11:06	0	0.0205
6/22/2018 11:07	0	0.0205
6/22/2018 11:08	0	0.0206
6/22/2018 11:09	0	0.0207
6/22/2018 11:10	0	0.0209
6/22/2018 11:11	0	0.0211
6/22/2018 11:12	0	0.0214

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 11:13	0	0.0216
6/22/2018 11:14	0	0.0165
6/22/2018 11:15	0	0.0171
6/22/2018 11:16	0	0.0176
6/22/2018 11:17	0	0.0179
6/22/2018 11:18	0	0.0182
6/22/2018 11:19	0	0.0185
6/22/2018 11:20	0	0.0187
6/22/2018 11:21	0	0.0189
6/22/2018 11:22	0	0.019
6/22/2018 11:23	0	0.0189
6/22/2018 11:24	0	0.0189
6/22/2018 11:25	0	0.0191
6/22/2018 11:26	0	0.0189
6/22/2018 11:27	0	0.0187
6/22/2018 11:28	0	0.0185
6/22/2018 11:29	0	0.0185
6/22/2018 11:30	0	0.0181
6/22/2018 11:31	0	0.0177
6/22/2018 11:32	0	0.0175
6/22/2018 11:33	0	0.0175
6/22/2018 11:34	0	0.0177
6/22/2018 11:35	0	0.0175
6/22/2018 11:36	0	0.0173
6/22/2018 11:37	0	0.0173
6/22/2018 11:38	0	0.0173
6/22/2018 11:39	0	0.017
6/22/2018 11:40	0	0.0167
6/22/2018 11:41	0	0.0168
6/22/2018 11:42	0	0.0167
6/22/2018 11:43	0	0.0168
6/22/2018 11:44	0	0.0165
6/22/2018 11:45	0	0.0164
6/22/2018 11:46	0	0.0164
6/22/2018 11:47	0	0.0164
6/22/2018 11:48	0	0.0161
6/22/2018 11:49	0	0.0156
6/22/2018 11:50	0	0.0155
6/22/2018 11:51	0	0.0155
6/22/2018 11:52	0	0.0155
6/22/2018 11:53	0	0.0155
6/22/2018 11:54	0	0.0155
6/22/2018 11:55	0	0.0155
6/22/2018 11:56	0	0.0154
6/22/2018 11:57	0	0.0154
6/22/2018 11:58	0	0.0159
6/22/2018 11:59	0	0.0175
6/22/2018 12:00	0	0.0176

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 12:01	0	0.0177
6/22/2018 12:02	0	0.0177
6/22/2018 12:03	0	0.0178
6/22/2018 12:04	0	0.0185
6/22/2018 12:05	0	0.0186
6/22/2018 12:06	0	0.0189
6/22/2018 12:07	0	0.019
6/22/2018 12:08	0	0.0191
6/22/2018 12:09	0	0.0191
6/22/2018 12:10	0	0.0192
6/22/2018 12:11	0	0.0193
6/22/2018 12:12	0	0.0193
6/22/2018 12:13	0	0.0188
6/22/2018 12:14	0	0.0173
6/22/2018 12:15	0	0.0171
6/22/2018 12:16	0	0.0171
6/22/2018 12:17	0	0.0171
6/22/2018 12:18	0	0.017
6/22/2018 12:19	0	0.0165
6/22/2018 12:20	0	0.0164
6/22/2018 12:21	0	0.0162
6/22/2018 12:22	0	0.0161
6/22/2018 12:23	0	0.0161
6/22/2018 12:24	0	0.0161
6/22/2018 12:25	0	0.0161
6/22/2018 12:26	0	0.0161
6/22/2018 12:27	0	0.0161
6/22/2018 12:28	0	0.0161
6/22/2018 12:29	0	0.0162
6/22/2018 12:30	0	0.0163
6/22/2018 12:31	0	0.0163
6/22/2018 12:32	0	0.0164
6/22/2018 12:33	0	0.0165
6/22/2018 12:34	0	0.0165
6/22/2018 12:35	0	0.0165
6/22/2018 12:36	0	0.0166
6/22/2018 12:37	0	0.0167
6/22/2018 12:38	0	0.0167
6/22/2018 12:39	0	0.0168
6/22/2018 12:40	0	0.0183
6/22/2018 12:41	0	0.0185
6/22/2018 12:42	0	0.0187
6/22/2018 12:43	0	0.0187
6/22/2018 12:44	0	0.0188
6/22/2018 12:45	0	0.0189
6/22/2018 12:46	0	0.019
6/22/2018 12:47	0	0.0191
6/22/2018 12:48	0	0.0191

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 12:49	0	0.0192
6/22/2018 12:50	0	0.0193
6/22/2018 12:51	0	0.0193
6/22/2018 12:52	0	0.0194
6/22/2018 12:53	0	0.0195
6/22/2018 12:54	0	0.0195
6/22/2018 12:55	0	0.0181
6/22/2018 12:56	0	0.0181
6/22/2018 12:57	0	0.0181
6/22/2018 12:58	0	0.0181
6/22/2018 12:59	0	0.0181
6/22/2018 13:00	0	0.0181
6/22/2018 13:01	0	0.018
6/22/2018 13:02	0	0.018
6/22/2018 13:03	0	0.0183
6/22/2018 13:04	0	0.0184
6/22/2018 13:05	0	0.0193
6/22/2018 13:06	0	0.0209
6/22/2018 13:07	0	0.0215
6/22/2018 13:08	0	0.026
6/22/2018 13:09	0	0.0262
6/22/2018 13:10	0	0.0265
6/22/2018 13:11	0	0.0265
6/22/2018 13:12	0	0.0265
6/22/2018 13:13	0	0.0266
6/22/2018 13:14	0	0.0267
6/22/2018 13:15	0	0.0267
6/22/2018 13:16	0	0.0268
6/22/2018 13:17	0	0.0284
6/22/2018 13:18	0	0.0293
6/22/2018 13:19	0	0.0293
6/22/2018 13:20	0	0.0284
6/22/2018 13:21	0	0.0269
6/22/2018 13:22	0	0.0263
6/22/2018 13:23	0	0.0219
6/22/2018 13:24	0	0.0217
6/22/2018 13:25	0	0.0215
6/22/2018 13:26	0	0.0215
6/22/2018 13:27	0	0.0217
6/22/2018 13:28	0	0.022
6/22/2018 13:29	0	0.0225
6/22/2018 13:30	0	0.0228
6/22/2018 13:31	0	0.0231
6/22/2018 13:32	0	0.0217
6/22/2018 13:33	0	0.0207
6/22/2018 13:34	0	0.0209
6/22/2018 13:35	0	0.0212
6/22/2018 13:36	0	0.0215

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 13:37	0	0.0219
6/22/2018 13:38	0	0.0235
6/22/2018 13:39	0	0.0241
6/22/2018 13:40	0	0.0241
6/22/2018 13:41	0	0.0246
6/22/2018 13:42	0	0.0249
6/22/2018 13:43	0	0.0247
6/22/2018 13:44	0	0.0244
6/22/2018 13:45	0	0.0243
6/22/2018 13:46	0	0.0242
6/22/2018 13:47	0	0.0246
6/22/2018 13:48	0	0.0247
6/22/2018 13:49	0	0.0245
6/22/2018 13:50	0	0.0245
6/22/2018 13:51	0	0.0243
6/22/2018 13:52	0	0.0241
6/22/2018 13:53	0	0.0225
6/22/2018 13:54	0	0.0221
6/22/2018 13:55	0	0.0261
6/22/2018 13:56	0	0.0278
6/22/2018 13:57	0	0.0307
6/22/2018 13:58	0	0.0311
6/22/2018 13:59	0	0.0325
6/22/2018 14:00	0	0.0339
6/22/2018 14:01	0	0.0343
6/22/2018 14:02	0	0.0355
6/22/2018 14:03	0	0.0361
6/22/2018 14:04	0	0.0367
6/22/2018 14:05	0	0.0369
6/22/2018 14:06	0	0.0369
6/22/2018 14:07	0	0.0369
6/22/2018 14:08	0	0.0369
6/22/2018 14:09	0	0.0381
6/22/2018 14:10	0	0.0362
6/22/2018 14:11	0	0.0381
6/22/2018 14:12	0	0.0363
6/22/2018 14:13	0	0.0367
6/22/2018 14:14	0	0.0373
6/22/2018 14:15	0	0.0358
6/22/2018 14:16	0	0.0352
6/22/2018 14:17	0	0.0335
6/22/2018 14:18	0	0.0327
6/22/2018 14:19	0	0.0321
6/22/2018 14:20	0	0.0323
6/22/2018 14:21	0	0.0323
6/22/2018 14:22	0	0.0324
6/22/2018 14:23	0	0.0325
6/22/2018 14:24	0	0.0311

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 14:25	0	0.0295
6/22/2018 14:26	0	0.0257
6/22/2018 14:27	0	0.0243
6/22/2018 14:28	0	0.0235
6/22/2018 14:29	0	0.0213
6/22/2018 14:30	0	0.0214
6/22/2018 14:31	0	0.0214
6/22/2018 14:32	0	0.0215
6/22/2018 14:33	0	0.0215
6/22/2018 14:34	0	0.0213
6/22/2018 14:35	0	0.0209
6/22/2018 14:36	0	0.0209
6/22/2018 14:37	0	0.0209
6/22/2018 14:38	0	0.0208
6/22/2018 14:39	0	0.0208
6/22/2018 14:40	0	0.0203
6/22/2018 14:41	0	0.0201
6/22/2018 14:42	0	0.0201
6/22/2018 14:43	0	0.0201
6/22/2018 14:44	0	0.0201
6/22/2018 14:45	0	0.0201
6/22/2018 14:46	0	0.0215
6/22/2018 14:47	0	0.0215
6/22/2018 14:48	0	0.0215
6/22/2018 14:49	0	0.0216
6/22/2018 14:50	0	0.0216
6/22/2018 14:51	0	0.0216
6/22/2018 14:52	0	0.0216
6/22/2018 14:53	0	0.0216
6/22/2018 14:54	0	0.0216
6/22/2018 14:55	0	0.0216
6/22/2018 14:56	0	0.0217
6/22/2018 14:57	0	0.0217
6/22/2018 14:58	0	0.0218
6/22/2018 14:59	0	0.0219
6/22/2018 15:00	0	0.0219
6/22/2018 15:01	0	0.0206
6/22/2018 15:02	0	0.0206
6/22/2018 15:03	0	0.0207
6/22/2018 15:04	0	0.0207
6/22/2018 15:05	0	0.0207
6/22/2018 15:06	0	0.0209
6/22/2018 15:07	0	0.0209
6/22/2018 15:08	0	0.0211
6/22/2018 15:09	0	0.0212
6/22/2018 15:10	0	0.0214
6/22/2018 15:11	0	0.0215
6/22/2018 15:12	0	0.0216

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 15:13	0	0.0217
6/22/2018 15:14	0	0.0217
6/22/2018 15:15	0	0.0218
6/22/2018 15:16	0	0.0219
6/22/2018 15:17	0	0.0219
6/22/2018 15:18	0	0.022
6/22/2018 15:19	0	0.0221
6/22/2018 15:20	0	0.0221
6/22/2018 15:21	0	0.022
6/22/2018 15:22	0	0.0221
6/22/2018 15:23	0	0.022
6/22/2018 15:24	0	0.022
6/22/2018 15:25	0	0.0219
6/22/2018 15:26	0	0.0218
6/22/2018 15:27	0	0.0217
6/22/2018 15:28	0	0.0217
6/22/2018 15:29	0	0.0217
6/22/2018 15:30	0	0.0217
6/22/2018 15:31	0	0.0217
6/22/2018 15:32	0	0.0217
6/22/2018 15:33	0	0.0217
6/22/2018 15:34	0	0.0217
6/22/2018 15:35	0	0.0217
6/22/2018 15:36	0	0.0218
6/22/2018 15:37	0	0.0218
6/22/2018 15:38	0	0.0219
6/22/2018 15:39	0	0.0219
6/22/2018 15:40	0	0.0219
6/22/2018 15:41	0	0.022
6/22/2018 15:42	0	0.0221
6/22/2018 15:43	0	0.0221
6/22/2018 15:44	0	0.0221
6/22/2018 15:45	0	0.0221
6/22/2018 15:46	0	0.0221
6/22/2018 15:47	0	0.0221
6/22/2018 15:48	0	0.0221
6/22/2018 15:49	0	0.022
6/22/2018 15:50	0	0.022
6/22/2018 15:51	0	0.0221
6/22/2018 15:52	0	0.0221
6/22/2018 15:53	0	0.0222
6/22/2018 15:54	0	0.0222
6/22/2018 15:55	0	0.0222
6/22/2018 15:56	0	0.0222
6/22/2018 15:57	0	0.0223
6/22/2018 15:58	0	0.0223
6/22/2018 15:59	0	0.0223
6/22/2018 16:00	0	0.0223

UPWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 16:01	0	0.0242
6/22/2018 16:02	0	0.0243
6/22/2018 16:03	0	0.0243
6/22/2018 16:04	0	0.0243
6/22/2018 16:05	0	0.0243
6/22/2018 16:06	0	0.0243
6/22/2018 16:07	0	0.0242
6/22/2018 16:08	0	0.0241
6/22/2018 16:09	0	0.0242
6/22/2018 16:10	0	0.0242
6/22/2018 16:11	0	0.0242
6/22/2018 16:12	0	0.0242
6/22/2018 16:13	0	0.0243
6/22/2018 16:14	0	0.0243
6/22/2018 16:15	0	0.0243
6/22/2018 16:16	0	0.0225
6/22/2018 16:17	0	0.0225
6/22/2018 16:18	0	0.0225
6/22/2018 16:19	0	0.0226
6/22/2018 16:20	0	0.0227
6/22/2018 16:21	0	0.0227
6/22/2018 16:22	0	0.0228
6/22/2018 16:23	0	0.0229
6/22/2018 16:24	0	0.0229
6/22/2018 16:25	0	0.023
6/22/2018 16:26	0	0.0232
6/22/2018 16:27	0	0.0233
6/22/2018 16:28	0	0.0233
6/22/2018 16:29	0	0.0233
6/22/2018 16:30	0	0.0234
6/22/2018 16:31	0	0.0235
6/22/2018 16:32	0	0.0235
6/22/2018 16:33	0	0.0235
6/22/2018 16:34	0	0.0236
6/22/2018 16:35	0	0.0237
6/22/2018 16:36	0	0.0237
6/22/2018 16:37	0	0.0238
6/22/2018 16:38	0	0.0239
6/22/2018 16:39	0	0.0239
6/22/2018 16:40	0	0.024
6/22/2018 16:41	0	0.0239
6/22/2018 16:42	0	0.0239

Upwind

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/27/2018 7:43	0	0.054
6/27/2018 7:58	0	0.029
6/27/2018 8:13	0	0.028
6/27/2018 8:28	0	0.028
6/27/2018 8:43	0	0.024
6/27/2018 8:58	0	0.023
6/27/2018 9:13	0	0.023
6/27/2018 9:28	0	0.024
6/27/2018 9:43	0	0.023
6/27/2018 9:58	0	0.038
6/27/2018 10:13	0	0.03
6/27/2018 10:28	0	0.021
6/27/2018 10:43	0	0.022
6/27/2018 10:58	0	0.02
6/27/2018 11:13	0	0.022
6/27/2018 11:28	0	0.025
6/27/2018 11:43	0	0.029
6/27/2018 11:58	0	0.032
6/27/2018 12:13	0	0.035
6/27/2018 12:28	0	0.036
6/27/2018 12:43	0	0.033
6/27/2018 12:58	0	0.033
6/27/2018 13:13	0	0.032
6/27/2018 13:28	0	0.031
6/27/2018 13:43	0	0.032
6/27/2018 13:58	0	0.03
6/27/2018 14:13	0	0.024
6/27/2018 14:28	0	0.023
6/27/2018 14:43	0	0.022
6/27/2018 14:58	0	0.021
6/27/2018 15:13	0	0.022
6/27/2018 15:28	0	0.022

UPWIND

	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018 7:22	0.09	0.035
6/28/2018 7:23	0.045	0.038
6/28/2018 7:24	0.186	0.04
6/28/2018 7:25	0.126	0.043
6/28/2018 7:26	0.116	0.043
6/28/2018 7:27	0.104	0.045
6/28/2018 7:28	0.193	0.047
6/28/2018 7:29	0.113	0.046
6/28/2018 7:30	0.118	0.045
6/28/2018 7:31	0.113	0.046
6/28/2018 7:32	0.136	0.048
6/28/2018 7:33	0.15	0.052
6/28/2018 7:34	0.125	0.047
6/28/2018 7:35	0.099	0.046
6/28/2018 7:36	0.136	0.047
6/28/2018 7:37	0.157	0.046
6/28/2018 7:38	0.151	0.048
6/28/2018 7:39	0.138	0.05
6/28/2018 7:40	0.133	0.053
6/28/2018 7:41	0.155	0.053
6/28/2018 7:42	0.181	0.05
6/28/2018 7:43	0.122	0.047
6/28/2018 7:44	0.112	0.048
6/28/2018 7:45	0.107	0.052
6/28/2018 7:46	0.107	0.051
6/28/2018 7:47	0.113	0.048
6/28/2018 7:48	0.107	0.047
6/28/2018 7:49	0.094	0.047
6/28/2018 7:50	0.078	0.046
6/28/2018 7:51	0.063	0.043
6/28/2018 7:52	0.03	0.043
6/28/2018 7:53	0	0.044
6/28/2018 7:54	0	0.043
6/28/2018 7:55	0	0.042
6/28/2018 7:56	0	0.04
6/28/2018 7:57	0	0.039
6/28/2018 7:58	0	0.039
6/28/2018 7:59	0	0.039
6/28/2018 8:00	0	0.039
6/28/2018 8:01	0	0.038
6/28/2018 8:02	0	0.039
6/28/2018 8:03	0	0.039
6/28/2018 8:04	0	0.039
6/28/2018 8:05	0	0.038
6/28/2018 8:06	0	0.038
6/28/2018 8:07	0	0.034
6/28/2018 8:08	0	0.034
6/28/2018 8:09	0	0.037
6/28/2018 8:10	0	0.04
6/28/2018 8:11	0	0.063
6/28/2018 8:12	0	0.035
6/28/2018 8:13	0	0.034
6/28/2018 8:14	0	0.034
6/28/2018 8:15	0.004	0.033

UPWIND

	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018 8:16	0.026	0.032
6/28/2018 8:17	0.067	0.033
6/28/2018 8:18	0.047	0.033
6/28/2018 8:19	0.054	0.033
6/28/2018 8:20	0.044	0.033
6/28/2018 8:21	0.033	0.032
6/28/2018 8:22	0.023	0.033
6/28/2018 8:23	0.016	0.033
6/28/2018 8:24	0.028	0.031
6/28/2018 8:25	0.027	0.031
6/28/2018 8:26	0.031	0.031
6/28/2018 8:27	0.035	0.03
6/28/2018 8:28	0.047	0.029
6/28/2018 8:29	0.065	0.028
6/28/2018 8:30	0.09	0.027
6/28/2018 8:31	0.103	0.028
6/28/2018 8:32	0.105	0.028
6/28/2018 8:33	0.052	0.028
6/28/2018 8:34	0	0.028
6/28/2018 8:35	0	0.028
6/28/2018 8:36	0	0.028
6/28/2018 8:37	0	0.028
6/28/2018 8:38	0	0.028
6/28/2018 8:39	0	0.028
6/28/2018 8:40	0	0.027
6/28/2018 8:41	0	0.026
6/28/2018 8:42	0	0.026
6/28/2018 8:43	0	0.025
6/28/2018 8:44	0	0.026
6/28/2018 8:45	0	0.024
6/28/2018 8:46	0	0.023
6/28/2018 8:47	0	0.023
6/28/2018 8:48	0	0.022
6/28/2018 8:49	0	0.022
6/28/2018 8:50	0	0.021
6/28/2018 8:51	0	0.02
6/28/2018 8:52	0.003	0.02
6/28/2018 8:53	0.001	0.02
6/28/2018 8:54	0	0.02
6/28/2018 8:55	0.001	0.02
6/28/2018 8:56	0	0.019
6/28/2018 8:57	0.002	0.019
6/28/2018 8:58	0.001	0.019
6/28/2018 8:59	0.001	0.02
6/28/2018 9:00	0.004	0.02
6/28/2018 9:01	0.002	0.02
6/28/2018 9:02	0.001	0.02
6/28/2018 9:03	0.002	0.021
6/28/2018 9:04	0.003	0.022
6/28/2018 9:05	0.002	0.02
6/28/2018 9:06	0.008	0.02
6/28/2018 9:07	0.005	0.019
6/28/2018 9:08	0.003	0.018
6/28/2018 9:09	0.001	0.018

UPWIND

	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018 9:10	0.005	0.018
6/28/2018 9:11	0.004	0.018
6/28/2018 9:12	0.003	0.018
6/28/2018 9:13	0.005	0.018
6/28/2018 9:14	0.01	0.018
6/28/2018 9:15	0.004	0.02
6/28/2018 9:16	0.004	0.018
6/28/2018 9:17	0.008	0.019
6/28/2018 9:18	0.008	0.018
6/28/2018 9:19	0.011	0.021
6/28/2018 9:20	0.01	0.021
6/28/2018 9:21	0.007	0.02
6/28/2018 9:22	0.021	0.019
6/28/2018 9:23	0.032	0.019
6/28/2018 9:24	0.024	0.021
6/28/2018 9:25	0.023	0.02
6/28/2018 9:26	0.024	0.02
6/28/2018 9:27	0.023	0.026
6/28/2018 9:28	0.026	0.025
6/28/2018 9:29	0.031	0.021
6/28/2018 9:30	0.029	0.022
6/28/2018 9:31	0.035	0.022
6/28/2018 9:32	0.032	0.02
6/28/2018 9:33	0.047	0.021
6/28/2018 9:34	0.033	0.02
6/28/2018 9:35	0.029	0.021
6/28/2018 9:36	0.032	0.024
6/28/2018 9:37	0.039	0.025
6/28/2018 9:38	0.035	0.022
6/28/2018 9:39	0.041	0.023
6/28/2018 9:40	0.038	0.024
6/28/2018 9:41	0.039	0.023
6/28/2018 9:42	0.043	0.021
6/28/2018 9:43	0.047	0.021
6/28/2018 9:44	0.037	0.027
6/28/2018 9:45	0.04	0.027
6/28/2018 9:46	0.042	0.022
6/28/2018 9:47	0.052	0.025
6/28/2018 9:48	0.061	0.024
6/28/2018 9:49	0.045	0.021
6/28/2018 9:50	0.043	0.021
6/28/2018 9:51	0.051	0.021
6/28/2018 9:52	0.052	0.02
6/28/2018 9:53	0.051	0.02
6/28/2018 9:54	0.063	0.02
6/28/2018 9:55	0.065	0.02
6/28/2018 9:56	0.074	0.021
6/28/2018 9:57	0.066	0.021
6/28/2018 9:58	0.053	0.026
6/28/2018 9:59	0.068	0.02
6/28/2018 10:00	0.067	0.019
6/28/2018 10:01	0.065	0.019
6/28/2018 10:02	0.055	0.02
6/28/2018 10:03	0.06	0.02

UPWIND

	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018 10:04	0.068	0.019
6/28/2018 10:05	0.061	0.018
6/28/2018 10:06	0.068	0.019
6/28/2018 10:07	0.072	0.019
6/28/2018 10:08	0.07	0.018
6/28/2018 10:09	0.068	0.018
6/28/2018 10:10	0.061	0.017
6/28/2018 10:11	0.07	0.017
6/28/2018 10:12	0.07	0.017
6/28/2018 10:13	0.074	0.017
6/28/2018 10:14	0.072	0.017
6/28/2018 10:15	0.069	0.017
6/28/2018 10:16	0.076	0.018
6/28/2018 10:17	0.073	0.017
6/28/2018 10:18	0.079	0.019
6/28/2018 10:19	0.075	0.019
6/28/2018 10:20	0.077	0.018
6/28/2018 10:21	0.081	0.017
6/28/2018 10:22	0.07	0.017
6/28/2018 10:23	0.069	0.017
6/28/2018 10:24	0.08	0.017
6/28/2018 10:25	0.076	0.016
6/28/2018 10:26	0.073	0.016
6/28/2018 10:27	0.069	0.015
6/28/2018 10:28	0.065	0.015
6/28/2018 10:29	0.071	0.014
6/28/2018 10:30	0.071	0.014
6/28/2018 10:31	0.072	0.014
6/28/2018 10:32	0.069	0.014
6/28/2018 10:33	0.075	0.013
6/28/2018 10:34	0.075	0.013
6/28/2018 10:35	0.07	0.012
6/28/2018 10:36	0.068	0.012
6/28/2018 10:37	0.067	0.012
6/28/2018 10:38	0.066	0.012
6/28/2018 10:39	0.064	0.012
6/28/2018 10:40	0.069	0.013
6/28/2018 10:41	0.065	0.013
6/28/2018 10:42	0.066	0.012
6/28/2018 10:43	0.066	0.012
6/28/2018 10:44	0.059	0.011
6/28/2018 10:45	0.067	0.012
6/28/2018 10:46	0.072	0.012
6/28/2018 10:47	0.06	0.011
6/28/2018 10:48	0.062	0.011
6/28/2018 10:49	0.061	0.012
6/28/2018 10:50	0.063	0.012
6/28/2018 10:51	0.06	0.011
6/28/2018 10:52	0.066	0.011
6/28/2018 10:53	0.066	0.013
6/28/2018 10:54	0.064	0.012
6/28/2018 10:55	0.065	0.012
6/28/2018 10:56	0.06	0.013
6/28/2018 10:57	0.062	0.012

UPWIND

	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018 10:58	0.072	0.012
6/28/2018 10:59	0.073	0.012
6/28/2018 11:00	0.06	0.014
6/28/2018 11:01	0.064	0.011
6/28/2018 11:02	0.059	0.011
6/28/2018 11:03	0.066	0.011
6/28/2018 11:04	0.055	0.01
6/28/2018 11:05	0.052	0.01
6/28/2018 11:06	0.055	0.01
6/28/2018 11:07	0.054	0.01
6/28/2018 11:08	0.04	0.011
6/28/2018 11:09	0.043	0.011
6/28/2018 11:10	0.042	0.011
6/28/2018 11:11	0.031	0.011
6/28/2018 11:12	0.047	0.011
6/28/2018 11:13	0.034	0.012
6/28/2018 11:14	0.046	0.011
6/28/2018 11:15	0.022	0.012
6/28/2018 11:16	0.036	0.013
6/28/2018 11:17	0.029	0.012
6/28/2018 11:18	0.043	0.013
6/28/2018 11:19	0.02	0.012
6/28/2018 11:20	0.024	0.012
6/28/2018 11:21	0.048	0.011
6/28/2018 11:22	0.01	0.011
6/28/2018 11:23	0.062	0.011
6/28/2018 11:24	0.026	0.011
6/28/2018 11:25	0.013	0.011
6/28/2018 11:26	0.014	0.013
6/28/2018 11:27	0.013	0.013
6/28/2018 11:28	0.01	0.011
6/28/2018 11:29	0.008	0.011
6/28/2018 11:30	0.01	0.012
6/28/2018 11:31	0.013	0.011
6/28/2018 11:32	0.014	0.011
6/28/2018 11:33	0.017	0.012
6/28/2018 11:34	0.007	0.011
6/28/2018 11:35	0.005	0.01
6/28/2018 11:36	0.011	0.105
6/28/2018 11:37	0.008	0.01
6/28/2018 11:38	0.011	0.011
6/28/2018 11:39	0.012	0.011
6/28/2018 11:40	0.012	0.01
6/28/2018 11:41	0.011	0.058
6/28/2018 11:42	0.013	0.011
6/28/2018 11:43	0.012	0.01
6/28/2018 11:44	0.016	0.01
6/28/2018 11:45	0.013	0.009
6/28/2018 11:46	0.01	0.011
6/28/2018 11:47	0.01	0.01
6/28/2018 11:48	0.006	0.01
6/28/2018 11:49	0.006	0.017
6/28/2018 11:50	0.009	0.011
6/28/2018 11:51	0.009	0.048

UPWIND

	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018 11:52	0.004	0.017
6/28/2018 11:53	0.005	0.01
6/28/2018 11:54	0.005	0.023
6/28/2018 11:55	0.004	0.018
6/28/2018 11:56	0.005	0.01
6/28/2018 11:57	0.005	0.06
6/28/2018 11:58	0.005	0.03
6/28/2018 11:59	0.006	0.024
6/28/2018 12:00	0.002	0.014
6/28/2018 12:01	0.001	0.015
6/28/2018 12:02	0.003	0.021
6/28/2018 12:03	0.001	0.039
6/28/2018 12:04	0	0.021
6/28/2018 12:05	0	0.028
6/28/2018 12:06	0	0.017
6/28/2018 12:07	0	0.013
6/28/2018 12:08	0.001	0.016
6/28/2018 12:09	0	0.012
6/28/2018 12:10	0.003	0.04
6/28/2018 12:11	0	0.044
6/28/2018 12:12	0.002	0.034
6/28/2018 12:13	0.001	0.014
6/28/2018 12:14	0	0.059
6/28/2018 12:15	0	0.034
6/28/2018 12:16	0	0.081
6/28/2018 12:17	0	0.049
6/28/2018 12:18	0	0.06
6/28/2018 12:19	0	0.018
6/28/2018 12:20	0	0.011
6/28/2018 12:21	0	0.01
6/28/2018 12:22	0	0.048
6/28/2018 12:23	0	0.055
6/28/2018 12:24	0	0.021
6/28/2018 12:25	0	0.038
6/28/2018 12:26	0	0.054
6/28/2018 12:27	0	0.034
6/28/2018 12:28	0	0.014
6/28/2018 12:29	0	0.034
6/28/2018 12:30	0	0.036
6/28/2018 12:31	0	0.018
6/28/2018 12:32	0	0.05
6/28/2018 12:33	0	0.024
6/28/2018 12:34	0	0.037
6/28/2018 12:35	0	0.017
6/28/2018 12:36	0	0.036
6/28/2018 12:37	0	0.043
6/28/2018 12:38	0	0.025
6/28/2018 12:39	0	0.086
6/28/2018 12:40	0	0.03
6/28/2018 12:41	0	0.022
6/28/2018 12:42	0	0.043
6/28/2018 12:43	0	0.05
6/28/2018 12:44	0	0.024
6/28/2018 12:45	0	0.026

UPWIND

	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018 12:46	0	0.046
6/28/2018 12:47	0	0.027
6/28/2018 12:48	0	0.019
6/28/2018 12:49	0	0.017
6/28/2018 12:50	0	0.05
6/28/2018 12:51	0	0.05
6/28/2018 12:52	0	0.02
6/28/2018 12:53	0	0.06
6/28/2018 12:54	0	0.052
6/28/2018 12:55	0	0.031
6/28/2018 12:56	0	0.025
6/28/2018 12:57	0	0.023
6/28/2018 12:58	0	0.049
6/28/2018 12:59	0	0.048
6/28/2018 13:00	0	0.044
6/28/2018 13:01	0	0.024
6/28/2018 13:02	0	0.062
6/28/2018 13:03	0	0.038
6/28/2018 13:04	0	0.047
6/28/2018 13:05	0	0.052
6/28/2018 13:06	0	0.074
6/28/2018 13:07	0	0.033
6/28/2018 13:08	0	0.025
6/28/2018 13:09	0	0.026
6/28/2018 13:10	0	0.025
6/28/2018 13:11	0	0.023
6/28/2018 13:12	0	0.028
6/28/2018 13:13	0	0.025
6/28/2018 13:14	0	0.025
6/28/2018 13:15	0	0.025
6/28/2018 13:16	0	0.024
6/28/2018 13:17	0	0.028
6/28/2018 13:18	0	0.029
6/28/2018 13:19	0	0.027
6/28/2018 13:20	0	0.026
6/28/2018 13:21	0	0.027
6/28/2018 13:22	0	0.044
6/28/2018 13:23	0	0.027
6/28/2018 13:24	0	0.056
6/28/2018 13:25	0	0.065
6/28/2018 13:26	0	0.05
6/28/2018 13:27	0	0.028
6/28/2018 13:28	0	0.028
6/28/2018 13:29	0	0.062
6/28/2018 13:30	0	0.085
6/28/2018 13:31	0	0.061
6/28/2018 13:32	0	0.035
6/28/2018 13:33	0	0.028
6/28/2018 13:34	0	0.033
6/28/2018 13:35	0	0.029
6/28/2018 13:36	0	0.025
6/28/2018 13:37	0	0.024
6/28/2018 13:38	0	0.024
6/28/2018 13:39	0	0.03

UPWIND

	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018 13:40	0	0.028
6/28/2018 13:41	0	0.027
6/28/2018 13:42	0	0.031
6/28/2018 13:43	0	0.056
6/28/2018 13:44	0	0.03
6/28/2018 13:45	0	0.029
6/28/2018 13:46	0	0.029
6/28/2018 13:47	0	0.026
6/28/2018 13:48	0	0.023
6/28/2018 13:49	0	0.023
6/28/2018 13:50	0	0.023
6/28/2018 13:51	0	0.025
6/28/2018 13:52	0	0.03
6/28/2018 13:53	0	0.024
6/28/2018 13:54	0	0.029
6/28/2018 13:55	0	0.023
6/28/2018 13:56	0	0.024
6/28/2018 13:57	0	0.023
6/28/2018 13:58	0	0.024
6/28/2018 13:59	0	0.024
6/28/2018 14:00	0	0.03
6/28/2018 14:01	0	0.029
6/28/2018 14:02	0	0.025
6/28/2018 14:03	0	0.023
6/28/2018 14:04	0	0.022
6/28/2018 14:05	0	0.023
6/28/2018 14:06	0	0.023
6/28/2018 14:07	0	0.023
6/28/2018 14:08	0	0.021
6/28/2018 14:09	0	0.021
6/28/2018 14:10	0	0.021
6/28/2018 14:11	0	0.021
6/28/2018 14:12	0	0.02
6/28/2018 14:13	0	0.021
6/28/2018 14:14	0	0.038
6/28/2018 14:15	0	0.021
6/28/2018 14:16	0	0.022
6/28/2018 14:17	0	0.023
6/28/2018 14:18	0	0.021
6/28/2018 14:19	0	0.033
6/28/2018 14:20	0	0.045
6/28/2018 14:21	0	0.025
6/28/2018 14:22	0	0.02
6/28/2018 14:23	0	0.021
6/28/2018 14:24	0	0.02
6/28/2018 14:25	0	0.02
6/28/2018 14:26	0	0.019
6/28/2018 14:27	0	0.021
6/28/2018 14:28	0	0.021
6/28/2018 14:29	0	0.021

NORTHEAST - DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 6:10	0.507	-
5/30/2018 6:11	0.4685	-
5/30/2018 6:12	0.4707	0.022
5/30/2018 6:13	0.4558	0.0225
5/30/2018 6:14	0.4552	0.0227
5/30/2018 6:15	0.4527	0.023
5/30/2018 6:16	0.4391	0.023
5/30/2018 6:17	0.4286	0.023
5/30/2018 6:18	0.4214	0.023
5/30/2018 6:19	0.4137	0.0229
5/30/2018 6:20	0.4079	0.0228
5/30/2018 6:21	0.4026	0.0227
5/30/2018 6:22	0.3964	0.0226
5/30/2018 6:23	0.3904	0.0226
5/30/2018 6:24	0.3864	0.0225
5/30/2018 6:25	0.3757	0.0225
5/30/2018 6:26	0.3731	0.0225
5/30/2018 6:27	0.3666	0.0225
5/30/2018 6:28	0.3641	0.0224
5/30/2018 6:29	0.3569	0.0223
5/30/2018 6:30	0.3535	0.0222
5/30/2018 6:31	0.3579	0.0221
5/30/2018 6:32	0.3605	0.0221
5/30/2018 6:33	0.3673	0.022
5/30/2018 6:34	0.3697	0.022
5/30/2018 6:35	0.3727	0.022
5/30/2018 6:36	0.3809	0.022
5/30/2018 6:37	0.3906	0.022
5/30/2018 6:38	0.4029	0.0221
5/30/2018 6:39	0.4097	0.0221
5/30/2018 6:40	0.4177	0.0221
5/30/2018 6:41	0.4209	0.0221
5/30/2018 6:42	0.4275	0.0221
5/30/2018 6:43	0.4382	0.0221
5/30/2018 6:44	0.4475	0.0222
5/30/2018 6:45	0.4595	0.0223
5/30/2018 6:46	0.4665	0.0223
5/30/2018 6:47	0.4741	0.0224
5/30/2018 6:48	0.4807	0.0224
5/30/2018 6:49	0.4937	0.0225
5/30/2018 6:50	0.5007	0.0226
5/30/2018 6:51	0.5075	0.0227
5/30/2018 6:52	0.5164	0.0228
5/30/2018 6:53	0.5207	0.0229
5/30/2018 6:54	0.5313	0.0229
5/30/2018 6:55	0.5413	0.023
5/30/2018 6:56	0.554	0.0231

NORTHEAST - DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 6:57	0.5676	0.0231
5/30/2018 6:58	0.5735	0.0231
5/30/2018 6:59	0.5868	0.0231
5/30/2018 7:00	0.5914	0.0232
5/30/2018 7:01	0.6013	0.0233
5/30/2018 7:02	0.6136	0.0233
5/30/2018 7:03	0.6231	0.0233
5/30/2018 7:04	0.6312	0.0233
5/30/2018 7:05	0.6431	0.0232
5/30/2018 7:06	0.6547	0.0231
5/30/2018 7:07	0.6638	0.0231
5/30/2018 7:08	0.6673	0.023
5/30/2018 7:09	0.6743	0.023
5/30/2018 7:10	0.6791	0.0229
5/30/2018 7:11	0.6839	0.0229
5/30/2018 7:12	0.6939	0.0229
5/30/2018 7:13	0.7011	0.0229
5/30/2018 7:14	0.7078	0.0228
5/30/2018 7:15	0.7115	0.0227
5/30/2018 7:16	0.7144	0.0226
5/30/2018 7:17	0.7176	0.0225
5/30/2018 7:18	0.7236	0.0225
5/30/2018 7:19	0.7278	0.0225
5/30/2018 7:20	0.7351	0.0225
5/30/2018 7:21	0.7305	0.0226
5/30/2018 7:22	0.732	0.0227
5/30/2018 7:23	0.7354	0.0227
5/30/2018 7:24	0.7426	0.0227
5/30/2018 7:25	0.75	0.0228
5/30/2018 7:26	0.7503	0.0229
5/30/2018 7:27	0.7465	0.023
5/30/2018 7:28	0.7472	0.0231
5/30/2018 7:29	0.7425	0.0232
5/30/2018 7:30	0.7465	0.0233
5/30/2018 7:31	0.7489	0.0235
5/30/2018 7:32	0.7521	0.0238
5/30/2018 7:33	0.7546	0.0239
5/30/2018 7:34	0.7562	0.024
5/30/2018 7:35	0.7536	0.0241
5/30/2018 7:36	0.7624	0.0241
5/30/2018 7:37	0.7586	0.0241
5/30/2018 7:38	0.7709	0.0241
5/30/2018 7:39	0.7651	0.0243
5/30/2018 7:40	0.7685	0.0243
5/30/2018 7:41	0.7732	0.0244
5/30/2018 7:42	0.7787	0.0245
5/30/2018 7:43	0.7822	0.0245

NORTHEAST - DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 7:44	0.7887	0.0245
5/30/2018 7:45	0.7903	0.0247
5/30/2018 7:46	0.7916	0.0247
5/30/2018 7:47	0.7865	0.0245
5/30/2018 7:48	0.7815	0.0246
5/30/2018 7:49	0.7801	0.0247
5/30/2018 7:50	0.7823	0.0249
5/30/2018 7:51	0.7816	0.025
5/30/2018 7:52	0.7871	0.0252
5/30/2018 7:53	0.7787	0.0254
5/30/2018 7:54	0.7859	0.0257
5/30/2018 7:55	0.7792	0.0261
5/30/2018 7:56	0.7751	0.0263
5/30/2018 7:57	0.7683	0.0263
5/30/2018 7:58	0.7658	0.0264
5/30/2018 7:59	0.764	0.0265
5/30/2018 8:00	0.763	0.0265
5/30/2018 8:01	0.7655	0.0265
5/30/2018 8:02	0.7643	0.0265
5/30/2018 8:03	0.7615	0.0265
5/30/2018 8:04	0.7629	0.0266
5/30/2018 8:05	0.7588	0.0265
5/30/2018 8:06	0.7547	0.0265
5/30/2018 8:07	0.7556	0.0263
5/30/2018 8:08	0.7566	0.0261
5/30/2018 8:09	0.746	0.0257
5/30/2018 8:10	0.7453	0.0253
5/30/2018 8:11	0.7473	0.0251
5/30/2018 8:12	0.7469	0.0253
5/30/2018 8:13	0.7403	0.0252
5/30/2018 8:14	0.7399	0.0252
5/30/2018 8:15	0.7356	0.025
5/30/2018 8:16	0.7244	0.0249
5/30/2018 8:17	0.7237	0.0249
5/30/2018 8:18	0.721	0.0248
5/30/2018 8:19	0.7137	0.0246
5/30/2018 8:20	0.7117	0.0245
5/30/2018 8:21	0.7125	0.0245
5/30/2018 8:22	0.702	0.0245
5/30/2018 8:23	0.6943	0.0245
5/30/2018 8:24	0.6962	0.0245
5/30/2018 8:25	0.6901	0.0246
5/30/2018 8:26	0.6846	0.0246
5/30/2018 8:27	0.6864	0.0245
5/30/2018 8:28	0.683	0.0245
5/30/2018 8:29	0.6741	0.0245
5/30/2018 8:30	0.6684	0.0245

NORTHEAST - DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 8:31	0.6649	0.0246
5/30/2018 8:32	0.6587	0.0247
5/30/2018 8:33	0.6533	0.0247
5/30/2018 8:34	0.649	0.0248
5/30/2018 8:35	0.6423	0.0249
5/30/2018 8:36	0.6305	0.0249
5/30/2018 8:37	0.6265	0.0248
5/30/2018 8:38	0.6224	0.0248
5/30/2018 8:39	0.6147	0.0247
5/30/2018 8:40	0.6051	0.0247
5/30/2018 8:41	0.5971	0.0247
5/30/2018 8:42	0.5791	0.0245
5/30/2018 8:43	0.5723	0.0244
5/30/2018 8:44	0.5625	0.0243
5/30/2018 8:45	0.5561	0.0241
5/30/2018 8:46	0.5482	0.024
5/30/2018 8:47	0.5409	0.024
5/30/2018 8:48	0.5325	0.0239
5/30/2018 8:49	0.5224	0.0237
5/30/2018 8:50	0.5144	0.0235
5/30/2018 8:51	0.5046	0.0234
5/30/2018 8:52	0.5013	0.0233
5/30/2018 8:53	0.4923	0.0231
5/30/2018 8:54	0.4829	0.0231
5/30/2018 8:55	0.4786	0.0231
5/30/2018 8:56	0.4706	0.0229
5/30/2018 8:57	0.4629	0.0229
5/30/2018 8:58	0.4566	0.0229
5/30/2018 8:59	0.4511	0.0228
5/30/2018 9:00	0.4414	0.0228
5/30/2018 9:01	0.4329	0.0228
5/30/2018 9:02	0.4259	0.0227
5/30/2018 9:03	0.4181	0.0227
5/30/2018 9:04	0.4104	0.0229
5/30/2018 9:05	0.4023	0.0232
5/30/2018 9:06	0.3963	0.0233
5/30/2018 9:07	0.386	0.0235
5/30/2018 9:08	0.3791	0.0236
5/30/2018 9:09	0.3703	0.0237
5/30/2018 9:10	0.3616	0.0237
5/30/2018 9:11	0.3543	0.0238
5/30/2018 9:12	0.3478	0.0239
5/30/2018 9:13	0.3407	0.0239
5/30/2018 9:14	0.3315	0.0241
5/30/2018 9:15	0.3261	0.0242
5/30/2018 9:16	0.3199	0.0243
5/30/2018 9:17	0.3119	0.0244

NORTHEAST - DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 9:18	0.3053	0.0245
5/30/2018 9:19	0.2999	0.0245
5/30/2018 9:20	0.2918	0.0246
5/30/2018 9:21	0.2845	0.0247
5/30/2018 9:22	0.2742	0.0249
5/30/2018 9:23	0.2659	0.025
5/30/2018 9:24	0.2593	0.0252
5/30/2018 9:25	0.2509	0.0254
5/30/2018 9:26	0.2432	0.0256
5/30/2018 9:27	0.2351	0.0258
5/30/2018 9:28	0.2279	0.0261
5/30/2018 9:29	0.2181	0.0263
5/30/2018 9:30	0.2118	0.0265
5/30/2018 9:31	0.2046	0.0266
5/30/2018 9:32	0.1971	0.0267
5/30/2018 9:33	0.1887	0.0269
5/30/2018 9:34	0.1816	0.0269
5/30/2018 9:35	0.1758	0.0271
5/30/2018 9:36	0.1694	0.0273
5/30/2018 9:37	0.1618	0.0273
5/30/2018 9:38	0.1553	0.0274
5/30/2018 9:39	0.1507	0.0275
5/30/2018 9:40	0.1486	0.0274
5/30/2018 9:41	0.1442	0.0274
5/30/2018 9:42	0.1389	0.0274
5/30/2018 9:43	0.1357	0.0273
5/30/2018 9:44	0.1366	0.0273
5/30/2018 9:45	0.1267	0.0273
5/30/2018 9:46	0.1235	0.0274
5/30/2018 9:47	0.1223	0.0276
5/30/2018 9:48	0.1211	0.0277
5/30/2018 9:49	0.1131	0.0276
5/30/2018 9:50	0.1076	0.0274
5/30/2018 9:51	0.1032	0.0272
5/30/2018 9:52	0.0969	0.0273
5/30/2018 9:53	0.0915	0.0275
5/30/2018 9:54	0.084	0.0273
5/30/2018 9:55	0.0741	0.0275
5/30/2018 9:56	0.074	0.0275
5/30/2018 9:57	0.0747	0.0274
5/30/2018 9:58	0.0653	0.0274
5/30/2018 9:59	0.0577	0.0273
5/30/2018 10:00	0.0545	0.0272
5/30/2018 10:01	0.0487	0.0271
5/30/2018 10:02	0.0499	0.0269
5/30/2018 10:03	0.0427	0.0268
5/30/2018 10:04	0.0404	0.0268

NORTHEAST - DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 10:05	0.0365	0.0269
5/30/2018 10:06	0.0323	0.027
5/30/2018 10:07	0.0315	0.0269
5/30/2018 10:08	0.0299	0.0267
5/30/2018 10:09	0.0284	0.0269
5/30/2018 10:10	0.0281	0.0268
5/30/2018 10:11	0.0196	0.0268
5/30/2018 10:12	0.0125	0.0269
5/30/2018 10:13	0.0125	0.0268
5/30/2018 10:14	0.0103	0.0269
5/30/2018 10:15	0.0103	0.027
5/30/2018 10:16	0.0096	0.0271
5/30/2018 10:17	0.0021	0.0271
5/30/2018 10:18	0.0021	0.0272
5/30/2018 10:19	0.0021	0.0273
5/30/2018 10:20	0.0021	0.0273
5/30/2018 10:21	0.0021	0.0271
5/30/2018 10:22	0.0073	0.0272
5/30/2018 10:23	0.0073	0.0273
5/30/2018 10:24	0.0123	0.0272
5/30/2018 10:25	0.0123	0.0273
5/30/2018 10:26	0.0123	0.0275
5/30/2018 10:27	0.0187	0.0275
5/30/2018 10:28	0.0187	0.0277
5/30/2018 10:29	0.0187	0.0279
5/30/2018 10:30	0.0243	0.0279
5/30/2018 10:31	0.0271	0.028
5/30/2018 10:32	0.0299	0.0281
5/30/2018 10:33	0.0343	0.0281
5/30/2018 10:34	0.0343	0.0283
5/30/2018 10:35	0.0343	0.0283
5/30/2018 10:36	0.0343	0.0285
5/30/2018 10:37	0.0291	0.0284
5/30/2018 10:38	0.0373	0.0283
5/30/2018 10:39	0.0328	0.0284
5/30/2018 10:40	0.0343	0.0284
5/30/2018 10:41	0.0343	0.0289
5/30/2018 10:42	0.028	0.0289
5/30/2018 10:43	0.028	0.0289
5/30/2018 10:44	0.028	0.0287
5/30/2018 10:45	0.0224	0.0288
5/30/2018 10:46	0.0247	0.0288
5/30/2018 10:47	0.0198	0.0287
5/30/2018 10:48	0.0154	0.0287
5/30/2018 10:49	0.0154	0.0285
5/30/2018 10:50	0.0203	0.0285
5/30/2018 10:51	0.0203	0.0285

NORTHEAST - DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 10:52	0.0203	0.0285
5/30/2018 10:53	0.0119	0.0285
5/30/2018 10:54	0.0115	0.0285
5/30/2018 10:55	0.0099	0.0284
5/30/2018 10:56	0.0099	0.0277
5/30/2018 10:57	0.0099	0.0274
5/30/2018 10:58	0.0099	0.0271
5/30/2018 10:59	0.0099	0.0272
5/30/2018 11:00	0.0099	0.0272
5/30/2018 11:01	0.0049	0.027
5/30/2018 11:02	0.0049	0.027
5/30/2018 11:03	0.0049	0.0268
5/30/2018 11:04	0.0049	0.0267
5/30/2018 11:05	0	0.0265
5/30/2018 11:06	0	0.0261
5/30/2018 11:07	0	0.0262
5/30/2018 11:08	0	0.0261
5/30/2018 11:09	0	0.0259
5/30/2018 11:10	0.0016	0.0257
5/30/2018 11:11	0.0016	0.0255
5/30/2018 11:12	0.0016	0.0254
5/30/2018 11:13	0.0016	0.0252
5/30/2018 11:14	0.0016	0.0249
5/30/2018 11:15	0.0016	0.0245
5/30/2018 11:16	0.0016	0.0244
5/30/2018 11:17	0.0016	0.024
5/30/2018 11:18	0.0033	0.024
5/30/2018 11:19	0.0033	0.0238
5/30/2018 11:20	0.0033	0.0236
5/30/2018 11:21	0.0033	0.0234
5/30/2018 11:22	0.0033	0.0229
5/30/2018 11:23	0.0033	0.0228
5/30/2018 11:24	0.0033	0.0227
5/30/2018 11:25	0.0017	0.0225
5/30/2018 11:26	0.0017	0.0223
5/30/2018 11:27	0.0017	0.0224
5/30/2018 11:28	0.0017	0.0223
5/30/2018 11:29	0.0017	0.0221
5/30/2018 11:30	0.0017	0.0219
5/30/2018 11:31	0.0017	0.0217
5/30/2018 11:32	0.0017	0.0216
5/30/2018 11:33	0	0.0214
5/30/2018 11:34	0	0.0213
5/30/2018 11:35	0	0.0211
5/30/2018 11:36	0	0.0211
5/30/2018 11:37	0	0.021
5/30/2018 11:38	0	0.0207

NORTHEAST - DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 11:39	0	0.0206
5/30/2018 11:40	0	0.0207
5/30/2018 11:41	0	0.0205
5/30/2018 11:42	0	0.0207
5/30/2018 11:43	0	0.0207
5/30/2018 11:44	0	0.0208
5/30/2018 11:45	0	0.0208
5/30/2018 11:46	0	0.0207
5/30/2018 11:47	0	0.0206
5/30/2018 11:48	0	0.0205
5/30/2018 11:49	0	0.0205
5/30/2018 11:50	0	0.0205
5/30/2018 11:51	0	0.0206
5/30/2018 11:52	0	0.0208
5/30/2018 11:53	0	0.0208
5/30/2018 11:54	0	0.0208
5/30/2018 11:55	0	0.0207
5/30/2018 11:56	0	0.0209
5/30/2018 11:57	0	0.0203
5/30/2018 11:58	0	0.0204
5/30/2018 11:59	0	0.0203
5/30/2018 12:00	0	0.0215
5/30/2018 12:01	0	0.0215
5/30/2018 12:02	0	0.0214
5/30/2018 12:03	0	0.0213
5/30/2018 12:04	0	0.0211
5/30/2018 12:05	0	0.0209
5/30/2018 12:06	0	0.0207
5/30/2018 12:07	0	0.0204
5/30/2018 12:08	0	0.0203
5/30/2018 12:09	0	0.0202
5/30/2018 12:10	0	0.0202
5/30/2018 12:11	0	0.02
5/30/2018 12:12	0	0.02
5/30/2018 12:13	0	0.0199
5/30/2018 12:14	0	0.0199
5/30/2018 12:15	0	0.0185
5/30/2018 12:16	0	0.0185
5/30/2018 12:17	0	0.0185
5/30/2018 12:18	0	0.0189
5/30/2018 12:19	0	0.0191
5/30/2018 12:20	0	0.0193
5/30/2018 12:21	0	0.0193
5/30/2018 12:22	0	0.0193
5/30/2018 12:23	0	0.0193
5/30/2018 12:24	0	0.0193
5/30/2018 12:25	0	0.0193

NORTHEAST - DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/30/2018 12:26	0	0.0192
5/30/2018 12:27	0	0.0191
5/30/2018 12:28	0	0.019
5/30/2018 12:29	0	0.0189
5/30/2018 12:30	0	0.0189
5/30/2018 12:31	0	0.0189
5/30/2018 12:32	0	0.019
5/30/2018 12:33	0	0.0188
5/30/2018 12:34	0	0.0188
5/30/2018 12:35	0	0.0193
5/30/2018 12:36	0	0.0192
5/30/2018 12:37	0	0.0193
5/30/2018 12:38	0	0.0193
5/30/2018 12:39	0	0.0192
5/30/2018 12:40	0	0.0193
5/30/2018 12:41	0	0.0194
5/30/2018 12:42	0	0.0193

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 7:20	0.715	
5/31/2018 7:21	0.531	
5/31/2018 7:22	0.4917	0.004
5/31/2018 7:23	0.487	0.004
5/31/2018 7:24	0.4716	0.004
5/31/2018 7:25	0.462	0.0043
5/31/2018 7:26	0.4626	0.0042
5/31/2018 7:27	0.4673	0.0042
5/31/2018 7:28	0.475	0.0041
5/31/2018 7:29	0.4713	0.0041
5/31/2018 7:30	0.4682	0.0044
5/31/2018 7:31	0.4651	0.0044
5/31/2018 7:32	0.4617	0.0043
5/31/2018 7:33	0.4609	0.0042
5/31/2018 7:34	0.4577	0.0041
5/31/2018 7:35	0.4424	0.004
5/31/2018 7:36	0.4467	0.004
5/31/2018 7:37	0.4525	0.0041
5/31/2018 7:38	0.4472	0.004
5/31/2018 7:39	0.4524	0.0039
5/31/2018 7:40	0.455	0.0038
5/31/2018 7:41	0.4513	0.0037
5/31/2018 7:42	0.4434	0.0038
5/31/2018 7:43	0.4385	0.0037
5/31/2018 7:44	0.4404	0.0037
5/31/2018 7:45	0.4393	0.0034
5/31/2018 7:46	0.4373	0.0033
5/31/2018 7:47	0.4381	0.0033
5/31/2018 7:48	0.4279	0.0032
5/31/2018 7:49	0.4232	0.0032
5/31/2018 7:50	0.4166	0.0031
5/31/2018 7:51	0.4129	0.003
5/31/2018 7:52	0.3959	0.0029
5/31/2018 7:53	0.389	0.0029
5/31/2018 7:54	0.3751	0.0029
5/31/2018 7:55	0.3673	0.0031
5/31/2018 7:56	0.3596	0.0031
5/31/2018 7:57	0.3483	0.0029
5/31/2018 7:58	0.3376	0.0028
5/31/2018 7:59	0.3226	0.0027
5/31/2018 8:00	0.3079	0.0027
5/31/2018 8:01	0.2988	0.0026
5/31/2018 8:02	0.2849	0.0027
5/31/2018 8:03	0.2763	0.0027
5/31/2018 8:04	0.268	0.0026

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 8:05	0.2563	0.0026
5/31/2018 8:06	0.2481	0.0027
5/31/2018 8:07	0.2425	0.0027
5/31/2018 8:08	0.2431	0.0025
5/31/2018 8:09	0.2413	0.0024
5/31/2018 8:10	0.2315	0.0022
5/31/2018 8:11	0.227	0.0022
5/31/2018 8:12	0.2338	0.0023
5/31/2018 8:13	0.2334	0.0023
5/31/2018 8:14	0.2329	0.0024
5/31/2018 8:15	0.2295	0.0024
5/31/2018 8:16	0.2194	0.0025
5/31/2018 8:17	0.2236	0.0025
5/31/2018 8:18	0.2218	0.0025
5/31/2018 8:19	0.2269	0.0025
5/31/2018 8:20	0.2298	0.0025
5/31/2018 8:21	0.2369	0.0025
5/31/2018 8:22	0.2359	0.0025
5/31/2018 8:23	0.2303	0.0026
5/31/2018 8:24	0.2307	0.0027
5/31/2018 8:25	0.2318	0.0027
5/31/2018 8:26	0.2346	0.0026
5/31/2018 8:27	0.2273	0.0025
5/31/2018 8:28	0.2326	0.0025
5/31/2018 8:29	0.2258	0.0025
5/31/2018 8:30	0.2305	0.0025
5/31/2018 8:31	0.2461	0.0026
5/31/2018 8:32	0.242	0.0028
5/31/2018 8:33	0.2511	0.0028
5/31/2018 8:34	0.2438	0.0028
5/31/2018 8:35	0.2411	0.0029
5/31/2018 8:36	0.2319	0.0028
5/31/2018 8:37	0.2401	0.003
5/31/2018 8:38	0.2462	0.0029
5/31/2018 8:39	0.2485	0.0035
5/31/2018 8:40	0.2435	0.0058
5/31/2018 8:41	0.2411	0.0069
5/31/2018 8:42	0.2435	0.0069
5/31/2018 8:43	0.2363	0.0069
5/31/2018 8:44	0.2456	0.007
5/31/2018 8:45	0.2458	0.0071
5/31/2018 8:46	0.2355	0.007
5/31/2018 8:47	0.2343	0.0067
5/31/2018 8:48	0.231	0.0068
5/31/2018 8:49	0.2371	0.0068

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 8:50	0.2338	0.0068
5/31/2018 8:51	0.2323	0.0068
5/31/2018 8:52	0.2271	0.0067
5/31/2018 8:53	0.2144	0.0067
5/31/2018 8:54	0.2018	0.0061
5/31/2018 8:55	0.2085	0.0038
5/31/2018 8:56	0.2052	0.0028
5/31/2018 8:57	0.2037	0.0028
5/31/2018 8:58	0.1929	0.0027
5/31/2018 8:59	0.1859	0.0027
5/31/2018 9:00	0.1862	0.0026
5/31/2018 9:01	0.1892	0.0025
5/31/2018 9:02	0.1846	0.0025
5/31/2018 9:03	0.1805	0.0024
5/31/2018 9:04	0.1769	0.0024
5/31/2018 9:05	0.1771	0.0023
5/31/2018 9:06	0.1724	0.0023
5/31/2018 9:07	0.1709	0.0022
5/31/2018 9:08	0.1802	0.0027
5/31/2018 9:09	0.183	0.0028
5/31/2018 9:10	0.1757	0.0028
5/31/2018 9:11	0.1811	0.0027
5/31/2018 9:12	0.1786	0.0026
5/31/2018 9:13	0.1796	0.0025
5/31/2018 9:14	0.1804	0.0024
5/31/2018 9:15	0.1839	0.0024
5/31/2018 9:16	0.1827	0.0024
5/31/2018 9:17	0.1817	0.0023
5/31/2018 9:18	0.1798	0.0023
5/31/2018 9:19	0.1771	0.0022
5/31/2018 9:20	0.1756	0.0021
5/31/2018 9:21	0.1769	0.0021
5/31/2018 9:22	0.1783	0.002
5/31/2018 9:23	0.1718	0.0015
5/31/2018 9:24	0.1791	0.0013
5/31/2018 9:25	0.1795	0.0013
5/31/2018 9:26	0.1849	0.0013
5/31/2018 9:27	0.1872	0.0012
5/31/2018 9:28	0.1883	0.0013
5/31/2018 9:29	0.1917	0.0015
5/31/2018 9:30	0.1798	0.0015
5/31/2018 9:31	0.1756	0.0014
5/31/2018 9:32	0.1773	0.0015
5/31/2018 9:33	0.1797	0.0016
5/31/2018 9:34	0.1827	0.0017

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 9:35	0.1837	0.002
5/31/2018 9:36	0.1838	0.0021
5/31/2018 9:37	0.1776	0.0022
5/31/2018 9:38	0.1776	0.0024
5/31/2018 9:39	0.1719	0.0026
5/31/2018 9:40	0.1711	0.0027
5/31/2018 9:41	0.1619	0.0027
5/31/2018 9:42	0.1557	0.0027
5/31/2018 9:43	0.1575	0.0027
5/31/2018 9:44	0.1545	0.0025
5/31/2018 9:45	0.1663	0.0025
5/31/2018 9:46	0.1667	0.0027
5/31/2018 9:47	0.1675	0.0027
5/31/2018 9:48	0.1675	0.0027
5/31/2018 9:49	0.1682	0.0026
5/31/2018 9:50	0.1698	0.0024
5/31/2018 9:51	0.1735	0.0023
5/31/2018 9:52	0.182	0.0022
5/31/2018 9:53	0.181	0.0019
5/31/2018 9:54	0.1788	0.0017
5/31/2018 9:55	0.1805	0.0017
5/31/2018 9:56	0.1857	0.0018
5/31/2018 9:57	0.1951	0.0019
5/31/2018 9:58	0.1897	0.0018
5/31/2018 9:59	0.1815	0.0019
5/31/2018 10:00	0.171	0.0018
5/31/2018 10:01	0.1691	0.0017
5/31/2018 10:02	0.168	0.0016
5/31/2018 10:03	0.1713	0.0015
5/31/2018 10:04	0.1697	0.0014
5/31/2018 10:05	0.1639	0.0013
5/31/2018 10:06	0.1615	0.0013
5/31/2018 10:07	0.1575	0.0015
5/31/2018 10:08	0.1719	0.0015
5/31/2018 10:09	0.1759	0.0017
5/31/2018 10:10	0.1767	0.0017
5/31/2018 10:11	0.1729	0.0018
5/31/2018 10:12	0.1729	0.0019
5/31/2018 10:13	0.1781	0.0019
5/31/2018 10:14	0.1847	0.0019
5/31/2018 10:15	0.1875	0.002
5/31/2018 10:16	0.1949	0.0021
5/31/2018 10:17	0.1951	0.0022
5/31/2018 10:18	0.1909	0.0022
5/31/2018 10:19	0.1879	0.0022

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 10:20	0.1941	0.0022
5/31/2018 10:21	0.1997	0.0023
5/31/2018 10:22	0.2051	0.0021
5/31/2018 10:23	0.1913	0.0021
5/31/2018 10:24	0.1887	0.0019
5/31/2018 10:25	0.1859	0.0018
5/31/2018 10:26	0.1802	0.0016
5/31/2018 10:27	0.1693	0.0015
5/31/2018 10:28	0.1697	0.0015
5/31/2018 10:29	0.1675	0.0015
5/31/2018 10:30	0.1743	0.0014
5/31/2018 10:31	0.1712	0.0013
5/31/2018 10:32	0.1789	0.0014
5/31/2018 10:33	0.1769	0.0014
5/31/2018 10:34	0.1777	0.0014
5/31/2018 10:35	0.1742	0.0014
5/31/2018 10:36	0.1733	0.0013
5/31/2018 10:37	0.1683	0.0013
5/31/2018 10:38	0.1699	0.0014
5/31/2018 10:39	0.1708	0.0015
5/31/2018 10:40	0.1756	0.0015
5/31/2018 10:41	0.1765	0.0015
5/31/2018 10:42	0.1885	0.0016
5/31/2018 10:43	0.1881	0.0015
5/31/2018 10:44	0.1867	0.0015
5/31/2018 10:45	0.1774	0.0015
5/31/2018 10:46	0.1725	0.0014
5/31/2018 10:47	0.1639	0.0013
5/31/2018 10:48	0.1659	0.0013
5/31/2018 10:49	0.1648	0.0013
5/31/2018 10:50	0.1668	0.0013
5/31/2018 10:51	0.1619	0.0014
5/31/2018 10:52	0.1727	0.0014
5/31/2018 10:53	0.1777	0.0013
5/31/2018 10:54	0.1724	0.0014
5/31/2018 10:55	0.1709	0.0014
5/31/2018 10:56	0.1712	0.0014
5/31/2018 10:57	0.1637	0.0013
5/31/2018 10:58	0.1609	0.0013
5/31/2018 10:59	0.1683	0.0014
5/31/2018 11:00	0.1679	0.0015
5/31/2018 11:01	0.1674	0.0015
5/31/2018 11:02	0.1677	0.0015
5/31/2018 11:03	0.1667	0.0017
5/31/2018 11:04	0.1656	0.0017

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 11:05	0.161	0.0017
5/31/2018 11:06	0.1581	0.0017
5/31/2018 11:07	0.1459	0.0018
5/31/2018 11:08	0.1412	0.0019
5/31/2018 11:09	0.1563	0.0019
5/31/2018 11:10	0.1541	0.002
5/31/2018 11:11	0.1517	0.0021
5/31/2018 11:12	0.1487	0.0024
5/31/2018 11:13	0.1489	0.0025
5/31/2018 11:14	0.1427	0.0025
5/31/2018 11:15	0.1429	0.0025
5/31/2018 11:16	0.1429	0.0025
5/31/2018 11:17	0.1402	0.0027
5/31/2018 11:18	0.1361	0.0026
5/31/2018 11:19	0.1372	0.0026
5/31/2018 11:20	0.1339	0.0026
5/31/2018 11:21	0.1326	0.0027
5/31/2018 11:22	0.1293	0.0026
5/31/2018 11:23	0.1219	0.0025
5/31/2018 11:24	0.1049	0.0025
5/31/2018 11:25	0.1087	0.0025
5/31/2018 11:26	0.1112	0.0023
5/31/2018 11:27	0.1075	0.0021
5/31/2018 11:28	0.1044	0.0021
5/31/2018 11:29	0.1016	0.0021
5/31/2018 11:30	0.0987	0.0021
5/31/2018 11:31	0.0999	0.0021
5/31/2018 11:32	0.0989	0.002
5/31/2018 11:33	0.0998	0.0021
5/31/2018 11:34	0.0924	0.0022
5/31/2018 11:35	0.0927	0.0022
5/31/2018 11:36	0.089	0.0023
5/31/2018 11:37	0.0901	0.0023
5/31/2018 11:38	0.0859	0.0023
5/31/2018 11:39	0.0828	0.0023
5/31/2018 11:40	0.0725	0.0024
5/31/2018 11:41	0.068	0.0025
5/31/2018 11:42	0.0646	0.0025
5/31/2018 11:43	0.0616	0.0026
5/31/2018 11:44	0.0585	0.0027
5/31/2018 11:45	0.0553	0.0027
5/31/2018 11:46	0.0484	0.0028
5/31/2018 11:47	0.0491	0.0029
5/31/2018 11:48	0.0508	0.0028
5/31/2018 11:49	0.0473	0.0028

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 11:50	0.0438	0.0029
5/31/2018 11:51	0.0491	0.0029
5/31/2018 11:52	0.0444	0.0029
5/31/2018 11:53	0.0441	0.003
5/31/2018 11:54	0.0427	0.003
5/31/2018 11:55	0.0423	0.003
5/31/2018 11:56	0.0377	0.0031
5/31/2018 11:57	0.0365	0.0031
5/31/2018 11:58	0.0359	0.0032
5/31/2018 11:59	0.0335	0.0033
5/31/2018 12:00	0.0318	0.0035
5/31/2018 12:01	0.0334	0.0036
5/31/2018 12:02	0.0306	0.0037
5/31/2018 12:03	0.0225	0.0039
5/31/2018 12:04	0.0267	0.0042
5/31/2018 12:05	0.0267	0.0044
5/31/2018 12:06	0.0201	0.0047
5/31/2018 12:07	0.0173	0.0051
5/31/2018 12:08	0.0173	0.0053
5/31/2018 12:09	0.0207	0.0057
5/31/2018 12:10	0.0197	0.0058
5/31/2018 12:11	0.0181	0.006
5/31/2018 12:12	0.0181	0.0061
5/31/2018 12:13	0.0229	0.0061
5/31/2018 12:14	0.0261	0.0061
5/31/2018 12:15	0.0267	0.0061
5/31/2018 12:16	0.0233	0.0061
5/31/2018 12:17	0.0196	0.0061
5/31/2018 12:18	0.0196	0.0061
5/31/2018 12:19	0.0154	0.0059
5/31/2018 12:20	0.0161	0.0059
5/31/2018 12:21	0.0151	0.0057
5/31/2018 12:22	0.0151	0.0055
5/31/2018 12:23	0.0151	0.0054
5/31/2018 12:24	0.0117	0.0052
5/31/2018 12:25	0.0113	0.0052
5/31/2018 12:26	0.0146	0.0051
5/31/2018 12:27	0.0146	0.0051
5/31/2018 12:28	0.0081	0.0052
5/31/2018 12:29	0.005	0.0053
5/31/2018 12:30	0.0042	0.0053
5/31/2018 12:31	0.0041	0.0054
5/31/2018 12:32	0.0041	0.0055
5/31/2018 12:33	0.0041	0.0055
5/31/2018 12:34	0.0041	0.0056

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 12:35	0.0034	0.0057
5/31/2018 12:36	0.0034	0.0059
5/31/2018 12:37	0.0034	0.0061
5/31/2018 12:38	0.0034	0.0062
5/31/2018 12:39	0.0041	0.0063
5/31/2018 12:40	0.0042	0.0065
5/31/2018 12:41	0.0009	0.0067
5/31/2018 12:42	0.0009	0.0067
5/31/2018 12:43	0.0009	0.0068
5/31/2018 12:44	0.0011	0.0069
5/31/2018 12:45	0.001	0.0071
5/31/2018 12:46	0.0018	0.0073
5/31/2018 12:47	0.0018	0.0074
5/31/2018 12:48	0.002	0.0075
5/31/2018 12:49	0.002	0.0077
5/31/2018 12:50	0.002	0.0077
5/31/2018 12:51	0.002	0.0077
5/31/2018 12:52	0.002	0.0077
5/31/2018 12:53	0.002	0.0077
5/31/2018 12:54	0.0013	0.0088
5/31/2018 12:55	0.0012	0.0087
5/31/2018 12:56	0.0012	0.0088
5/31/2018 12:57	0.0012	0.0089
5/31/2018 12:58	0.0012	0.0091
5/31/2018 12:59	0.001	0.0091
5/31/2018 13:00	0.001	0.009
5/31/2018 13:01	0.0002	0.0091
5/31/2018 13:02	0.0002	0.0091
5/31/2018 13:03	0	0.0093
5/31/2018 13:04	0	0.0094
5/31/2018 13:05	0	0.0095
5/31/2018 13:06	0.0006	0.0097
5/31/2018 13:07	0.0006	0.0099
5/31/2018 13:08	0.0006	0.0102
5/31/2018 13:09	0.0015	0.0093
5/31/2018 13:10	0.0015	0.0095
5/31/2018 13:11	0.0015	0.0097
5/31/2018 13:12	0.0015	0.0099
5/31/2018 13:13	0.0015	0.0099
5/31/2018 13:14	0.0015	0.0101
5/31/2018 13:15	0.0015	0.0103
5/31/2018 13:16	0.0015	0.0105
5/31/2018 13:17	0.0015	0.0106
5/31/2018 13:18	0.0015	0.0107
5/31/2018 13:19	0.0021	0.0107

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 13:20	0.0021	0.0109
5/31/2018 13:21	0.0015	0.0112
5/31/2018 13:22	0.0015	0.0112
5/31/2018 13:23	0.0032	0.0113
5/31/2018 13:24	0.0023	0.0114
5/31/2018 13:25	0.0023	0.0114
5/31/2018 13:26	0.0023	0.0117
5/31/2018 13:27	0.0023	0.0121
5/31/2018 13:28	0.0023	0.0122
5/31/2018 13:29	0.0023	0.0123
5/31/2018 13:30	0.0023	0.0126
5/31/2018 13:31	0.0023	0.0127
5/31/2018 13:32	0.0023	0.0128
5/31/2018 13:33	0.0023	0.0129
5/31/2018 13:34	0.0017	0.0131
5/31/2018 13:35	0.0017	0.0134
5/31/2018 13:36	0.0017	0.0133
5/31/2018 13:37	0.0017	0.0135
5/31/2018 13:38	0	0.0135
5/31/2018 13:39	0	0.0135
5/31/2018 13:40	0	0.0136
5/31/2018 13:41	0	0.0134
5/31/2018 13:42	0	0.0131
5/31/2018 13:43	0	0.0133
5/31/2018 13:44	0	0.0133
5/31/2018 13:45	0	0.0133
5/31/2018 13:46	0	0.0133
5/31/2018 13:47	0	0.0133
5/31/2018 13:48	0	0.0134
5/31/2018 13:49	0	0.0134
5/31/2018 13:50	0.001	0.0131
5/31/2018 13:51	0.001	0.0131
5/31/2018 13:52	0.001	0.0131
5/31/2018 13:53	0.001	0.0131
5/31/2018 13:54	0.001	0.0131
5/31/2018 13:55	0.001	0.0132
5/31/2018 13:56	0.001	0.0132
5/31/2018 13:57	0.001	0.0132
5/31/2018 13:58	0.001	0.0131
5/31/2018 13:59	0.001	0.0131
5/31/2018 14:00	0.001	0.0129
5/31/2018 14:01	0.001	0.0129
5/31/2018 14:02	0.001	0.0129
5/31/2018 14:03	0.001	0.0127
5/31/2018 14:04	0.001	0.0127

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 14:05	0	0.0126
5/31/2018 14:06	0	0.0126
5/31/2018 14:07	0	0.0125
5/31/2018 14:08	0	0.0124
5/31/2018 14:09	0	0.0123
5/31/2018 14:10	0	0.0123
5/31/2018 14:11	0	0.0121
5/31/2018 14:12	0	0.0121
5/31/2018 14:13	0	0.0121
5/31/2018 14:14	0	0.0121
5/31/2018 14:15	0	0.0121
5/31/2018 14:16	0	0.0119
5/31/2018 14:17	0	0.0119
5/31/2018 14:18	0	0.0119
5/31/2018 14:19	0	0.0118
5/31/2018 14:20	0	0.0118
5/31/2018 14:21	0.0011	0.0118
5/31/2018 14:22	0.0011	0.0118
5/31/2018 14:23	0.0011	0.0118
5/31/2018 14:24	0.0011	0.0118
5/31/2018 14:25	0.0011	0.0121
5/31/2018 14:26	0.0011	0.0123
5/31/2018 14:27	0.0011	0.0123
5/31/2018 14:28	0.0011	0.0124
5/31/2018 14:29	0.0011	0.0124
5/31/2018 14:30	0.0011	0.0124
5/31/2018 14:31	0.0011	0.0125
5/31/2018 14:32	0.0011	0.0125
5/31/2018 14:33	0.0011	0.0125
5/31/2018 14:34	0.0011	0.0126
5/31/2018 14:35	0.0011	0.0126
5/31/2018 14:36	0	0.0126
5/31/2018 14:37	0	0.0126
5/31/2018 14:38	0	0.0125
5/31/2018 14:39	0	0.0125
5/31/2018 14:40	0	0.0122
5/31/2018 14:41	0	0.012
5/31/2018 14:42	0	0.0119
5/31/2018 14:43	0	0.0119
5/31/2018 14:44	0	0.0119
5/31/2018 14:45	0.0005	0.0118
5/31/2018 14:46	0.0005	0.0117
5/31/2018 14:47	0.0005	0.0117
5/31/2018 14:48	0.0005	0.0117
5/31/2018 14:49	0.0005	0.0116

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
5/31/2018 14:50	0.0005	0.0116
5/31/2018 14:51	0.0005	0.0116
5/31/2018 14:52	0.0005	0.0116
5/31/2018 14:53	0.0005	0.0117
5/31/2018 14:54	0.0005	0.0117
5/31/2018 14:55	0.0005	0.0117
5/31/2018 14:56	0.0005	0.0118
5/31/2018 14:57	0.0005	0.0119
5/31/2018 14:58	0.0005	0.0118
5/31/2018 14:59	0.0005	0.0119
5/31/2018 15:00	0	0.0119
5/31/2018 15:01	0	0.012
5/31/2018 15:02	0	0.012
5/31/2018 15:03	0	0.012
5/31/2018 15:04	0	0.0121
5/31/2018 15:05	0.0005	0.0121
5/31/2018 15:06	0.0005	0.0121
5/31/2018 15:07	0.0005	0.0121
5/31/2018 15:08	0.0005	0.0121
5/31/2018 15:09	0.0005	0.0122
5/31/2018 15:10	0.0005	0.0123
5/31/2018 15:11	0.0005	0.0123
5/31/2018 15:12	0.0005	0.0123
5/31/2018 15:13	0.0005	0.0123

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 7:04	0.6	
6/1/2018 7:05	0.608	0.049
6/1/2018 7:06	0.6237	0.054
6/1/2018 7:07	0.6295	0.056
6/1/2018 7:08	0.6384	0.0568
6/1/2018 7:09	0.6458	0.0578
6/1/2018 7:10	0.6559	0.0578
6/1/2018 7:11	0.6569	0.0576
6/1/2018 7:12	0.6568	0.0574
6/1/2018 7:13	0.6586	0.0571
6/1/2018 7:14	0.6525	0.0569
6/1/2018 7:15	0.6472	0.0565
6/1/2018 7:16	0.6418	0.0563
6/1/2018 7:17	0.6387	0.0559
6/1/2018 7:18	0.6379	0.0556
6/1/2018 7:19	0.6377	0.0553
6/1/2018 7:20	0.6349	0.0554
6/1/2018 7:21	0.63	0.0548
6/1/2018 7:22	0.6276	0.0541
6/1/2018 7:23	0.6257	0.0535
6/1/2018 7:24	0.6179	0.0527
6/1/2018 7:25	0.6081	0.0521
6/1/2018 7:26	0.601	0.0515
6/1/2018 7:27	0.5934	0.0509
6/1/2018 7:28	0.5898	0.0504
6/1/2018 7:29	0.589	0.0499
6/1/2018 7:30	0.5848	0.0494
6/1/2018 7:31	0.5847	0.0489
6/1/2018 7:32	0.58	0.0483
6/1/2018 7:33	0.5746	0.0479
6/1/2018 7:34	0.5693	0.0475
6/1/2018 7:35	0.564	0.047
6/1/2018 7:36	0.5637	0.0466
6/1/2018 7:37	0.5605	0.0461
6/1/2018 7:38	0.5492	0.0457
6/1/2018 7:39	0.5502	0.0453
6/1/2018 7:40	0.5461	0.0449
6/1/2018 7:41	0.5442	0.0445
6/1/2018 7:42	0.5401	0.0443
6/1/2018 7:43	0.533	0.0439
6/1/2018 7:44	0.5301	0.0436
6/1/2018 7:45	0.5267	0.0433
6/1/2018 7:46	0.5212	0.0431
6/1/2018 7:47	0.5211	0.043
6/1/2018 7:48	0.5157	0.0428
6/1/2018 7:49	0.5117	0.0426
6/1/2018 7:50	0.5071	0.0424
6/1/2018 7:51	0.4972	0.0423

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 7:52	0.493	0.0421
6/1/2018 7:53	0.4855	0.042
6/1/2018 7:54	0.4694	0.0419
6/1/2018 7:55	0.4673	0.0417
6/1/2018 7:56	0.4535	0.0416
6/1/2018 7:57	0.4465	0.0415
6/1/2018 7:58	0.4394	0.0413
6/1/2018 7:59	0.4271	0.0413
6/1/2018 8:00	0.4239	0.0411
6/1/2018 8:01	0.4149	0.041
6/1/2018 8:02	0.4045	0.0409
6/1/2018 8:03	0.3986	0.0407
6/1/2018 8:04	0.3926	0.0407
6/1/2018 8:05	0.3883	0.0406
6/1/2018 8:06	0.3865	0.0404
6/1/2018 8:07	0.3737	0.0403
6/1/2018 8:08	0.3696	0.0402
6/1/2018 8:09	0.3712	0.0401
6/1/2018 8:10	0.3573	0.0399
6/1/2018 8:11	0.362	0.0398
6/1/2018 8:12	0.3557	0.0397
6/1/2018 8:13	0.3501	0.0396
6/1/2018 8:14	0.3461	0.0394
6/1/2018 8:15	0.3373	0.0393
6/1/2018 8:16	0.3325	0.0392
6/1/2018 8:17	0.3263	0.0391
6/1/2018 8:18	0.3237	0.0389
6/1/2018 8:19	0.3148	0.0388
6/1/2018 8:20	0.3081	0.0387
6/1/2018 8:21	0.3027	0.0386
6/1/2018 8:22	0.2947	0.0384
6/1/2018 8:23	0.2941	0.0385
6/1/2018 8:24	0.2849	0.0385
6/1/2018 8:25	0.2843	0.0385
6/1/2018 8:26	0.2721	0.0385
6/1/2018 8:27	0.268	0.0389
6/1/2018 8:28	0.2612	0.0391
6/1/2018 8:29	0.2545	0.0391
6/1/2018 8:30	0.25	0.039
6/1/2018 8:31	0.2427	0.0389
6/1/2018 8:32	0.2317	0.0388
6/1/2018 8:33	0.2235	0.0387
6/1/2018 8:34	0.2212	0.0387
6/1/2018 8:35	0.218	0.0388
6/1/2018 8:36	0.2075	0.0387
6/1/2018 8:37	0.2081	0.0386
6/1/2018 8:38	0.2046	0.0381
6/1/2018 8:39	0.1982	0.0378

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 8:40	0.1976	0.0374
6/1/2018 8:41	0.1961	0.037
6/1/2018 8:42	0.1931	0.0363
6/1/2018 8:43	0.1907	0.0357
6/1/2018 8:44	0.1903	0.0352
6/1/2018 8:45	0.1801	0.0349
6/1/2018 8:46	0.1787	0.0346
6/1/2018 8:47	0.179	0.0343
6/1/2018 8:48	0.1713	0.0341
6/1/2018 8:49	0.1648	0.0336
6/1/2018 8:50	0.1583	0.0331
6/1/2018 8:51	0.1553	0.0328
6/1/2018 8:52	0.1491	0.0325
6/1/2018 8:53	0.1367	0.0323
6/1/2018 8:54	0.1331	0.0321
6/1/2018 8:55	0.1179	0.0319
6/1/2018 8:56	0.1059	0.0316
6/1/2018 8:57	0.0979	0.0314
6/1/2018 8:58	0.0855	0.0312
6/1/2018 8:59	0.0791	0.0311
6/1/2018 9:00	0.0741	0.0313
6/1/2018 9:01	0.0643	0.0311
6/1/2018 9:02	0.0605	0.0309
6/1/2018 9:03	0.0592	0.0308
6/1/2018 9:04	0.0579	0.0307
6/1/2018 9:05	0.0567	0.0306
6/1/2018 9:06	0.0491	0.0305
6/1/2018 9:07	0.0448	0.0304
6/1/2018 9:08	0.0495	0.0303
6/1/2018 9:09	0.0492	0.0303
6/1/2018 9:10	0.05	0.0304
6/1/2018 9:11	0.0569	0.0305
6/1/2018 9:12	0.0617	0.0306
6/1/2018 9:13	0.0631	0.0307
6/1/2018 9:14	0.0598	0.0309
6/1/2018 9:15	0.0659	0.0309
6/1/2018 9:16	0.0713	0.0319
6/1/2018 9:17	0.0694	0.0337
6/1/2018 9:18	0.0735	0.0352
6/1/2018 9:19	0.0751	0.0354
6/1/2018 9:20	0.0726	0.0355
6/1/2018 9:21	0.0786	0.0355
6/1/2018 9:22	0.0809	0.0355
6/1/2018 9:23	0.0789	0.0355
6/1/2018 9:24	0.0774	0.0355
6/1/2018 9:25	0.0821	0.0355
6/1/2018 9:26	0.0797	0.0355
6/1/2018 9:27	0.0762	0.0356

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 9:28	0.0809	0.0356
6/1/2018 9:29	0.0843	0.0356
6/1/2018 9:30	0.0841	0.0354
6/1/2018 9:31	0.0844	0.0344
6/1/2018 9:32	0.0843	0.0329
6/1/2018 9:33	0.0776	0.0315
6/1/2018 9:34	0.0753	0.0315
6/1/2018 9:35	0.0773	0.0317
6/1/2018 9:36	0.0763	0.032
6/1/2018 9:37	0.0776	0.0322
6/1/2018 9:38	0.0756	0.0325
6/1/2018 9:39	0.0769	0.0327
6/1/2018 9:40	0.0791	0.0329
6/1/2018 9:41	0.0798	0.033
6/1/2018 9:42	0.0813	0.0331
6/1/2018 9:43	0.078	0.0331
6/1/2018 9:44	0.0761	0.0336
6/1/2018 9:45	0.0737	0.0336
6/1/2018 9:46	0.0719	0.0336
6/1/2018 9:47	0.0752	0.0336
6/1/2018 9:48	0.0783	0.0335
6/1/2018 9:49	0.0785	0.0333
6/1/2018 9:50	0.0783	0.0331
6/1/2018 9:51	0.0766	0.033
6/1/2018 9:52	0.0717	0.0329
6/1/2018 9:53	0.0717	0.0328
6/1/2018 9:54	0.0715	0.0327
6/1/2018 9:55	0.0633	0.0325
6/1/2018 9:56	0.0611	0.0324
6/1/2018 9:57	0.0583	0.0322
6/1/2018 9:58	0.0622	0.032
6/1/2018 9:59	0.0623	0.0314
6/1/2018 10:00	0.0639	0.0312
6/1/2018 10:01	0.0663	0.0311
6/1/2018 10:02	0.0645	0.0309
6/1/2018 10:03	0.0587	0.0305
6/1/2018 10:04	0.0549	0.0302
6/1/2018 10:05	0.0508	0.0299
6/1/2018 10:06	0.0482	0.0295
6/1/2018 10:07	0.0489	0.0291
6/1/2018 10:08	0.0473	0.0289
6/1/2018 10:09	0.0448	0.0286
6/1/2018 10:10	0.0438	0.0283
6/1/2018 10:11	0.0409	0.0281
6/1/2018 10:12	0.0407	0.0281
6/1/2018 10:13	0.0359	0.028
6/1/2018 10:14	0.0321	0.028
6/1/2018 10:15	0.0275	0.028

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 10:16	0.022	0.0281
6/1/2018 10:17	0.0218	0.0281
6/1/2018 10:18	0.0218	0.0284
6/1/2018 10:19	0.0219	0.0287
6/1/2018 10:20	0.0217	0.0289
6/1/2018 10:21	0.0229	0.0291
6/1/2018 10:22	0.0216	0.0293
6/1/2018 10:23	0.0189	0.0293
6/1/2018 10:24	0.0188	0.0294
6/1/2018 10:25	0.0189	0.0295
6/1/2018 10:26	0.0185	0.0297
6/1/2018 10:27	0.0159	0.0301
6/1/2018 10:28	0.0144	0.0302
6/1/2018 10:29	0.0138	0.0303
6/1/2018 10:30	0.0135	0.0305
6/1/2018 10:31	0.0135	0.0305
6/1/2018 10:32	0.0114	0.0307
6/1/2018 10:33	0.0119	0.0309
6/1/2018 10:34	0.0117	0.0311
6/1/2018 10:35	0.0109	0.0313
6/1/2018 10:36	0.0087	0.0315
6/1/2018 10:37	0.0078	0.0319
6/1/2018 10:38	0.0078	0.0322
6/1/2018 10:39	0.0061	0.0323
6/1/2018 10:40	0.006	0.0327
6/1/2018 10:41	0.006	0.0328
6/1/2018 10:42	0.0051	0.0328
6/1/2018 10:43	0.0047	0.0335
6/1/2018 10:44	0.0047	0.0336
6/1/2018 10:45	0.0047	0.0339
6/1/2018 10:46	0.0033	0.0341
6/1/2018 10:47	0.0021	0.0343
6/1/2018 10:48	0.0016	0.0343
6/1/2018 10:49	0.0026	0.0341
6/1/2018 10:50	0.002	0.0341
6/1/2018 10:51	0.002	0.0339
6/1/2018 10:52	0.002	0.0337
6/1/2018 10:53	0.002	0.0335
6/1/2018 10:54	0.002	0.0335
6/1/2018 10:55	0.002	0.0333
6/1/2018 10:56	0.002	0.0332
6/1/2018 10:57	0.002	0.033
6/1/2018 10:58	0.002	0.0323
6/1/2018 10:59	0.002	0.0322
6/1/2018 11:00	0.002	0.0319
6/1/2018 11:01	0.002	0.0317
6/1/2018 11:02	0.002	0.0315
6/1/2018 11:03	0.002	0.0315

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 11:04	0	0.0317
6/1/2018 11:05	0	0.0328
6/1/2018 11:06	0	0.0333
6/1/2018 11:07	0	0.0339
6/1/2018 11:08	0	0.0343
6/1/2018 11:09	0	0.0345
6/1/2018 11:10	0	0.0343
6/1/2018 11:11	0	0.0341
6/1/2018 11:12	0	0.0339
6/1/2018 11:13	0	0.0337
6/1/2018 11:14	0	0.0337
6/1/2018 11:15	0	0.0334
6/1/2018 11:16	0	0.0333
6/1/2018 11:17	0	0.0331
6/1/2018 11:18	0	0.0329
6/1/2018 11:19	0	0.0327
6/1/2018 11:20	0	0.0315
6/1/2018 11:21	0	0.0308
6/1/2018 11:22	0	0.0301
6/1/2018 11:23	0	0.0296
6/1/2018 11:24	0	0.0292
6/1/2018 11:25	0	0.0293
6/1/2018 11:26	0	0.0293
6/1/2018 11:27	0	0.0293
6/1/2018 11:28	0	0.0292
6/1/2018 11:29	0	0.0291
6/1/2018 11:30	0	0.0292
6/1/2018 11:31	0	0.0291
6/1/2018 11:32	0	0.0291
6/1/2018 11:33	0	0.0291
6/1/2018 11:34	0	0.0291
6/1/2018 11:35	0	0.0289
6/1/2018 11:36	0	0.0289
6/1/2018 11:37	0	0.0288
6/1/2018 11:38	0.0001	0.0287
6/1/2018 11:39	0.0001	0.0287
6/1/2018 11:40	0.0001	0.0285
6/1/2018 11:41	0.0001	0.0284
6/1/2018 11:42	0.0001	0.0284
6/1/2018 11:43	0.0001	0.0284
6/1/2018 11:44	0.0001	0.0283
6/1/2018 11:45	0.0001	0.0281
6/1/2018 11:46	0.0001	0.0279
6/1/2018 11:47	0.0001	0.0277
6/1/2018 11:48	0.0001	0.0276
6/1/2018 11:49	0.0001	0.0275
6/1/2018 11:50	0.0001	0.0274
6/1/2018 11:51	0.0001	0.0273

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 11:52	0.0001	0.0271
6/1/2018 11:53	0	0.0269
6/1/2018 11:54	0	0.0267
6/1/2018 11:55	0	0.0266
6/1/2018 11:56	0	0.0265
6/1/2018 11:57	0	0.0263
6/1/2018 11:58	0	0.0262
6/1/2018 11:59	0	0.0261
6/1/2018 12:00	0	0.0261
6/1/2018 12:01	0	0.026
6/1/2018 12:02	0	0.0259
6/1/2018 12:03	0	0.0257
6/1/2018 12:04	0	0.0257
6/1/2018 12:05	0	0.0256
6/1/2018 12:06	0	0.0255
6/1/2018 12:07	0	0.0256
6/1/2018 12:08	0	0.0257
6/1/2018 12:09	0	0.0257
6/1/2018 12:10	0	0.0257
6/1/2018 12:11	0	0.0257
6/1/2018 12:12	0	0.0257
6/1/2018 12:13	0	0.0255
6/1/2018 12:14	0	0.0255
6/1/2018 12:15	0	0.0255
6/1/2018 12:16	0	0.0257
6/1/2018 12:17	0	0.0256
6/1/2018 12:18	0	0.0255
6/1/2018 12:19	0	0.0251
6/1/2018 12:20	0	0.025
6/1/2018 12:21	0	0.0249
6/1/2018 12:22	0	0.0247
6/1/2018 12:23	0	0.0245
6/1/2018 12:24	0	0.0243
6/1/2018 12:25	0	0.0241
6/1/2018 12:26	0	0.024
6/1/2018 12:27	0	0.0239
6/1/2018 12:28	0	0.0237
6/1/2018 12:29	0	0.0235
6/1/2018 12:30	0	0.0232
6/1/2018 12:31	0	0.0229
6/1/2018 12:32	0	0.0229
6/1/2018 12:33	0	0.0229
6/1/2018 12:34	0	0.0229
6/1/2018 12:35	0	0.023
6/1/2018 12:36	0	0.0231
6/1/2018 12:37	0	0.023
6/1/2018 12:38	0	0.0229
6/1/2018 12:39	0	0.0231

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 12:40	0	0.0231
6/1/2018 12:41	0	0.0231
6/1/2018 12:42	0	0.0231
6/1/2018 12:43	0	0.0231
6/1/2018 12:44	0	0.0231
6/1/2018 12:45	0	0.0233
6/1/2018 12:46	0	0.0233
6/1/2018 12:47	0	0.0233
6/1/2018 12:48	0	0.0237
6/1/2018 12:49	0	0.0239
6/1/2018 12:50	0	0.0239
6/1/2018 12:51	0	0.0239
6/1/2018 12:52	0	0.0239
6/1/2018 12:53	0	0.024
6/1/2018 12:54	0	0.024
6/1/2018 12:55	0	0.0239
6/1/2018 12:56	0	0.0239
6/1/2018 12:57	0	0.0239
6/1/2018 12:58	0	0.0239
6/1/2018 12:59	0	0.024
6/1/2018 13:00	0	0.0239
6/1/2018 13:01	0	0.024
6/1/2018 13:02	0	0.024
6/1/2018 13:03	0	0.0235
6/1/2018 13:04	0	0.0231
6/1/2018 13:05	0	0.023
6/1/2018 13:06	0	0.0228
6/1/2018 13:07	0	0.0227
6/1/2018 13:08	0	0.0227
6/1/2018 13:09	0	0.0233
6/1/2018 13:10	0	0.0241
6/1/2018 13:11	0	0.0247
6/1/2018 13:12	0	0.0247
6/1/2018 13:13	0	0.0248
6/1/2018 13:14	0	0.0249
6/1/2018 13:15	0	0.0255
6/1/2018 13:16	0	0.0254
6/1/2018 13:17	0	0.0254
6/1/2018 13:18	0	0.0256
6/1/2018 13:19	0	0.0257
6/1/2018 13:20	0	0.0258
6/1/2018 13:21	0	0.0259
6/1/2018 13:22	0	0.0259
6/1/2018 13:23	0	0.0257
6/1/2018 13:24	0	0.025
6/1/2018 13:25	0	0.0241
6/1/2018 13:26	0	0.0235
6/1/2018 13:27	0	0.0233

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/1/2018 13:28	0	0.0234
6/1/2018 13:29	0	0.0232
6/1/2018 13:30	0	0.0224
6/1/2018 13:31	0	0.0223
6/1/2018 13:32	0	0.0223
6/1/2018 13:33	0	0.0221
6/1/2018 13:34	0	0.0221
6/1/2018 13:35	0	0.0221
6/1/2018 13:36	0	0.0221
6/1/2018 13:37	0	0.0221
6/1/2018 13:38	0	0.0221
6/1/2018 13:39	0	0.0221
6/1/2018 13:40	0	0.0221
6/1/2018 13:41	0	0.0221
6/1/2018 13:42	0	0.0221
6/1/2018 13:43	0	0.0221
6/1/2018 13:44	0	0.0221
6/1/2018 13:45	0	0.0222
6/1/2018 13:46	0	0.0223

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/4/2018 7:09	0.051	
6/4/2018 7:10	0.0255	0.014
6/4/2018 7:11	0.0203	0.0145
6/4/2018 7:12	0.058	0.0147
6/4/2018 7:13	0.0644	0.0145
6/4/2018 7:14	0.0652	0.0146
6/4/2018 7:15	0.0843	0.0145
6/4/2018 7:16	0.1043	0.0144
6/4/2018 7:17	0.116	0.0144
6/4/2018 7:18	0.1372	0.0143
6/4/2018 7:19	0.1579	0.0143
6/4/2018 7:20	0.1712	0.0143
6/4/2018 7:21	0.1815	0.0143
6/4/2018 7:22	0.1881	0.0142
6/4/2018 7:23	0.1939	0.0141
6/4/2018 7:24	0.2048	0.0141
6/4/2018 7:25	0.2227	0.014
6/4/2018 7:26	0.244	0.0139
6/4/2018 7:27	0.252	0.0137
6/4/2018 7:28	0.2632	0.0136
6/4/2018 7:29	0.2791	0.0134
6/4/2018 7:30	0.2848	0.0133
6/4/2018 7:31	0.2859	0.0132
6/4/2018 7:32	0.2901	0.0131
6/4/2018 7:33	0.2895	0.013
6/4/2018 7:34	0.2861	0.0129
6/4/2018 7:35	0.2853	0.0128
6/4/2018 7:36	0.2871	0.0127
6/4/2018 7:37	0.2929	0.0125
6/4/2018 7:38	0.2925	0.0125
6/4/2018 7:39	0.298	0.0125
6/4/2018 7:40	0.2953	0.0124
6/4/2018 7:41	0.2916	0.0123
6/4/2018 7:42	0.2911	0.0123
6/4/2018 7:43	0.2933	0.0123
6/4/2018 7:44	0.2927	0.0123
6/4/2018 7:45	0.2891	0.0122
6/4/2018 7:46	0.2927	0.0122
6/4/2018 7:47	0.2963	0.0121
6/4/2018 7:48	0.2933	0.0121
6/4/2018 7:49	0.2973	0.012
6/4/2018 7:50	0.2901	0.0119
6/4/2018 7:51	0.2927	0.0119
6/4/2018 7:52	0.2935	0.0119
6/4/2018 7:53	0.2941	0.0118
6/4/2018 7:54	0.298	0.0117
6/4/2018 7:55	0.3034	0.0117
6/4/2018 7:56	0.308	0.0117

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/4/2018 7:57	0.3162	0.0117
6/4/2018 7:58	0.319	0.0117
6/4/2018 7:59	0.3229	0.0116
6/4/2018 8:00	0.3302	0.0117
6/4/2018 8:01	0.3294	0.0119
6/4/2018 8:02	0.3277	0.0119
6/4/2018 8:03	0.3353	0.0119
6/4/2018 8:04	0.3344	0.012
6/4/2018 8:05	0.3462	0.0119
6/4/2018 8:06	0.3455	0.0119
6/4/2018 8:07	0.3435	0.0125
6/4/2018 8:08	0.3481	0.0142
6/4/2018 8:09	0.3513	0.0144
6/4/2018 8:10	0.3555	0.0145
6/4/2018 8:11	0.3544	0.0145
6/4/2018 8:12	0.3527	0.0144
6/4/2018 8:13	0.3579	0.0145
6/4/2018 8:14	0.3595	0.0146
6/4/2018 8:15	0.3605	0.0147
6/4/2018 8:16	0.3642	0.0145
6/4/2018 8:17	0.3685	0.0145
6/4/2018 8:18	0.3651	0.0146
6/4/2018 8:19	0.3667	0.0147
6/4/2018 8:20	0.368	0.0147
6/4/2018 8:21	0.3677	0.0147
6/4/2018 8:22	0.3737	0.0141
6/4/2018 8:23	0.3807	0.0125
6/4/2018 8:24	0.3785	0.0123
6/4/2018 8:25	0.3816	0.0123
6/4/2018 8:26	0.3853	0.0123
6/4/2018 8:27	0.3845	0.0123
6/4/2018 8:28	0.3856	0.0123
6/4/2018 8:29	0.3886	0.0123
6/4/2018 8:30	0.3943	0.0119
6/4/2018 8:31	0.396	0.0119
6/4/2018 8:32	0.3975	0.012
6/4/2018 8:33	0.4055	0.0118
6/4/2018 8:34	0.4104	0.0117
6/4/2018 8:35	0.4151	0.0117
6/4/2018 8:36	0.4194	0.0117
6/4/2018 8:37	0.4179	0.0116
6/4/2018 8:38	0.4177	0.0115
6/4/2018 8:39	0.4195	0.0115
6/4/2018 8:40	0.4217	0.0115
6/4/2018 8:41	0.4223	0.0115
6/4/2018 8:42	0.4291	0.0115
6/4/2018 8:43	0.4297	0.0115
6/4/2018 8:44	0.4337	0.0115

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/4/2018 8:45	0.4357	0.0117
6/4/2018 8:46	0.443	0.0117
6/4/2018 8:47	0.4477	0.0115
6/4/2018 8:48	0.4505	0.0116
6/4/2018 8:49	0.448	0.0116
6/4/2018 8:50	0.4445	0.0116
6/4/2018 8:51	0.4449	0.0115
6/4/2018 8:52	0.4492	0.0115
6/4/2018 8:53	0.4525	0.0115
6/4/2018 8:54	0.4561	0.0115
6/4/2018 8:55	0.4544	0.0114
6/4/2018 8:56	0.4563	0.0114
6/4/2018 8:57	0.4539	0.0112
6/4/2018 8:58	0.4519	0.0111
6/4/2018 8:59	0.4506	0.0111
6/4/2018 9:00	0.4444	0.011
6/4/2018 9:01	0.4365	0.0109
6/4/2018 9:02	0.4405	0.0109
6/4/2018 9:03	0.4357	0.0109
6/4/2018 9:04	0.4407	0.0109
6/4/2018 9:05	0.445	0.0109
6/4/2018 9:06	0.4457	0.0108
6/4/2018 9:07	0.4399	0.0107
6/4/2018 9:08	0.4383	0.0106
6/4/2018 9:09	0.4357	0.0105
6/4/2018 9:10	0.4327	0.0105
6/4/2018 9:11	0.4318	0.0104
6/4/2018 9:12	0.4279	0.0105
6/4/2018 9:13	0.4287	0.0105
6/4/2018 9:14	0.4253	0.0104
6/4/2018 9:15	0.4281	0.0103
6/4/2018 9:16	0.4309	0.0102
6/4/2018 9:17	0.4237	0.0101
6/4/2018 9:18	0.4239	0.01
6/4/2018 9:19	0.4196	0.0099
6/4/2018 9:20	0.4191	0.0099
6/4/2018 9:21	0.4149	0.0098
6/4/2018 9:22	0.4133	0.0097
6/4/2018 9:23	0.4107	0.0097
6/4/2018 9:24	0.4128	0.0095
6/4/2018 9:25	0.4126	0.0094
6/4/2018 9:26	0.4098	0.0093
6/4/2018 9:27	0.4141	0.009
6/4/2018 9:28	0.4161	0.0087
6/4/2018 9:29	0.4136	0.0085
6/4/2018 9:30	0.4093	0.0083
6/4/2018 9:31	0.4099	0.008
6/4/2018 9:32	0.4078	0.0077

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/4/2018 9:33	0.4053	0.0074
6/4/2018 9:34	0.4011	0.0071
6/4/2018 9:35	0.394	0.0068
6/4/2018 9:36	0.3951	0.0065
6/4/2018 9:37	0.3936	0.0061
6/4/2018 9:38	0.3867	0.0059
6/4/2018 9:39	0.3803	0.0056
6/4/2018 9:40	0.3779	0.0054
6/4/2018 9:41	0.3767	0.0051
6/4/2018 9:42	0.3699	0.0049
6/4/2018 9:43	0.3689	0.0048
6/4/2018 9:44	0.3705	0.0047
6/4/2018 9:45	0.3743	0.0045
6/4/2018 9:46	0.3745	0.0043
6/4/2018 9:47	0.3747	0.0042
6/4/2018 9:48	0.3715	0.0041
6/4/2018 9:49	0.3706	0.0039
6/4/2018 9:50	0.3719	0.0038
6/4/2018 9:51	0.366	0.0038
6/4/2018 9:52	0.3626	0.0037
6/4/2018 9:53	0.3645	0.0037
6/4/2018 9:54	0.3635	0.0037
6/4/2018 9:55	0.3649	0.0035
6/4/2018 9:56	0.3629	0.0033
6/4/2018 9:57	0.3675	0.0032
6/4/2018 9:58	0.3641	0.0031
6/4/2018 9:59	0.361	0.003
6/4/2018 10:00	0.3528	0.0029
6/4/2018 10:01	0.3479	0.0028
6/4/2018 10:02	0.3466	0.0027
6/4/2018 10:03	0.3479	0.0027
6/4/2018 10:04	0.3472	0.0026
6/4/2018 10:05	0.3421	0.0025
6/4/2018 10:06	0.3451	0.0024
6/4/2018 10:07	0.3494	0.0023
6/4/2018 10:08	0.3473	0.0022
6/4/2018 10:09	0.349	0.0021
6/4/2018 10:10	0.3459	0.0021
6/4/2018 10:11	0.3493	0.0021

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 7:14	0.175	
6/12/2018 7:15	0.174	0.012
6/12/2018 7:16	0.1723	0.0125
6/12/2018 7:17	0.1728	0.0127
6/12/2018 7:18	0.1722	0.013
6/12/2018 7:19	0.1717	0.013
6/12/2018 7:20	0.1716	0.013
6/12/2018 7:21	0.1706	0.0129
6/12/2018 7:22	0.1697	0.0129
6/12/2018 7:23	0.1688	0.0129
6/12/2018 7:24	0.1682	0.0129
6/12/2018 7:25	0.1683	0.0131
6/12/2018 7:26	0.1676	0.0132
6/12/2018 7:27	0.1666	0.0132
6/12/2018 7:28	0.1657	0.0135
6/12/2018 7:29	0.1644	0.0135
6/12/2018 7:30	0.163	0.0136
6/12/2018 7:31	0.1617	0.0136
6/12/2018 7:32	0.1599	0.0136
6/12/2018 7:33	0.1582	0.0135
6/12/2018 7:34	0.1567	0.0137
6/12/2018 7:35	0.1547	0.0138
6/12/2018 7:36	0.153	0.0139
6/12/2018 7:37	0.1515	0.0139
6/12/2018 7:38	0.1501	0.014
6/12/2018 7:39	0.1482	0.0141
6/12/2018 7:40	0.1459	0.0141
6/12/2018 7:41	0.1441	0.014
6/12/2018 7:42	0.1424	0.014
6/12/2018 7:43	0.141	0.0139
6/12/2018 7:44	0.1394	0.0139
6/12/2018 7:45	0.1379	0.0139
6/12/2018 7:46	0.1365	0.0139
6/12/2018 7:47	0.1351	0.0139
6/12/2018 7:48	0.1338	0.014
6/12/2018 7:49	0.1322	0.0139
6/12/2018 7:50	0.1309	0.0138
6/12/2018 7:51	0.1299	0.0137
6/12/2018 7:52	0.1287	0.0137
6/12/2018 7:53	0.1273	0.0137
6/12/2018 7:54	0.1265	0.0137
6/12/2018 7:55	0.1252	0.0137
6/12/2018 7:56	0.1241	0.0137
6/12/2018 7:57	0.1232	0.0137
6/12/2018 7:58	0.122	0.0135
6/12/2018 7:59	0.1207	0.0135
6/12/2018 8:00	0.1195	0.0135
6/12/2018 8:01	0.1184	0.0135

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 8:02	0.1173	0.0135
6/12/2018 8:03	0.1162	0.0135
6/12/2018 8:04	0.1151	0.0134
6/12/2018 8:05	0.1139	0.0134
6/12/2018 8:06	0.1129	0.0134
6/12/2018 8:07	0.1115	0.0134
6/12/2018 8:08	0.1105	0.0133
6/12/2018 8:09	0.1091	0.0133
6/12/2018 8:10	0.1082	0.0132
6/12/2018 8:11	0.1067	0.0133
6/12/2018 8:12	0.1055	0.0133
6/12/2018 8:13	0.1043	0.0133
6/12/2018 8:14	0.1029	0.0133
6/12/2018 8:15	0.1015	0.0137
6/12/2018 8:16	0.1004	0.0137
6/12/2018 8:17	0.0961	0.0141
6/12/2018 8:18	0.0921	0.0141
6/12/2018 8:19	0.0889	0.0142
6/12/2018 8:20	0.0857	0.0142
6/12/2018 8:21	0.0823	0.0142
6/12/2018 8:22	0.0795	0.0142
6/12/2018 8:23	0.0764	0.0142
6/12/2018 8:24	0.0734	0.0142
6/12/2018 8:25	0.0704	0.0143
6/12/2018 8:26	0.0679	0.0142
6/12/2018 8:27	0.0653	0.0142
6/12/2018 8:28	0.063	0.0141
6/12/2018 8:29	0.0608	0.0141
6/12/2018 8:30	0.0589	0.0135
6/12/2018 8:31	0.0566	0.0135
6/12/2018 8:32	0.0573	0.0131
6/12/2018 8:33	0.0581	0.0131
6/12/2018 8:34	0.0579	0.013
6/12/2018 8:35	0.0576	0.013
6/12/2018 8:36	0.0575	0.013
6/12/2018 8:37	0.0571	0.0129
6/12/2018 8:38	0.0566	0.0129
6/12/2018 8:39	0.0561	0.0129
6/12/2018 8:40	0.0557	0.0127
6/12/2018 8:41	0.0549	0.0131
6/12/2018 8:42	0.0539	0.013
6/12/2018 8:43	0.0527	0.0131
6/12/2018 8:44	0.0518	0.013
6/12/2018 8:45	0.0503	0.0131
6/12/2018 8:46	0.049	0.0131
6/12/2018 8:47	0.0478	0.0131
6/12/2018 8:48	0.0463	0.0129
6/12/2018 8:49	0.0447	0.013

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 8:50	0.0431	0.0129
6/12/2018 8:51	0.0419	0.0129
6/12/2018 8:52	0.0405	0.0132
6/12/2018 8:53	0.0391	0.0133
6/12/2018 8:54	0.0376	0.0132
6/12/2018 8:55	0.0362	0.0132
6/12/2018 8:56	0.0347	0.0128
6/12/2018 8:57	0.0336	0.0129
6/12/2018 8:58	0.0321	0.0133
6/12/2018 8:59	0.0308	0.0139
6/12/2018 9:00	0.0295	0.0145
6/12/2018 9:01	0.0281	0.0145
6/12/2018 9:02	0.0267	0.0145
6/12/2018 9:03	0.0253	0.0147
6/12/2018 9:04	0.024	0.0146
6/12/2018 9:05	0.0228	0.0147
6/12/2018 9:06	0.0211	0.0147
6/12/2018 9:07	0.0197	0.0145
6/12/2018 9:08	0.0182	0.0145
6/12/2018 9:09	0.0169	0.0149
6/12/2018 9:10	0.0155	0.015
6/12/2018 9:11	0.014	0.015
6/12/2018 9:12	0.0125	0.0148
6/12/2018 9:13	0.0111	0.0143
6/12/2018 9:14	0.0095	0.0137
6/12/2018 9:15	0.0082	0.0131
6/12/2018 9:16	0.0069	0.0131
6/12/2018 9:17	0.0058	0.0131
6/12/2018 9:18	0.0047	0.0129
6/12/2018 9:19	0.0039	0.0129
6/12/2018 9:20	0.0031	0.0129
6/12/2018 9:21	0.0024	0.0129
6/12/2018 9:22	0.0017	0.0128
6/12/2018 9:23	0.0013	0.0127
6/12/2018 9:24	0.0008	0.0123
6/12/2018 9:25	0.0003	0.0122
6/12/2018 9:26	0.0002	0.0122
6/12/2018 9:27	0	0.0123
6/12/2018 9:28	0	0.0122
6/12/2018 9:29	0	0.0122
6/12/2018 9:30	0	0.0122
6/12/2018 9:31	0	0.0121
6/12/2018 9:32	0	0.0121
6/12/2018 9:33	0	0.0121
6/12/2018 9:34	0	0.0121
6/12/2018 9:35	0	0.0121
6/12/2018 9:36	0	0.0122
6/12/2018 9:37	0	0.0123

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 9:38	0	0.0123
6/12/2018 9:39	0	0.0123
6/12/2018 9:40	0	0.0123
6/12/2018 9:41	0	0.0123
6/12/2018 9:42	0	0.0123
6/12/2018 9:43	0	0.0124
6/12/2018 9:44	0	0.0124
6/12/2018 9:45	0	0.0125
6/12/2018 9:46	0	0.0125
6/12/2018 9:47	0	0.0125
6/12/2018 9:48	0	0.0126
6/12/2018 9:49	0	0.0126
6/12/2018 9:50	0	0.0125
6/12/2018 9:51	0	0.0125
6/12/2018 9:52	0	0.0125
6/12/2018 9:53	0	0.0125
6/12/2018 9:54	0	0.0126
6/12/2018 9:55	0	0.0127
6/12/2018 9:56	0	0.0127
6/12/2018 9:57	0	0.0127
6/12/2018 9:58	0	0.0126
6/12/2018 9:59	0	0.0126
6/12/2018 10:00	0	0.0126
6/12/2018 10:01	0	0.0126
6/12/2018 10:02	0	0.0127
6/12/2018 10:03	0	0.0127
6/12/2018 10:04	0	0.0127
6/12/2018 10:05	0	0.0127
6/12/2018 10:06	0	0.0126
6/12/2018 10:07	0	0.0126
6/12/2018 10:08	0	0.0128
6/12/2018 10:09	0	0.0127
6/12/2018 10:10	0	0.0126
6/12/2018 10:11	0	0.0127
6/12/2018 10:12	0	0.0127
6/12/2018 10:13	0	0.0127
6/12/2018 10:14	0	0.0128
6/12/2018 10:15	0	0.0128
6/12/2018 10:16	0	0.0127
6/12/2018 10:17	0	0.0126
6/12/2018 10:18	0	0.0126
6/12/2018 10:19	0	0.0127
6/12/2018 10:20	0	0.0128
6/12/2018 10:21	0	0.0129
6/12/2018 10:22	0	0.0129
6/12/2018 10:23	0	0.0128
6/12/2018 10:24	0	0.0129
6/12/2018 10:25	0	0.0129

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 10:26	0	0.0129
6/12/2018 10:27	0	0.0129
6/12/2018 10:28	0	0.013
6/12/2018 10:29	0	0.0131
6/12/2018 10:30	0	0.0131
6/12/2018 10:31	0	0.0131
6/12/2018 10:32	0	0.0131
6/12/2018 10:33	0	0.0143
6/12/2018 10:34	0	0.0143
6/12/2018 10:35	0	0.0143
6/12/2018 10:36	0	0.0143
6/12/2018 10:37	0	0.0143
6/12/2018 10:38	0	0.0143
6/12/2018 10:39	0	0.0143
6/12/2018 10:40	0	0.0143
6/12/2018 10:41	0	0.0143
6/12/2018 10:42	0	0.0143
6/12/2018 10:43	0	0.0143
6/12/2018 10:44	0	0.0142
6/12/2018 10:45	0	0.0143
6/12/2018 10:46	0	0.0143
6/12/2018 10:47	0	0.0144
6/12/2018 10:48	0	0.0133
6/12/2018 10:49	0	0.0133
6/12/2018 10:50	0	0.0133
6/12/2018 10:51	0	0.0133
6/12/2018 10:52	0	0.0133
6/12/2018 10:53	0	0.0135
6/12/2018 10:54	0	0.0138
6/12/2018 10:55	0	0.0139
6/12/2018 10:56	0	0.0139
6/12/2018 10:57	0	0.0139
6/12/2018 10:58	0	0.014
6/12/2018 10:59	0	0.0141
6/12/2018 11:00	0	0.0142
6/12/2018 11:01	0	0.0141
6/12/2018 11:02	0	0.014
6/12/2018 11:03	0	0.0139
6/12/2018 11:04	0	0.0138
6/12/2018 11:05	0	0.0139
6/12/2018 11:06	0	0.0138
6/12/2018 11:07	0	0.0139
6/12/2018 11:08	0	0.0138
6/12/2018 11:09	0	0.0134
6/12/2018 11:10	0	0.0132
6/12/2018 11:11	0	0.0131
6/12/2018 11:12	0	0.0129
6/12/2018 11:13	0	0.0127

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 11:14	0	0.0126
6/12/2018 11:15	0	0.0124
6/12/2018 11:16	0	0.0123
6/12/2018 11:17	0	0.0123
6/12/2018 11:18	0	0.0123
6/12/2018 11:19	0	0.0121
6/12/2018 11:20	0	0.0119
6/12/2018 11:21	0	0.0119
6/12/2018 11:22	0	0.0117
6/12/2018 11:23	0	0.0115
6/12/2018 11:24	0	0.0115
6/12/2018 11:25	0	0.0115
6/12/2018 11:26	0	0.0115
6/12/2018 11:27	0	0.0115
6/12/2018 11:28	0	0.0115
6/12/2018 11:29	0	0.0114
6/12/2018 11:30	0	0.0113
6/12/2018 11:31	0	0.0113
6/12/2018 11:32	0	0.0113
6/12/2018 11:33	0	0.0112
6/12/2018 11:34	0	0.0113
6/12/2018 11:35	0	0.0113
6/12/2018 11:36	0	0.0114
6/12/2018 11:37	0	0.0115
6/12/2018 11:38	0	0.0116
6/12/2018 11:39	0	0.0118
6/12/2018 11:40	0	0.0119
6/12/2018 11:41	0	0.0119
6/12/2018 11:42	0	0.0119
6/12/2018 11:43	0	0.0119
6/12/2018 11:44	0	0.0119
6/12/2018 11:45	0	0.0119
6/12/2018 11:46	0	0.0119
6/12/2018 11:47	0	0.0118
6/12/2018 11:48	0	0.0119
6/12/2018 11:49	0	0.0118
6/12/2018 11:50	0	0.0117
6/12/2018 11:51	0	0.0117
6/12/2018 11:52	0	0.0115
6/12/2018 11:53	0	0.0115
6/12/2018 11:54	0	0.0113
6/12/2018 11:55	0	0.0112
6/12/2018 11:56	0	
6/12/2018 11:57	0	
6/12/2018 11:58	0	0.0113
6/12/2018 11:59	0	0.0113
6/12/2018 12:00	0	0.0113
6/12/2018 12:01	0	0.0114

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 12:02	0	0.0114
6/12/2018 12:03	0	0.0113
6/12/2018 12:04	0	0.0113
6/12/2018 12:05	0	0.0113
6/12/2018 12:06	0	0.0114
6/12/2018 12:07	0	0.0115
6/12/2018 12:08	0	0.0115
6/12/2018 12:09	0	0.0116
6/12/2018 12:10	0	0.0116
6/12/2018 12:11	0	0.0116
6/12/2018 12:12	0	0.0117
6/12/2018 12:13	0	0.0119
6/12/2018 12:14	0	0.0121
6/12/2018 12:15	0	0.0121
6/12/2018 12:16	0	0.0121
6/12/2018 12:17	0	0.0122
6/12/2018 12:18	0	0.0123
6/12/2018 12:19	0	0.0123
6/12/2018 12:20	0	0.0123
6/12/2018 12:21	0	0.0123
6/12/2018 12:22	0	0.0124
6/12/2018 12:23	0	0.0123
6/12/2018 12:24	0	0.0123
6/12/2018 12:25	0	0.0123
6/12/2018 12:26	0	0.0123
6/12/2018 12:27	0	0.0122
6/12/2018 12:28	0	0.0121
6/12/2018 12:29	0	0.0119
6/12/2018 12:30	0	0.0118
6/12/2018 12:31	0	0.0117
6/12/2018 12:32	0	0.0119
6/12/2018 12:33	0	0.0119
6/12/2018 12:34	0	0.0119
6/12/2018 12:35	0	0.0119
6/12/2018 12:36	0	0.0119
6/12/2018 12:37	0	0.0118
6/12/2018 12:38	0	0.0117
6/12/2018 12:39	0	0.0117
6/12/2018 12:40	0	0.0117
6/12/2018 12:41	0	0.0118
6/12/2018 12:42	0	0.0118
6/12/2018 12:43	0	0.0117
6/12/2018 12:44	0	0.0117
6/12/2018 12:45	0	0.0117
6/12/2018 12:46	0	0.0118
6/12/2018 12:47	0	0.0117
6/12/2018 12:48	0	0.0115
6/12/2018 12:49	0	0.0115

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 12:50	0	0.0115
6/12/2018 12:51	0	0.0115
6/12/2018 12:52	0	0.0114
6/12/2018 12:53	0	0.0114
6/12/2018 12:54	0	0.0113
6/12/2018 12:55	0	0.0113
6/12/2018 12:56	0	0.0112
6/12/2018 12:57	0	0.0112
6/12/2018 12:58	0	0.0112
6/12/2018 12:59	0	0.0112
6/12/2018 13:00	0	0.0111
6/12/2018 13:01	0	0.0111
6/12/2018 13:02	0	0.0114
6/12/2018 13:03	0	0.0116
6/12/2018 13:04	0	0.0119
6/12/2018 13:05	0	0.0122
6/12/2018 13:06	0	0.0123
6/12/2018 13:07	0	0.0124
6/12/2018 13:08	0	0.0124
6/12/2018 13:09	0	0.0124
6/12/2018 13:10	0	0.0124
6/12/2018 13:11	0	0.0124
6/12/2018 13:12	0	0.0124
6/12/2018 13:13	0	0.0124
6/12/2018 13:14	0	0.0124
6/12/2018 13:15	0	0.0125
6/12/2018 13:16	0	0.0125
6/12/2018 13:17	0	0.0122
6/12/2018 13:18	0	0.0121
6/12/2018 13:19	0	0.0119
6/12/2018 13:20	0	0.0116
6/12/2018 13:21	0	0.0115
6/12/2018 13:22	0	0.0114
6/12/2018 13:23	0	0.0114
6/12/2018 13:24	0	0.0115
6/12/2018 13:25	0	0.0115
6/12/2018 13:26	0	0.0117
6/12/2018 13:27	0	0.0117
6/12/2018 13:28	0	0.0118
6/12/2018 13:29	0	0.0119
6/12/2018 13:30	0	0.0119
6/12/2018 13:31	0	0.0119
6/12/2018 13:32	0	0.0118
6/12/2018 13:33	0	0.0118
6/12/2018 13:34	0	0.0118
6/12/2018 13:35	0	0.0118
6/12/2018 13:36	0	0.0121
6/12/2018 13:37	0	0.0123

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/12/2018 13:38	0	0.0125
6/12/2018 13:39	0	0.0125
6/12/2018 13:40	0	0.0125
6/12/2018 13:41	0	0.0124
6/12/2018 13:42	0	0.0124
6/12/2018 13:43	0	0.0124
6/12/2018 13:44	0	0.0124
6/12/2018 13:45	0	0.0124
6/12/2018 13:46	0	0.0125
6/12/2018 13:47	0	0.0129
6/12/2018 13:48	0	0.0129
6/12/2018 13:49	0	0.0129

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 7:13	0	0.022
6/14/2018 7:14	0	0.022
6/14/2018 7:15	0	0.023
6/14/2018 7:16	0	0.023
6/14/2018 7:17	0	0.021
6/14/2018 7:18	0	0.021
6/14/2018 7:19	0	0.021
6/14/2018 7:20	0	0.021
6/14/2018 7:21	0	0.02
6/14/2018 7:22	0	0.02
6/14/2018 7:23	0	0.02
6/14/2018 7:24	0	0.021
6/14/2018 7:25	0	0.02
6/14/2018 7:26	0	0.02
6/14/2018 7:27	0.001	0.02
6/14/2018 7:28	0	0.02
6/14/2018 7:29	0	0.019
6/14/2018 7:30	0	0.019
6/14/2018 7:31	0	0.018
6/14/2018 7:32	0	0.019
6/14/2018 7:33	0	0.019
6/14/2018 7:34	0	0.02
6/14/2018 7:35	0	0.019
6/14/2018 7:36	0	0.02
6/14/2018 7:37	0	0.019
6/14/2018 7:38	0	0.018
6/14/2018 7:39	0	0.019
6/14/2018 7:40	0	0.018
6/14/2018 7:41	0	0.018
6/14/2018 7:42	0	0.019
6/14/2018 7:43	0	0.018
6/14/2018 7:44	0	0.018
6/14/2018 7:45	0	0.017
6/14/2018 7:46	0	0.018
6/14/2018 7:47	0	0.02
6/14/2018 7:48	0	0.019
6/14/2018 7:49	0	0.019
6/14/2018 7:50	0	0.02
6/14/2018 7:51	0	0.021
6/14/2018 7:52	0	0.018
6/14/2018 7:53	0	0.018
6/14/2018 7:54	0	0.017
6/14/2018 7:55	0	0.017
6/14/2018 7:56	0	0.017
6/14/2018 7:57	0	0.018
6/14/2018 7:58	0	0.018
6/14/2018 7:59	0	0.018
6/14/2018 8:00	0	0.02

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 8:01	0	0.018
6/14/2018 8:02	0	0.019
6/14/2018 8:03	0	0.019
6/14/2018 8:04	0	0.018
6/14/2018 8:05	0	0.018
6/14/2018 8:06	0	0.018
6/14/2018 8:07	0	0.021
6/14/2018 8:08	0	0.017
6/14/2018 8:09	0	0.017
6/14/2018 8:10	0	0.017
6/14/2018 8:11	0	0.017
6/14/2018 8:12	0	0.016
6/14/2018 8:13	0	0.017
6/14/2018 8:14	0	0.018
6/14/2018 8:15	0	0.017
6/14/2018 8:16	0	0.017
6/14/2018 8:17	0	0.017
6/14/2018 8:18	0	0.017
6/14/2018 8:19	0	0.017
6/14/2018 8:20	0	0.017
6/14/2018 8:21	0	0.016
6/14/2018 8:22	0	0.017
6/14/2018 8:23	0	0.017
6/14/2018 8:24	0	0.017
6/14/2018 8:25	0	0.016
6/14/2018 8:26	0	0.016
6/14/2018 8:27	0	0.016
6/14/2018 8:28	0	0.017
6/14/2018 8:29	0	0.017
6/14/2018 8:30	0	0.017
6/14/2018 8:31	0	0.017
6/14/2018 8:32	0	0.017
6/14/2018 8:33	0	0.017
6/14/2018 8:34	0	0.018
6/14/2018 8:35	0	0.018
6/14/2018 8:36	0	0.021
6/14/2018 8:37	0	0.018
6/14/2018 8:38	0	0.017
6/14/2018 8:39	0	0.017
6/14/2018 8:40	0	0.018
6/14/2018 8:41	0	0.02
6/14/2018 8:42	0	0.02
6/14/2018 8:43	0	0.018
6/14/2018 8:44	0	0.018
6/14/2018 8:45	0	0.018
6/14/2018 8:46	0	0.017
6/14/2018 8:47	0	0.018
6/14/2018 8:48	0	0.017

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 8:49	0	0.016
6/14/2018 8:50	0	0.016
6/14/2018 8:51	0	0.016
6/14/2018 8:52	0	0.016
6/14/2018 8:53	0	0.017
6/14/2018 8:54	0	0.018
6/14/2018 8:55	0	0.017
6/14/2018 8:56	0	0.016
6/14/2018 8:57	0	0.016
6/14/2018 8:58	0	0.015
6/14/2018 8:59	0	0.016
6/14/2018 9:00	0	0.016
6/14/2018 9:01	0	0.017
6/14/2018 9:02	0	0.016
6/14/2018 9:03	0	0.017
6/14/2018 9:04	0	0.023
6/14/2018 9:05	0	0.016
6/14/2018 9:06	0	0.016
6/14/2018 9:07	0	0.015
6/14/2018 9:08	0	0.016
6/14/2018 9:09	0	0.015
6/14/2018 9:10	0	0.016
6/14/2018 9:11	0	0.015
6/14/2018 9:12	0	0.015
6/14/2018 9:13	0	0.014
6/14/2018 9:14	0	0.014
6/14/2018 9:15	0	0.014
6/14/2018 9:16	0	0.019
6/14/2018 9:17	0	0.014
6/14/2018 9:18	0	0.014
6/14/2018 9:19	0	0.015
6/14/2018 9:20	0	0.014
6/14/2018 9:21	0	0.015
6/14/2018 9:22	0	0.014
6/14/2018 9:23	0	0.017
6/14/2018 9:24	0	0.014
6/14/2018 9:25	0	0.015
6/14/2018 9:26	0	0.014
6/14/2018 9:27	0	0.014
6/14/2018 9:28	0	0.014
6/14/2018 9:29	0	0.015
6/14/2018 9:30	0	0.016
6/14/2018 9:31	0	0.014
6/14/2018 9:32	0	0.014
6/14/2018 9:33	0	0.014
6/14/2018 9:34	0	0.014
6/14/2018 9:35	0	0.016
6/14/2018 9:36	0	0.018

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 9:37	0	0.015
6/14/2018 9:38	0	0.015
6/14/2018 9:39	0	0.018
6/14/2018 9:40	0	0.015
6/14/2018 9:41	0	0.015
6/14/2018 9:42	0	0.014
6/14/2018 9:43	0	0.014
6/14/2018 9:44	0	0.014
6/14/2018 9:45	0	0.015
6/14/2018 9:46	0	0.014
6/14/2018 9:47	0	0.015
6/14/2018 9:48	0	0.014
6/14/2018 9:49	0	0.014
6/14/2018 9:50	0	0.015
6/14/2018 9:51	0	0.014
6/14/2018 9:52	0	0.014
6/14/2018 9:53	0	0.014
6/14/2018 9:54	0	0.014
6/14/2018 9:55	0	0.015
6/14/2018 9:56	0	0.014
6/14/2018 9:57	0	0.014
6/14/2018 9:58	0	0.014
6/14/2018 9:59	0	0.014
6/14/2018 10:00	0	0.013
6/14/2018 10:01	0	0.013
6/14/2018 10:02	0	0.014
6/14/2018 10:03	0	0.013
6/14/2018 10:04	0	0.014
6/14/2018 10:05	0	0.014
6/14/2018 10:06	0	0.014
6/14/2018 10:07	0	0.014
6/14/2018 10:08	0	0.014
6/14/2018 10:09	0	0.014
6/14/2018 10:10	0	0.014
6/14/2018 10:11	0	0.017
6/14/2018 10:12	0	0.014
6/14/2018 10:13	0	0.014
6/14/2018 10:14	0	0.014
6/14/2018 10:15	0	0.013
6/14/2018 10:16	0	0.016
6/14/2018 10:17	0	0.015
6/14/2018 10:18	0	0.015
6/14/2018 10:19	0	0.015
6/14/2018 10:20	0	0.014
6/14/2018 10:21	0	0.015
6/14/2018 10:22	0	0.015
6/14/2018 10:23	0	0.014
6/14/2018 10:24	0	0.014

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 10:25	0	0.014
6/14/2018 10:26	0	0.015
6/14/2018 10:27	0	0.014
6/14/2018 10:28	0	0.013
6/14/2018 10:29	0	0.013
6/14/2018 10:30	0	0.014
6/14/2018 10:31	0	0.016
6/14/2018 10:32	0	0.017
6/14/2018 10:33	0	0.017
6/14/2018 10:34	0	0.017
6/14/2018 10:35	0	0.013
6/14/2018 10:36	0	0.013
6/14/2018 10:37	0	0.014
6/14/2018 10:38	0	0.017
6/14/2018 10:39	0	0.021
6/14/2018 10:40	0	0.014
6/14/2018 10:41	0	0.014
6/14/2018 10:42	0	0.014
6/14/2018 10:43	0	0.015
6/14/2018 10:44	0	0.013
6/14/2018 10:45	0	0.013
6/14/2018 10:46	0	0.013
6/14/2018 10:47	0	0.013
6/14/2018 10:48	0	0.014
6/14/2018 10:49	0	0.013
6/14/2018 10:50	0	0.014
6/14/2018 10:51	0	0.014
6/14/2018 10:52	0	0.018
6/14/2018 10:53	0	0.013
6/14/2018 10:54	0	0.018
6/14/2018 10:55	0	0.015
6/14/2018 10:56	0	0.014
6/14/2018 10:57	0	0.014
6/14/2018 10:58	0	0.015
6/14/2018 10:59	0	0.014
6/14/2018 11:00	0	0.018
6/14/2018 11:01	0	0.015
6/14/2018 11:02	0	0.018
6/14/2018 11:03	0	0.034
6/14/2018 11:04	0	0.016
6/14/2018 11:05	0	0.014
6/14/2018 11:06	0	0.015
6/14/2018 11:07	0	0.014
6/14/2018 11:08	0	0.014
6/14/2018 11:09	0	0.025
6/14/2018 11:10	0	0.026
6/14/2018 11:11	0	0.03
6/14/2018 11:12	0	0.025

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 11:13	0	0.02
6/14/2018 11:14	0	0.02
6/14/2018 11:15	0	0.015
6/14/2018 11:16	0	0.02
6/14/2018 11:17	0	0.013
6/14/2018 11:18	0	0.013
6/14/2018 11:19	0	0.014
6/14/2018 11:20	0	0.015
6/14/2018 11:21	0	0.014
6/14/2018 11:22	0	0.014
6/14/2018 11:23	0	0.025
6/14/2018 11:24	0	0.015
6/14/2018 11:25	0	0.015
6/14/2018 11:26	0	0.015
6/14/2018 11:27	0	0.014
6/14/2018 11:28	0	0.015
6/14/2018 11:29	0	0.014
6/14/2018 11:30	0	0.014
6/14/2018 11:31	0	0.014
6/14/2018 11:32	0	0.015
6/14/2018 11:33	0	0.014
6/14/2018 11:34	0	0.014
6/14/2018 11:35	0	0.014
6/14/2018 11:36	0	0.014
6/14/2018 11:37	0	0.016
6/14/2018 11:38	0	0.015
6/14/2018 11:39	0	0.014
6/14/2018 11:40	0	0.016
6/14/2018 11:41	0	0.015
6/14/2018 11:42	0	0.015
6/14/2018 11:43	0	0.019
6/14/2018 11:44	0	0.015
6/14/2018 11:45	0	0.014
6/14/2018 11:46	0	0.015
6/14/2018 11:47	0	0.015
6/14/2018 11:48	0	0.072
6/14/2018 11:49	0	0.014
6/14/2018 11:50	0	0.014
6/14/2018 11:51	0	0.014
6/14/2018 11:52	0	0.014
6/14/2018 11:53	0	0.014
6/14/2018 11:54	0	0.014
6/14/2018 11:55	0	0.014
6/14/2018 11:56	0	0.016
6/14/2018 11:57	0	0.016
6/14/2018 11:58	0	0.014
6/14/2018 11:59	0	0.014
6/14/2018 12:00	0	0.015

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/14/2018 12:01	0	0.015
6/14/2018 12:02	0	0.015
6/14/2018 12:03	0	0.017
6/14/2018 12:04	0	0.016
6/14/2018 12:05	0	0.015
6/14/2018 12:06	0	0.016
6/14/2018 12:07	0	0.016
6/14/2018 12:08	0	0.015
6/14/2018 12:09	0	0.015
6/14/2018 12:10	0	0.015
6/14/2018 12:11	0	0.015
6/14/2018 12:12	0	0.017
6/14/2018 12:13	0	0.015
6/14/2018 12:14	0	0.015
6/14/2018 12:15	0	0.015
6/14/2018 12:16	0	0.014
6/14/2018 12:17	0	0.015
6/14/2018 12:18	0	0.014
6/14/2018 12:19	0	0.014
6/14/2018 12:20	0	0.014
6/14/2018 12:21	0	0.015
6/14/2018 12:22	0	0.014
6/14/2018 12:23	0	0.015
6/14/2018 12:24	0	0.015
6/14/2018 12:25	0	0.015
6/14/2018 12:26	0	0.015
6/14/2018 12:27	0	0.015
6/14/2018 12:28	0	0.015

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 7:10		
6/19/2018 7:11	0.043	
6/19/2018 7:12	0.08	
6/19/2018 7:13	0.0907	0.009
6/19/2018 7:14	0.068	0.0095
6/19/2018 7:15		
6/19/2018 7:16	0.0578	
6/19/2018 7:17	0.0482	
6/19/2018 7:18	0.0413	0.0097
6/19/2018 7:19	0.0459	0.0098
6/19/2018 7:20	0.0408	0.0098
6/19/2018 7:21	0.0367	0.0098
6/19/2018 7:22	0.0334	0.0099
6/19/2018 7:23	0.0306	0.0099
6/19/2018 7:24	0.0282	0.0099
6/19/2018 7:25	0.0262	0.0099
6/19/2018 7:26	0.026	0.0099
6/19/2018 7:27	0.0224	0.0099
6/19/2018 7:28	0.0194	0.01
6/19/2018 7:29	0.0246	0.01
6/19/2018 7:30	0.0282	0.01
6/19/2018 7:31	0.0328	0.01
6/19/2018 7:32	0.0328	0.01
6/19/2018 7:33	0.0328	0.01
6/19/2018 7:34	0.0276	0.01
6/19/2018 7:35	0.0276	0.01
6/19/2018 7:36	0.0276	0.01
6/19/2018 7:37	0.0276	0.0101
6/19/2018 7:38	0.0276	0.0101
6/19/2018 7:39	0.0276	0.0102
6/19/2018 7:40	0.0276	0.0103
6/19/2018 7:41	0.0249	0.0103
6/19/2018 7:42	0.0205	0.0104
6/19/2018 7:43	0.0159	0.0105
6/19/2018 7:44	0.0109	0.0105
6/19/2018 7:45	0.0057	0.0107
6/19/2018 7:46	0	0.0108
6/19/2018 7:47	0	0.0109
6/19/2018 7:48	0	0.0109
6/19/2018 7:49	0	0.011
6/19/2018 7:50	0	0.0111
6/19/2018 7:51	0	0.0111
6/19/2018 7:52	0	0.0111
6/19/2018 7:53	0	0.0111
6/19/2018 7:54	0	0.0112
6/19/2018 7:55	0	0.0113
6/19/2018 7:56	0.0003	0.0114
6/19/2018 7:57	0.0007	0.0115

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 7:58	0.0012	0.0115
6/19/2018 7:59	0.0013	0.0116
6/19/2018 8:00	0.0018	0.0116
6/19/2018 8:01	0.0018	0.0116
6/19/2018 8:02	0.0018	0.0117
6/19/2018 8:03	0.0018	0.0117
6/19/2018 8:04	0.0018	0.0118
6/19/2018 8:05	0.0018	0.0119
6/19/2018 8:06	0.0018	0.0119
6/19/2018 8:07	0.0018	0.012
6/19/2018 8:08	0.0018	0.0121
6/19/2018 8:09	0.0018	0.0121
6/19/2018 8:10	0.0018	0.012
6/19/2018 8:11	0.0015	0.012
6/19/2018 8:12	0.0011	0.0121
6/19/2018 8:13	0.0006	0.0121
6/19/2018 8:14	0.0005	0.0122
6/19/2018 8:15	0	0.0123
6/19/2018 8:16	0	0.0124
6/19/2018 8:17	0	0.0125
6/19/2018 8:18	0	0.0125
6/19/2018 8:19	0	0.0126
6/19/2018 8:20	0	0.0126
6/19/2018 8:21	0	0.0126
6/19/2018 8:22	0	0.0127
6/19/2018 8:23	0	0.0127
6/19/2018 8:24	0	0.0127
6/19/2018 8:25	0	0.0127
6/19/2018 8:26	0	0.0128
6/19/2018 8:27	0	0.0128
6/19/2018 8:28	0	0.0128
6/19/2018 8:29	0	0.0128
6/19/2018 8:30	0	0.0128
6/19/2018 8:31	0	0.0127
6/19/2018 8:32	0	0.0127
6/19/2018 8:33	0	0.0127
6/19/2018 8:34	0	0.0127
6/19/2018 8:35	0	0.0128
6/19/2018 8:36	0	0.0129
6/19/2018 8:37	0	0.0129
6/19/2018 8:38	0	0.0129
6/19/2018 8:39	0	0.0131
6/19/2018 8:40	0	0.0131
6/19/2018 8:41	0	0.0131
6/19/2018 8:42	0	0.013
6/19/2018 8:43	0	0.0129
6/19/2018 8:44	0	0.0129
6/19/2018 8:45	0	0.0128

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 8:46	0	0.0127
6/19/2018 8:47	0	0.0127
6/19/2018 8:48	0	0.0126
6/19/2018 8:49	0	0.0125
6/19/2018 8:50	0	0.0125
6/19/2018 8:51	0	0.0124
6/19/2018 8:52	0	0.0124
6/19/2018 8:53	0	0.0124
6/19/2018 8:54	0	0.0123
6/19/2018 8:55	0	0.0123
6/19/2018 8:56	0	0.0123
6/19/2018 8:57	0	0.0124
6/19/2018 8:58	0	0.0125
6/19/2018 8:59	0	0.0125
6/19/2018 9:00	0	0.0126
6/19/2018 9:01	0	0.0127
6/19/2018 9:02	0	0.0127
6/19/2018 9:03	0	0.0128
6/19/2018 9:04	0	0.0129
6/19/2018 9:05	0	0.0129
6/19/2018 9:06	0	0.013
6/19/2018 9:07	0	0.0129
6/19/2018 9:08	0	0.0129
6/19/2018 9:09	0	0.0129
6/19/2018 9:10	0	0.0129
6/19/2018 9:11	0	0.0129
6/19/2018 9:12	0	0.0129
6/19/2018 9:13	0	0.0128
6/19/2018 9:14	0	0.0127
6/19/2018 9:15	0	0.0127
6/19/2018 9:16	0	0.0126
6/19/2018 9:17	0	0.0125
6/19/2018 9:18	0	0.0125
6/19/2018 9:19	0	0.0124
6/19/2018 9:20	0	0.0123
6/19/2018 9:21	0	0.0123
6/19/2018 9:22	0	0.0122
6/19/2018 9:23	0	0.0121
6/19/2018 9:24	0	0.0121
6/19/2018 9:25	0	0.0121
6/19/2018 9:26	0	0.0121
6/19/2018 9:27	0	0.0121
6/19/2018 9:28	0	0.0121
6/19/2018 9:29	0	0.0121
6/19/2018 9:30	0	0.0121
6/19/2018 9:31	0	0.0121
6/19/2018 9:32	0	0.0121
6/19/2018 9:33	0	0.0121

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 9:34	0	0.0121
6/19/2018 9:35	0	0.0121
6/19/2018 9:36	0	0.0121
6/19/2018 9:37	0	0.0122
6/19/2018 9:38	0	0.0122
6/19/2018 9:39	0	0.0121
6/19/2018 9:40	0	0.0121
6/19/2018 9:41	0	0.0121
6/19/2018 9:42	0	0.0121
6/19/2018 9:43	0	0.0121
6/19/2018 9:44	0	0.0121
6/19/2018 9:45	0	0.0121
6/19/2018 9:46	0	0.0121
6/19/2018 9:47	0	0.0121
6/19/2018 9:48	0	0.012
6/19/2018 9:49	0	0.012
6/19/2018 9:50	0	0.0119
6/19/2018 9:51	0	0.0119
6/19/2018 9:52	0	0.0118
6/19/2018 9:53	0	0.0117
6/19/2018 9:54	0	0.0117
6/19/2018 9:55	0	0.0117
6/19/2018 9:56	0	0.0119
6/19/2018 9:57	0	0.0119
6/19/2018 9:58	0	0.0119
6/19/2018 9:59	0	0.0118
6/19/2018 10:00	0	0.0117
6/19/2018 10:01	0	0.0117
6/19/2018 10:02	0	0.0117
6/19/2018 10:03	0	0.0117
6/19/2018 10:04	0	0.0116
6/19/2018 10:05	0	0.0116
6/19/2018 10:06	0	0.0116
6/19/2018 10:07	0	0.0116
6/19/2018 10:08	0	0.0116
6/19/2018 10:09	0	0.0116
6/19/2018 10:10	0	0.0115
6/19/2018 10:11	0	0.0112
6/19/2018 10:12	0	0.0112
6/19/2018 10:13	0	0.0112
6/19/2018 10:14	0	0.0113
6/19/2018 10:15	0	0.0113
6/19/2018 10:16	0	0.0113
6/19/2018 10:17	0	0.0113
6/19/2018 10:18	0	0.0114
6/19/2018 10:19	0	0.0115
6/19/2018 10:20	0	0.0115
6/19/2018 10:21	0	0.0116

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 10:22	0	0.0117
6/19/2018 10:23	0	0.0117
6/19/2018 10:24	0	0.0119
6/19/2018 10:25	0	0.0119
6/19/2018 10:26	0	0.0121
6/19/2018 10:27	0	0.0122
6/19/2018 10:28	0	0.0123
6/19/2018 10:29	0	0.0123
6/19/2018 10:30	0	0.0124
6/19/2018 10:31	0	0.0124
6/19/2018 10:32	0	0.0124
6/19/2018 10:33	0	0.0125
6/19/2018 10:34	0	0.0125
6/19/2018 10:35	0	0.0125
6/19/2018 10:36	0	0.0125
6/19/2018 10:37	0	0.0125
6/19/2018 10:38	0	0.0126
6/19/2018 10:39	0	0.0125
6/19/2018 10:40	0	0.0125
6/19/2018 10:41	0	0.0125
6/19/2018 10:42	0	0.0125
6/19/2018 10:43	0	0.0125
6/19/2018 10:44	0	0.0125
6/19/2018 10:45	0	0.0124
6/19/2018 10:46	0	0.0124
6/19/2018 10:47	0	0.0124
6/19/2018 10:48	0	0.0123
6/19/2018 10:49	0	0.0123
6/19/2018 10:50	0	0.0124
6/19/2018 10:51	0	0.0123
6/19/2018 10:52	0	0.0124
6/19/2018 10:53	0	0.0123
6/19/2018 10:54	0	0.0123
6/19/2018 10:55	0	0.0123
6/19/2018 10:56	0	0.0123
6/19/2018 10:57	0	0.0122
6/19/2018 10:58	0	0.0121
6/19/2018 10:59	0	0.0122
6/19/2018 11:00	0	0.0123
6/19/2018 11:01	0	0.0123
6/19/2018 11:02	0	0.0124
6/19/2018 11:03	0	0.0125
6/19/2018 11:04	0	0.0125
6/19/2018 11:05	0	0.0124
6/19/2018 11:06	0	0.0124
6/19/2018 11:07	0	0.0123
6/19/2018 11:08	0	0.0123
6/19/2018 11:09	0	0.0123

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 11:10	0	0.0123
6/19/2018 11:11	0	0.0123
6/19/2018 11:12	0	0.0123
6/19/2018 11:13	0	0.0123
6/19/2018 11:14	0	0.0123
6/19/2018 11:15	0	0.0123
6/19/2018 11:16	0	0.0122
6/19/2018 11:17	0	0.0122
6/19/2018 11:18	0	0.0122
6/19/2018 11:19	0	0.0123
6/19/2018 11:20	0	0.0123
6/19/2018 11:21	0	0.0125
6/19/2018 11:22	0	0.0126
6/19/2018 11:23	0	0.0127
6/19/2018 11:24	0	0.0128
6/19/2018 11:25	0	0.0129
6/19/2018 11:26	0	0.013
6/19/2018 11:27	0	0.0131
6/19/2018 11:28	0	0.0133
6/19/2018 11:29	0	0.0133
6/19/2018 11:30	0	0.0133
6/19/2018 11:31	0	0.0134
6/19/2018 11:32	0	0.0134
6/19/2018 11:33	0	0.0134
6/19/2018 11:34	0	0.0135
6/19/2018 11:35	0	0.0135
6/19/2018 11:36	0	0.0135
6/19/2018 11:37	0	0.0135
6/19/2018 11:38	0	0.0135
6/19/2018 11:39	0	0.0136
6/19/2018 11:40	0	0.0136
6/19/2018 11:41	0	0.0135
6/19/2018 11:42	0	0.0135
6/19/2018 11:43	0	0.0134
6/19/2018 11:44	0	0.0134
6/19/2018 11:45	0	0.0134
6/19/2018 11:46	0	0.0135
6/19/2018 11:47	0	0.0135
6/19/2018 11:48	0	0.0135
6/19/2018 11:49	0	0.0134
6/19/2018 11:50	0	0.0133
6/19/2018 11:51	0	0.0133
6/19/2018 11:52	0	0.0133
6/19/2018 11:53	0	0.0132
6/19/2018 11:54	0	0.0131
6/19/2018 11:55	0	0.0131
6/19/2018 11:56	0	0.0131
6/19/2018 11:57	0	0.0131

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 11:58	0	0.0132
6/19/2018 11:59	0	0.0133
6/19/2018 12:00	0	0.0133
6/19/2018 12:01	0	0.0132
6/19/2018 12:02	0	0.0132
6/19/2018 12:03	0	0.0132
6/19/2018 12:04	0	0.0132
6/19/2018 12:05	0	0.0133
6/19/2018 12:06	0	0.0133
6/19/2018 12:07	0	0.0133
6/19/2018 12:08	0	0.0134
6/19/2018 12:09	0	0.0135
6/19/2018 12:10	0	0.0135
6/19/2018 12:11	0	0.0136
6/19/2018 12:12	0	0.0137
6/19/2018 12:13	0	0.0137
6/19/2018 12:14	0	0.0137
6/19/2018 12:15	0	0.0137
6/19/2018 12:16	0	0.0138
6/19/2018 12:17	0	0.0139
6/19/2018 12:18	0	0.0139
6/19/2018 12:19	0	0.0139
6/19/2018 12:20	0	0.0138
6/19/2018 12:21	0	0.0137
6/19/2018 12:22	0	0.0137
6/19/2018 12:23	0	0.0135
6/19/2018 12:24	0	0.0135
6/19/2018 12:25	0	0.0134
6/19/2018 12:26	0	0.0133
6/19/2018 12:27	0	0.0133
6/19/2018 12:28	0	0.0132
6/19/2018 12:29	0	0.0132
6/19/2018 12:30	0	0.0132
6/19/2018 12:31	0	0.0132
6/19/2018 12:32	0	0.0132
6/19/2018 12:33	0	0.0133
6/19/2018 12:34	0	0.0133
6/19/2018 12:35	0	0.0133
6/19/2018 12:36	0	0.0133
6/19/2018 12:37	0	0.0134
6/19/2018 12:38	0	0.0135
6/19/2018 12:39	0	0.0135
6/19/2018 12:40	0	0.0135
6/19/2018 12:41	0	0.0135
6/19/2018 12:42	0	0.0135
6/19/2018 12:43	0	0.0135
6/19/2018 12:44	0	0.0134
6/19/2018 12:45	0	0.0133

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 12:46	0	0.0133
6/19/2018 12:47	0	0.0132
6/19/2018 12:48	0	0.0131
6/19/2018 12:49	0	0.0131
6/19/2018 12:50	0	0.0131
6/19/2018 12:51	0	0.0131
6/19/2018 12:52	0	0.0131
6/19/2018 12:53	0	0.0131
6/19/2018 12:54	0	0.0131
6/19/2018 12:55	0	0.0131
6/19/2018 12:56	0	0.0131
6/19/2018 12:57	0	0.013
6/19/2018 12:58	0	0.0129
6/19/2018 12:59	0	0.0128
6/19/2018 13:00	0	0.0127
6/19/2018 13:01	0	0.0127
6/19/2018 13:02	0	0.0126
6/19/2018 13:03	0	0.0125
6/19/2018 13:04	0	0.0125
6/19/2018 13:05	0	0.0125
6/19/2018 13:06	0	0.0125
6/19/2018 13:07	0	0.0125
6/19/2018 13:08	0	0.0125
6/19/2018 13:09	0	0.0125
6/19/2018 13:10	0	0.0125
6/19/2018 13:11	0	0.0125
6/19/2018 13:12	0	0.0126
6/19/2018 13:13	0	0.0127
6/19/2018 13:14	0	0.0128
6/19/2018 13:15	0	0.0129
6/19/2018 13:16	0	0.0129
6/19/2018 13:17	0	0.0129
6/19/2018 13:18	0	0.0129
6/19/2018 13:19	0	0.0129
6/19/2018 13:20	0	0.0128
6/19/2018 13:21	0	0.0127
6/19/2018 13:22	0	0.0126
6/19/2018 13:23	0	0.0125
6/19/2018 13:24	0	0.0125
6/19/2018 13:25	0	0.0124
6/19/2018 13:26	0	0.0123
6/19/2018 13:27	0	0.0123
6/19/2018 13:28	0	0.0122
6/19/2018 13:29	0	0.0122
6/19/2018 13:30	0	0.0122
6/19/2018 13:31	0	0.0122
6/19/2018 13:32	0	0.0122
6/19/2018 13:33	0	0.0121

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/19/2018 13:34	0	0.012
6/19/2018 13:35	0	0.0119
6/19/2018 13:36	0	0.0119
6/19/2018 13:37	0	0.0118
6/19/2018 13:38	0	0.0118
6/19/2018 13:39	0	0.0117
6/19/2018 13:40	0	0.0117
6/19/2018 13:41	0	0.0116
6/19/2018 13:42	0	0.0115
6/19/2018 13:43	0	0.0113
6/19/2018 13:44	0	0.0112
6/19/2018 13:45	0	0.0111
6/19/2018 13:46	0	0.011
6/19/2018 13:47	0	0.0109
6/19/2018 13:48	0	0.0108
6/19/2018 13:49	0	0.0107
6/19/2018 13:50	0	0.0107
6/19/2018 13:51	0	0.0107
6/19/2018 13:52	0	0.0106
43270.57847	0	0.0105
43270.57917	0	0.0105
43270.57986	0	0.0104
43270.58056	0	0.0103
43270.58125	0	0.0103
43270.58194	0	0.0103
43270.58264	0	0.0103
43270.58333	0	0.0102
43270.58403	0	0.0101
43270.58472	0	0.0101
43270.58542	0	0.0101
43270.58611	0	0.0101
43270.58681	0	0.0101
43270.5875	0	0.0101
43270.58819	0	0.0101
43270.58889	0	0.0101
43270.58958	0	0.01
43270.59028	0	0.01
43270.59097	0	0.01
43270.59167	0	0.01
43270.59236	0	0.01
43270.59306	0	0.01
43270.59375	0	0.01
43270.59444	0	0.0101
43270.59514	0	0.0101
43270.59583	0	0.0102
43270.59653	0	0.0103
43270.59722	0	0.0103
43270.59792	0	0.0104

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
43270.59861	0	0.0105
43270.59931	0	0.0105
43270.6	0	0.0105
43270.60069	0	0.0105
43270.60139	0	0.0105
43270.60208	0	0.0105
43270.60278	0	0.0105
43270.60347	0	0.0106
43270.60417	0	0.0106
43270.60486	0	0.0106
43270.60556	0	0.0106
43270.60625	0	0.0105
43270.60694	0	0.0105
43270.60764	0	0.0105
43270.60833	0	0.0105
43270.60903	0	0.0105
43270.60972	0	0.0105
43270.61042	0	0.0105
43270.61111	0	0.0105
43270.61181	0	0.0106
43270.6125	0	0.0107
43270.61319	0	0.0107
43270.61389	0	0.0107
43270.61458	0	0.0108
43270.61528	0	0.0107
43270.61597	0	0.0107
43270.61667	0	0.0107
43270.61736	0	0.0107
43270.61806	0	0.0107
43270.61875	0	0.0107
43270.61944	0	0.0107
43270.62014	0	0.0107
43270.62083	0	0.0107
43270.62153	0	0.0108
43270.62222	0	0.0108
43270.62292	0	0.0108
43270.62361	0	0.0108
43270.62431	0	0.0108
43270.625	0	0.0108
43270.62569	0	0.0109
43270.62639	0	0.0109
43270.62708	0	0.011
43270.62778	0	0.011

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 7:07	0	
6/22/2018 7:08	0	
6/22/2018 7:09	0	0.011
6/22/2018 7:10	0	0.0105
6/22/2018 7:11	0	0.011
6/22/2018 7:12	0	0.011
6/22/2018 7:13	0	0.011
6/22/2018 7:14	0	0.0108
6/22/2018 7:15	0	0.0109
6/22/2018 7:16	0	0.0109
6/22/2018 7:17	0	0.0108
6/22/2018 7:18	0	0.0107
6/22/2018 7:19	0	0.0106
6/22/2018 7:20	0	0.0105
6/22/2018 7:21	0	0.0105
6/22/2018 7:22	0	0.0105
6/22/2018 7:23	0	0.0105
6/22/2018 7:24	0	0.0105
6/22/2018 7:25	0	0.0105
6/22/2018 7:26	0	0.0103
6/22/2018 7:27	0	0.0103
6/22/2018 7:28	0	0.0102
6/22/2018 7:29	0	0.0102
6/22/2018 7:30	0	0.0101
6/22/2018 7:31	0	0.0101
6/22/2018 7:32	0	0.01
6/22/2018 7:33	0	0.0099
6/22/2018 7:34	0	0.0099
6/22/2018 7:35	0	0.01
6/22/2018 7:36	0	0.0099
6/22/2018 7:37	0	0.0099
6/22/2018 7:38	0	0.0097
6/22/2018 7:39	0	0.0097
6/22/2018 7:40	0	0.0097
6/22/2018 7:41	0	0.01
6/22/2018 7:42	0	0.012
6/22/2018 7:43	0	0.0137
6/22/2018 7:44	0	0.0137
6/22/2018 7:45	0	0.0137
6/22/2018 7:46	0	0.0137
6/22/2018 7:47	0	0.0138
6/22/2018 7:48	0	0.0139
6/22/2018 7:49	0	0.014
6/22/2018 7:50	0	0.0141
6/22/2018 7:51	0	0.0141
6/22/2018 7:52	0	0.0141
6/22/2018 7:53	0	0.0141
6/22/2018 7:54	0	0.0141

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 7:55	0	0.014
6/22/2018 7:56	0	0.0136
6/22/2018 7:57	0	0.0115
6/22/2018 7:58	0	0.0097
6/22/2018 7:59	0	0.0097
6/22/2018 8:00	0	0.0096
6/22/2018 8:01	0	0.0095
6/22/2018 8:02	0	0.0095
6/22/2018 8:03	0	0.0094
6/22/2018 8:04	0	0.0094
6/22/2018 8:05	0	0.0093
6/22/2018 8:06	0	0.0093
6/22/2018 8:07	0	0.0094
6/22/2018 8:08	0	0.0095
6/22/2018 8:09	0	0.0096
6/22/2018 8:10	0	0.0097
6/22/2018 8:11	0	0.0098
6/22/2018 8:12	0	0.0099
6/22/2018 8:13	0	0.01
6/22/2018 8:14	0	0.0101
6/22/2018 8:15	0	0.0103
6/22/2018 8:16	0	0.0104
6/22/2018 8:17	0	0.0105
6/22/2018 8:18	0	0.0105
6/22/2018 8:19	0	0.0105
6/22/2018 8:20	0	0.0105
6/22/2018 8:21	0	0.0106
6/22/2018 8:22	0	0.0107
6/22/2018 8:23	0	0.0107
6/22/2018 8:24	0	0.0107
6/22/2018 8:25	0	0.0107
6/22/2018 8:26	0	0.0108
6/22/2018 8:27	0	0.0109
6/22/2018 8:28	0	0.0109
6/22/2018 8:29	0	0.0109
6/22/2018 8:30	0	0.0109
6/22/2018 8:31	0	0.0109
6/22/2018 8:32	0	0.0109
6/22/2018 8:33	0	0.0111
6/22/2018 8:34	0	0.0111
6/22/2018 8:35	0	0.0111
6/22/2018 8:36	0	0.0111
6/22/2018 8:37	0	0.0112
6/22/2018 8:38	0	0.0112
6/22/2018 8:39	0	0.0113
6/22/2018 8:40	0	0.0113
6/22/2018 8:41	0	0.0113
6/22/2018 8:42	0	0.0113

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 8:43	0	0.0113
6/22/2018 8:44	0	0.0113
6/22/2018 8:45	0	0.0113
6/22/2018 8:46	0	0.0113
6/22/2018 8:47	0	0.0113
6/22/2018 8:48	0	0.0113
6/22/2018 8:49	0	0.0113
6/22/2018 8:50	0	0.0113
6/22/2018 8:51	0	0.0113
6/22/2018 8:52	0	0.0113
6/22/2018 8:53	0	0.0114
6/22/2018 8:54	0	0.0113
6/22/2018 8:55	0	0.0113
6/22/2018 8:56	0	0.0113
6/22/2018 8:57	0	0.0114
6/22/2018 8:58	0	0.0115
6/22/2018 8:59	0	0.0115
6/22/2018 9:00	0	0.0115
6/22/2018 9:01	0	0.0115
6/22/2018 9:02	0	0.0116
6/22/2018 9:03	0	0.0116
6/22/2018 9:04	0	0.0117
6/22/2018 9:05	0	0.0117
6/22/2018 9:06	0	0.0117
6/22/2018 9:07	0	0.0117
6/22/2018 9:08	0	0.0117
6/22/2018 9:09	0	0.0117
6/22/2018 9:10	0	0.0117
6/22/2018 9:11	0	0.0117
6/22/2018 9:12	0	0.0116
6/22/2018 9:13	0	0.0116
6/22/2018 9:14	0	0.0117
6/22/2018 9:15	0	0.0116
6/22/2018 9:16	0	0.0115
6/22/2018 9:17	0	0.0115
6/22/2018 9:18	0	0.0115
6/22/2018 9:19	0	0.0115
6/22/2018 9:20	0	0.0114
6/22/2018 9:21	0	0.0113
6/22/2018 9:22	0	0.0113
6/22/2018 9:23	0	0.0113
6/22/2018 9:24	0	0.0112
6/22/2018 9:25	0	0.0112
6/22/2018 9:26	0	0.0113
6/22/2018 9:27	0	0.0113
6/22/2018 9:28	0	0.0114
6/22/2018 9:29	0	0.0114
6/22/2018 9:30	0	0.0113

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 9:31	0	0.0113
6/22/2018 9:32	0	0.0113
6/22/2018 9:33	0	0.0113
6/22/2018 9:34	0	0.0111
6/22/2018 9:35	0	0.0111
6/22/2018 9:36	0	0.0111
6/22/2018 9:37	0	0.0111
6/22/2018 9:38	0	0.0111
6/22/2018 9:39	0	0.011
6/22/2018 9:40	0	0.0109
6/22/2018 9:41	0	0.0108
6/22/2018 9:42	0	0.0107
6/22/2018 9:43	0	0.0105
6/22/2018 9:44	0	0.0103
6/22/2018 9:45	0	0.0103
6/22/2018 9:46	0	0.0103
6/22/2018 9:47	0	0.0103
6/22/2018 9:48	0	0.0102
6/22/2018 9:49	0	0.0102
6/22/2018 9:50	0	0.0102
6/22/2018 9:51	0	0.0101
6/22/2018 9:52	0	0.0101
6/22/2018 9:53	0	0.0101
6/22/2018 9:54	0	0.0102
6/22/2018 9:55	0	0.0102
6/22/2018 9:56	0	0.0102
6/22/2018 9:57	0	0.0102
6/22/2018 9:58	0	0.0102
6/22/2018 9:59	0	0.0102
6/22/2018 10:00	0	0.0102
6/22/2018 10:01	0	0.0103
6/22/2018 10:02	0	0.0103
6/22/2018 10:03	0	0.0103
6/22/2018 10:04	0	0.0104
6/22/2018 10:05	0	0.0105
6/22/2018 10:06	0	0.0105
6/22/2018 10:07	0	0.0104
6/22/2018 10:08	0	0.0104
6/22/2018 10:09	0	0.0103
6/22/2018 10:10	0	0.0104
6/22/2018 10:11	0	0.0104
6/22/2018 10:12	0	0.0105
6/22/2018 10:13	0	0.0106
6/22/2018 10:14	0	0.0107
6/22/2018 10:15	0	0.0107
6/22/2018 10:16	0	0.0107
6/22/2018 10:17	0	0.0106
6/22/2018 10:18	0	0.0107

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 10:19	0	0.0106
6/22/2018 10:20	0	0.0105
6/22/2018 10:21	0	0.0106
6/22/2018 10:22	0	0.0107
6/22/2018 10:23	0	0.0106
6/22/2018 10:24	0	0.0107
6/22/2018 10:25	0	0.0107
6/22/2018 10:26	0	0.0107
6/22/2018 10:27	0	0.0107
6/22/2018 10:28	0	0.0106
6/22/2018 10:29	0	0.0106
6/22/2018 10:30	0	0.0106
6/22/2018 10:31	0	0.0106
6/22/2018 10:32	0	0.0107
6/22/2018 10:33	0	0.0107
6/22/2018 10:34	0	0.0107
6/22/2018 10:35	0	0.0108
6/22/2018 10:36	0	0.0108
6/22/2018 10:37	0	0.0108
6/22/2018 10:38	0	0.0109
6/22/2018 10:39	0	0.011
6/22/2018 10:40	0	0.011
6/22/2018 10:41	0	0.011
6/22/2018 10:42	0	0.0111
6/22/2018 10:43	0	0.0111
6/22/2018 10:44	0	0.0111
6/22/2018 10:45	0	0.0112
6/22/2018 10:46	0	0.0112
6/22/2018 10:47	0	0.0113
6/22/2018 10:48	0	0.0113
6/22/2018 10:49	0	0.0113
6/22/2018 10:50	0	0.0113
6/22/2018 10:51	0	0.0113
6/22/2018 10:52	0	0.0113
6/22/2018 10:53	0	0.0113
6/22/2018 10:54	0	0.0113
6/22/2018 10:55	0	0.0113
6/22/2018 10:56	0	0.0113
6/22/2018 10:57	0	0.0113
6/22/2018 10:58	0	0.0113
6/22/2018 10:59	0	0.0114
6/22/2018 11:00	0	0.0115
6/22/2018 11:01	0	0.0116
6/22/2018 11:02	0	0.0117
6/22/2018 11:03	0	0.0117
6/22/2018 11:04	0	0.0118
6/22/2018 11:05	0	0.0119
6/22/2018 11:06	0	0.0119

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 11:07	0	0.012
6/22/2018 11:08	0	0.0121
6/22/2018 11:09	0	0.0121
6/22/2018 11:10	0	0.0122
6/22/2018 11:11	0	0.0123
6/22/2018 11:12	0	0.0124
6/22/2018 11:13	0	0.0125
6/22/2018 11:14	0	0.0127
6/22/2018 11:15	0	0.0127
6/22/2018 11:16	0	0.0126
6/22/2018 11:17	0	0.0125
6/22/2018 11:18	0	0.0125
6/22/2018 11:19	0	0.0125
6/22/2018 11:20	0	0.0125
6/22/2018 11:21	0	0.0125
6/22/2018 11:22	0	0.0125
6/22/2018 11:23	0	0.0124
6/22/2018 11:24	0	0.0124
6/22/2018 11:25	0	0.0123
6/22/2018 11:26	0	0.0122
6/22/2018 11:27	0	0.0121
6/22/2018 11:28	0	0.0121
6/22/2018 11:29	0	0.012
6/22/2018 11:30	0	0.0121
6/22/2018 11:31	0	0.0122
6/22/2018 11:32	0	0.0122
6/22/2018 11:33	0	0.0123
6/22/2018 11:34	0	0.0123
6/22/2018 11:35	0	0.0123
6/22/2018 11:36	0	0.0124
6/22/2018 11:37	0	0.0125
6/22/2018 11:38	0	0.0125
6/22/2018 11:39	0	0.0125
6/22/2018 11:40	0	0.0129
6/22/2018 11:41	0	0.0129
6/22/2018 11:42	0	0.0131
6/22/2018 11:43	0	0.0131
6/22/2018 11:44	0	0.0131
6/22/2018 11:45	0	0.013
6/22/2018 11:46	0	0.013
6/22/2018 11:47	0	0.0131
6/22/2018 11:48	0	0.0131
6/22/2018 11:49	0	0.0131
6/22/2018 11:50	0	0.0131
6/22/2018 11:51	0	0.013
6/22/2018 11:52	0	0.013
6/22/2018 11:53	0	0.0131
6/22/2018 11:54	0	0.013

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 11:55	0	0.0127
6/22/2018 11:56	0	0.0127
6/22/2018 11:57	0	0.0127
6/22/2018 11:58	0	0.0126
6/22/2018 11:59	0	0.0125
6/22/2018 12:00	0	0.0125
6/22/2018 12:01	0	0.0124
6/22/2018 12:02	0	0.0123
6/22/2018 12:03	0	0.0123
6/22/2018 12:04	0	0.0123
6/22/2018 12:05	0	0.0123
6/22/2018 12:06	0	0.0123
6/22/2018 12:07	0	0.0122
6/22/2018 12:08	0	0.0122
6/22/2018 12:09	0	0.0123
6/22/2018 12:10	0	0.0124
6/22/2018 12:11	0	0.0124
6/22/2018 12:12	0	0.0125
6/22/2018 12:13	0	0.0125
6/22/2018 12:14	0	0.0126
6/22/2018 12:15	0	0.0127
6/22/2018 12:16	0	0.0128
6/22/2018 12:17	0	0.0129
6/22/2018 12:18	0	0.0129
6/22/2018 12:19	0	0.0129
6/22/2018 12:20	0	0.013
6/22/2018 12:21	0	0.0131
6/22/2018 12:22	0	0.0131
6/22/2018 12:23	0	0.0131
6/22/2018 12:24	0	0.0131
6/22/2018 12:25	0	0.0131
6/22/2018 12:26	0	0.0131
6/22/2018 12:27	0	0.0131
6/22/2018 12:28	0	0.0131
6/22/2018 12:29	0	0.0131
6/22/2018 12:30	0	0.0131
6/22/2018 12:31	0	0.0132
6/22/2018 12:32	0	0.0133
6/22/2018 12:33	0	0.0134
6/22/2018 12:34	0	0.0135
6/22/2018 12:35	0	0.0135
6/22/2018 12:36	0	0.0137
6/22/2018 12:37	0	0.0139
6/22/2018 12:38	0	0.0139
6/22/2018 12:39	0	0.0141
6/22/2018 12:40	0	0.0141
6/22/2018 12:41	0	0.0142
6/22/2018 12:42	0	0.0143

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 12:43	0	0.0145
6/22/2018 12:44	0	0.0146
6/22/2018 12:45	0	0.0146
6/22/2018 12:46	0	0.0147
6/22/2018 12:47	0	0.0147
6/22/2018 12:48	0	0.0147
6/22/2018 12:49	0	0.0148
6/22/2018 12:50	0	0.0149
6/22/2018 12:51	0	0.0149
6/22/2018 12:52	0	0.0147
6/22/2018 12:53	0	0.0148
6/22/2018 12:54	0	0.0148
6/22/2018 12:55	0	0.0149
6/22/2018 12:56	0	0.0149
6/22/2018 12:57	0	0.0148
6/22/2018 12:58	0	0.0148
6/22/2018 12:59	0	0.0148
6/22/2018 13:00	0	0.0149
6/22/2018 13:01	0	0.0149
6/22/2018 13:02	0	0.0148
6/22/2018 13:03	0	0.0147
6/22/2018 13:04	0	0.0147
6/22/2018 13:05	0	0.0146
6/22/2018 13:06	0	0.0145
6/22/2018 13:07	0	0.0146
6/22/2018 13:08	0	0.0146
6/22/2018 13:09	0	0.0146
6/22/2018 13:10	0	0.0146
6/22/2018 13:11	0	0.0146
6/22/2018 13:12	0	0.0147
6/22/2018 13:13	0	0.0147
6/22/2018 13:14	0	0.0147
6/22/2018 13:15	0	0.0147
6/22/2018 13:16	0	0.0147
6/22/2018 13:17	0	0.0147
6/22/2018 13:18	0	0.0149
6/22/2018 13:19	0	0.0149
6/22/2018 13:20	0	0.015
6/22/2018 13:21	0	0.0151
6/22/2018 13:22	0	0.0151
6/22/2018 13:23	0	0.0152
6/22/2018 13:24	0	0.0152
6/22/2018 13:25	0	0.0153
6/22/2018 13:26	0	0.0153
6/22/2018 13:27	0	0.0153
6/22/2018 13:28	0	0.0153
6/22/2018 13:29	0	0.0153
6/22/2018 13:30	0	0.0154

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 13:31	0	0.0154
6/22/2018 13:32	0	0.0155
6/22/2018 13:33	0	0.0154
6/22/2018 13:34	0	0.0154
6/22/2018 13:35	0	0.0154
6/22/2018 13:36	0	0.0155
6/22/2018 13:37	0	0.0154
6/22/2018 13:38	0	0.0153
6/22/2018 13:39	0	0.0153
6/22/2018 13:40	0	0.0153
6/22/2018 13:41	0	0.0153
6/22/2018 13:42	0	0.0153
6/22/2018 13:43	0	0.0154
6/22/2018 13:44	0	0.0156
6/22/2018 13:45	0	0.0156
6/22/2018 13:46	0	0.0157
6/22/2018 13:47	0	0.0156
6/22/2018 13:48	0	0.0156
6/22/2018 13:49	0	0.0156
6/22/2018 13:50	0	0.0157
6/22/2018 13:51	0	0.0156
6/22/2018 13:52	0	0.0157
6/22/2018 13:53	0	0.0157
6/22/2018 13:54	0	0.0158
6/22/2018 13:55	0	0.0159
6/22/2018 13:56	0	0.0159
6/22/2018 13:57	0	0.0159
6/22/2018 13:58	0	0.0158
6/22/2018 13:59	0	0.0157
6/22/2018 14:00	0	0.0157
6/22/2018 14:01	0	0.0157
6/22/2018 14:02	0	0.0157
6/22/2018 14:03	0	0.0158
6/22/2018 14:04	0	0.0159
6/22/2018 14:05	0	0.0159
6/22/2018 14:06	0	0.0159
6/22/2018 14:07	0	0.0159
6/22/2018 14:08	0	0.0159
6/22/2018 14:09	0	0.016
6/22/2018 14:10	0	0.0161
6/22/2018 14:11	0	0.0161
6/22/2018 14:12	0	0.0162
6/22/2018 14:13	0	0.0162
6/22/2018 14:14	0	0.0163
6/22/2018 14:15	0	0.0163
6/22/2018 14:16	0	0.0163
6/22/2018 14:17	0	0.0163
6/22/2018 14:18	0	0.0163

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 14:19	0	0.0163
6/22/2018 14:20	0	0.0163
6/22/2018 14:21	0	0.0164
6/22/2018 14:22	0	0.0164
6/22/2018 14:23	0	0.0164
6/22/2018 14:24	0	0.0164
6/22/2018 14:25	0	0.0163
6/22/2018 14:26	0	0.0163
6/22/2018 14:27	0	0.0163
6/22/2018 14:28	0	0.0164
6/22/2018 14:29	0	0.0163
6/22/2018 14:30	0	0.0164
6/22/2018 14:31	0	0.0164
6/22/2018 14:32	0	0.0165
6/22/2018 14:33	0	0.0165
6/22/2018 14:34	0	0.0166
6/22/2018 14:35	0	0.0166
6/22/2018 14:36	0	0.0167
6/22/2018 14:37	0	0.0167
6/22/2018 14:38	0	0.0168
6/22/2018 14:39	0	0.0168
6/22/2018 14:40	0	0.0169
6/22/2018 14:41	0	0.017
6/22/2018 14:42	0	0.0171
6/22/2018 14:43	0	0.0171
6/22/2018 14:44	0	0.0172
6/22/2018 14:45	0	0.0172
6/22/2018 14:46	0	0.0173
6/22/2018 14:47	0	0.0173
6/22/2018 14:48	0	0.0173
6/22/2018 14:49	0	0.0173
6/22/2018 14:50	0	0.0173
6/22/2018 14:51	0	0.0173
6/22/2018 14:52	0	0.0173
6/22/2018 14:53	0	0.0173
6/22/2018 14:54	0	0.0173
6/22/2018 14:55	0	0.0172
6/22/2018 14:56	0	0.0172
6/22/2018 14:57	0	0.0171
6/22/2018 14:58	0	0.0172
6/22/2018 14:59	0	0.0172
6/22/2018 15:00	0	0.0172
6/22/2018 15:01	0	0.0172
6/22/2018 15:02	0	0.0171
6/22/2018 15:03	0	0.0171
6/22/2018 15:04	0	0.0171
6/22/2018 15:05	0	0.0171
6/22/2018 15:06	0	0.0171

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 15:07	0	0.0171
6/22/2018 15:08	0	0.0172
6/22/2018 15:09	0	0.0172
6/22/2018 15:10	0	0.0173
6/22/2018 15:11	0	0.0173
6/22/2018 15:12	0	0.0173
6/22/2018 15:13	0	0.0173
6/22/2018 15:14	0	0.0173
6/22/2018 15:15	0	0.0175
6/22/2018 15:16	0	0.0176
6/22/2018 15:17	0	0.0177
6/22/2018 15:18	0	0.0179
6/22/2018 15:19	0	0.0179
6/22/2018 15:20	0	0.018
6/22/2018 15:21	0	0.0181
6/22/2018 15:22	0	0.0181
6/22/2018 15:23	0	0.0181
6/22/2018 15:24	0	0.0182
6/22/2018 15:25	0	0.0181
6/22/2018 15:26	0	0.0182
6/22/2018 15:27	0	0.0181
6/22/2018 15:28	0	0.0181
6/22/2018 15:29	0	0.0182
6/22/2018 15:30	0	0.0181
6/22/2018 15:31	0	0.0181
6/22/2018 15:32	0	0.0181
6/22/2018 15:33	0	0.0181
6/22/2018 15:34	0	0.0182
6/22/2018 15:35	0	0.0183
6/22/2018 15:36	0	0.0184
6/22/2018 15:37	0	0.0185
6/22/2018 15:38	0	0.0185
6/22/2018 15:39	0	0.0185
6/22/2018 15:40	0	0.0187
6/22/2018 15:41	0	0.0187
6/22/2018 15:42	0	0.0188
6/22/2018 15:43	0	0.0188
6/22/2018 15:44	0	0.0187
6/22/2018 15:45	0	0.0187
6/22/2018 15:46	0	0.0189
6/22/2018 15:47	0	0.0188
6/22/2018 15:48	0	0.0187
6/22/2018 15:49	0	0.0187
6/22/2018 15:50	0	0.0186
6/22/2018 15:51	0	0.0185
6/22/2018 15:52	0	0.0185
6/22/2018 15:53	0	0.0187
6/22/2018 15:54	0	0.0187

DOWNWIND

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/22/2018 15:55	0	0.0187
6/22/2018 15:56	0	0.0186
6/22/2018 15:57	0	0.0186
6/22/2018 15:58	0	0.0187
6/22/2018 15:59	0	0.0187
6/22/2018 16:00	0	0.0187
6/22/2018 16:01	0	0.0185
6/22/2018 16:02	0	0.0185
6/22/2018 16:03	0	0.0185
6/22/2018 16:04	0	0.0185
6/22/2018 16:05	0	0.0185
6/22/2018 16:06	0	0.0185
6/22/2018 16:07	0	0.0185
6/22/2018 16:08	0	0.0183
6/22/2018 16:09	0	0.0183
6/22/2018 16:10	0	0.0182
6/22/2018 16:11	0	0.0183
6/22/2018 16:12	0	0.0183
6/22/2018 16:13	0	0.0182
6/22/2018 16:14	0	0.0183
6/22/2018 16:15	0	0.0183
6/22/2018 16:16	0	0.0182
6/22/2018 16:17	0	0.0183
6/22/2018 16:18	0	0.0183
6/22/2018 16:19	0	0.0185
6/22/2018 16:20	0	0.0185
6/22/2018 16:21	0	0.0187
6/22/2018 16:22	0	0.0187
6/22/2018 16:23	0	0.0188
6/22/2018 16:24	0	0.0189
6/22/2018 16:25	0	0.0189
6/22/2018 16:26	0	0.019
6/22/2018 16:27	0	0.0191
6/22/2018 16:28	0	0.0193
6/22/2018 16:29	0	0.0193
6/22/2018 16:30	0	0.0194
6/22/2018 16:31	0	0.0195
6/22/2018 16:32	0	0.0196
6/22/2018 16:33	0	0.0197
6/22/2018 16:34	0	0.0196
6/22/2018 16:35	0	0.0197
6/22/2018 16:36	0	0.0197
6/22/2018 16:37	0	0.0197
6/22/2018 16:38	0	0.0199
6/22/2018 16:39	0	0.0199

Downwind

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³) (Manual Measurments)
6/27/2018 7:28	0	
6/27/2018 7:33	0	
6/27/2018 7:38	0	
6/27/2018 7:43	0	
6/27/2018 7:48	0	
6/27/2018 7:53	0	
6/27/2018 7:58	0	
6/27/2018 8:03	0	
6/27/2018 8:08	0	
6/27/2018 8:13	0	
6/27/2018 8:18	0	
6/27/2018 8:23	0	
6/27/2018 8:28	0	
6/27/2018 8:33	0	
6/27/2018 8:38	0	
6/27/2018 8:43	0	
6/27/2018 8:48	0	
6/27/2018 8:53	0	
6/27/2018 8:58	0	0.027
6/27/2018 9:03	0	
6/27/2018 9:08	0	
6/27/2018 9:13	0	
6/27/2018 9:18	0	
6/27/2018 9:23	0	
6/27/2018 9:28	0	
6/27/2018 9:33	0	
6/27/2018 9:38	0	
6/27/2018 9:43	0	
6/27/2018 9:48	0	
6/27/2018 9:53	0	
6/27/2018 9:58	0	0.026
6/27/2018 10:03	0	
6/27/2018 10:08	0	
6/27/2018 10:13	0	
6/27/2018 10:18	0	
6/27/2018 10:23	0	
6/27/2018 10:28	0	
6/27/2018 10:33	0	
6/27/2018 10:38	0	
6/27/2018 10:43	0	
6/27/2018 10:48	0	
6/27/2018 10:53	0	
6/27/2018 10:58	0	0.015
6/27/2018 11:03	0	
6/27/2018 11:08	0	
6/27/2018 11:13	0	
6/27/2018 11:18	0	
6/27/2018 11:23	0	
6/27/2018 11:28	0	
6/27/2018 11:33	0	
6/27/2018 11:38	0	
6/27/2018 11:43	0	
6/27/2018 11:48	0	
6/27/2018 11:53	0	
6/27/2018 11:58	0	0.013
6/27/2018 12:03	0	
6/27/2018 12:08	0	
6/27/2018 12:13	0	
6/27/2018 12:18	0	
6/27/2018 12:23	0	
6/27/2018 12:28	0	

Downwind

Time	VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³) (Manual Measurments)
6/27/2018 12:33	0	
6/27/2018 12:38	0	
6/27/2018 12:43	0	
6/27/2018 12:48	0	
6/27/2018 12:53	0	
6/27/2018 12:58	0	
6/27/2018 13:03	0	
6/27/2018 13:08	0	
6/27/2018 13:13	0	
6/27/2018 13:18	0	
6/27/2018 13:23	0	
6/27/2018 13:28	0	
6/27/2018 13:33	0	
6/27/2018 13:38	0	
6/27/2018 13:43	0	
6/27/2018 13:48	0	
6/27/2018 13:53	0	
6/27/2018 13:58	0	
6/27/2018 14:03	0	
6/27/2018 14:08	0	
6/27/2018 14:13	0	
6/27/2018 14:18	0	
6/27/2018 14:23	0	
6/27/2018 14:28	0	
6/27/2018 14:33	0	
6/27/2018 14:38	0	
6/27/2018 14:43	0	
6/27/2018 14:48	0	
6/27/2018 14:53	0	
6/27/2018 14:58	0	
6/27/2018 15:03	0	
6/27/2018 15:08	0	
6/27/2018 15:13	0	
6/27/2018 15:18	0	
6/27/2018 15:23	0	
6/27/2018 15:28	0	
6/27/2018 15:33	0	
6/27/2018 15:38	0	
6/27/2018 15:43	0	

DOWNWIND

Time		VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018	7:13:52	0.2	0.035
6/28/2018	7:14:52	0.1	0.042
6/28/2018	7:15:52	0	0.043
6/28/2018	7:16:52	0	0.045
6/28/2018	7:17:52	0	0.047
6/28/2018	7:18:52	0	0.046
6/28/2018	7:19:52	0	0.048
6/28/2018	7:20:52	0	0.048
6/28/2018	7:21:52	0	0.049
6/28/2018	7:22:52	0	0.048
6/28/2018	7:23:52	0	0.05
6/28/2018	7:24:52	0	0.053
6/28/2018	7:25:52	0	0.052
6/28/2018	7:26:52	0	0.051
6/28/2018	7:27:52	0	0.052
6/28/2018	7:28:52	0	0.052
6/28/2018	7:29:52	0	0.051
6/28/2018	7:30:52	0	0.05
6/28/2018	7:31:52	0	0.05
6/28/2018	7:32:52	0	0.052
6/28/2018	7:33:52	0	0.052
6/28/2018	7:34:52	0	0.052
6/28/2018	7:35:52	0	0.051
6/28/2018	7:36:52	0	0.051
6/28/2018	7:37:52	0	0.05
6/28/2018	7:38:52	0	0.05
6/28/2018	7:39:52	0	0.05
6/28/2018	7:40:52	0	0.051
6/28/2018	7:41:52	0	0.05
6/28/2018	7:42:52	0	0.048
6/28/2018	7:43:52	0	0.049
6/28/2018	7:44:52	0	0.051
6/28/2018	7:45:52	0	0.049
6/28/2018	7:46:52	0	0.047
6/28/2018	7:47:52	0	0.047
6/28/2018	7:48:52	0	0.044
6/28/2018	7:49:52	0	0.043
6/28/2018	7:50:52	0	0.043
6/28/2018	7:51:52	0	0.046
6/28/2018	7:52:52	0	0.046
6/28/2018	7:53:52	0	0.045
6/28/2018	7:54:52	0	0.043
6/28/2018	7:55:52	0	0.045
6/28/2018	7:56:52	0	0.045
6/28/2018	7:57:52	0	0.043
6/28/2018	7:58:52	0	0.044
6/28/2018	7:59:52	0	0.047
6/28/2018	8:00:52	0	0.044
6/28/2018	8:01:52	0	0.044
6/28/2018	8:02:52	0	0.043
6/28/2018	8:03:52	0	0.043
6/28/2018	8:04:52	0	0.042
6/28/2018	8:05:52	0	0.04
6/28/2018	8:06:52	0	0.039

DOWNWIND

Time		VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018	8:07:52	0	0.039
6/28/2018	8:08:52	0	0.04
6/28/2018	8:09:52	0	0.04
6/28/2018	8:10:52	0	0.038
6/28/2018	8:11:52	0	0.038
6/28/2018	8:12:52	0	0.039
6/28/2018	8:13:52	0	0.036
6/28/2018	8:14:52	0	0.034
6/28/2018	8:15:52	0	0.034
6/28/2018	8:16:52	0	0.034
6/28/2018	8:17:52	0	0.035
6/28/2018	8:18:52	0	0.035
6/28/2018	8:19:52	0	0.034
6/28/2018	8:20:52	0	0.035
6/28/2018	8:21:52	0	0.034
6/28/2018	8:22:52	0	0.034
6/28/2018	8:23:52	0	0.034
6/28/2018	8:24:52	0	0.032
6/28/2018	8:25:52	0	0.032
6/28/2018	8:26:52	0	0.03
6/28/2018	8:27:52	0	0.029
6/28/2018	8:28:52	0	0.028
6/28/2018	8:29:52	0	0.028
6/28/2018	8:30:52	0	0.028
6/28/2018	8:31:52	0	0.028
6/28/2018	8:32:52	0	0.028
6/28/2018	8:33:52	0	0.027
6/28/2018	8:34:52	0	0.028
6/28/2018	8:35:52	0	0.029
6/28/2018	8:36:52	0	0.029
6/28/2018	8:37:52	0	0.028
6/28/2018	8:38:52	0	0.027
6/28/2018	8:39:52	0	0.026
6/28/2018	8:40:52	0	0.026
6/28/2018	8:41:52	0	0.025
6/28/2018	8:42:52	0	0.025
6/28/2018	8:43:52	0	0.024
6/28/2018	8:44:52	0	0.027
6/28/2018	8:45:52	0	0.027
6/28/2018	8:46:52	0	0.024
6/28/2018	8:47:52	0	0.022
6/28/2018	8:48:52	0	0.022
6/28/2018	8:49:52	0	0.022
6/28/2018	8:50:52	0	0.021
6/28/2018	8:51:52	0	0.021
6/28/2018	8:52:52	0	0.02
6/28/2018	8:53:52	0	0.019
6/28/2018	8:54:52	0	0.018
6/28/2018	8:55:52	0	0.018
6/28/2018	8:56:52	0	0.018
6/28/2018	8:57:52	0	0.018
6/28/2018	8:58:52	0	0.018
6/28/2018	8:59:52	0	0.017
6/28/2018	9:00:52	0	0.017

DOWNWIND

Time		VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018	9:01:52	0	0.017
6/28/2018	9:02:52	0	0.017
6/28/2018	9:03:52	0	0.017
6/28/2018	9:04:52	0	0.016
6/28/2018	9:05:52	0	0.015
6/28/2018	9:06:52	0	0.016
6/28/2018	9:07:52	0	0.016
6/28/2018	9:08:52	0	0.015
6/28/2018	9:09:52	0	0.015
6/28/2018	9:10:52	0	0.015
6/28/2018	9:11:52	0	0.015
6/28/2018	9:12:52	0	0.015
6/28/2018	9:13:52	0	0.015
6/28/2018	9:14:52	0	0.015
6/28/2018	9:15:52	0	0.016
6/28/2018	9:16:52	0	0.016
6/28/2018	9:17:52	0	0.017
6/28/2018	9:18:52	0	0.016
6/28/2018	9:19:52	0	0.017
6/28/2018	9:20:52	0	0.016
6/28/2018	9:21:52	0	0.016
6/28/2018	9:22:52	0	0.016
6/28/2018	9:23:52	0	0.017
6/28/2018	9:24:52	0	0.017
6/28/2018	9:25:52	0	0.017
6/28/2018	9:26:52	0	0.017
6/28/2018	9:27:52	0	0.018
6/28/2018	9:28:52	0	0.018
6/28/2018	9:29:52	0	0.018
6/28/2018	9:30:52	0	0.018
6/28/2018	9:31:52	0	0.017
6/28/2018	9:32:52	0	0.017
6/28/2018	9:33:52	0	0.018
6/28/2018	9:34:52	0	0.019
6/28/2018	9:35:52	0	0.019
6/28/2018	9:36:52	0	0.018
6/28/2018	9:37:52	0	0.019
6/28/2018	9:38:52	0	0.019
6/28/2018	9:39:52	0	0.019
6/28/2018	9:40:52	0	0.019
6/28/2018	9:41:52	0	0.019
6/28/2018	9:42:52	0	0.019
6/28/2018	9:43:52	0	0.019
6/28/2018	9:44:52	0	0.02
6/28/2018	9:45:52	0	0.019
6/28/2018	9:46:52	0	0.019
6/28/2018	9:47:52	0	0.018
6/28/2018	9:48:52	0	0.018
6/28/2018	9:49:52	0	0.018
6/28/2018	9:50:52	0	0.017
6/28/2018	9:51:52	0	0.016
6/28/2018	9:52:52	0	0.016
6/28/2018	9:53:52	0	0.016
6/28/2018	9:54:52	0	0.016

DOWNWIND

Time		VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018	9:55:52	0	0.016
6/28/2018	9:56:52	0	0.017
6/28/2018	9:57:52	0	0.017
6/28/2018	9:58:52	0	0.016
6/28/2018	9:59:52	0	0.015
6/28/2018	10:00:52	0	0.015
6/28/2018	10:01:52	0	0.015
6/28/2018	10:02:52	0	0.015
6/28/2018	10:03:52	0	0.015
6/28/2018	10:04:52	0	0.015
6/28/2018	10:05:52	0	0.015
6/28/2018	10:06:52	0	0.014
6/28/2018	10:07:52	0	0.013
6/28/2018	10:08:52	0	0.013
6/28/2018	10:09:52	0	0.014
6/28/2018	10:10:52	0	0.014
6/28/2018	10:11:52	0	0.014
6/28/2018	10:12:52	0	0.013
6/28/2018	10:13:52	0	0.012
6/28/2018	10:14:52	0	0.013
6/28/2018	10:15:52	0	0.017
6/28/2018	10:16:52	0	0.014
6/28/2018	10:17:52	0	0.014
6/28/2018	10:18:52	0	0.012
6/28/2018	10:19:52	0	0.012
6/28/2018	10:20:52	0	0.012
6/28/2018	10:21:52	0	0.012
6/28/2018	10:22:52	0	0.011
6/28/2018	10:23:52	0	0.011
6/28/2018	10:24:52	0	0.011
6/28/2018	10:25:52	0	0.01
6/28/2018	10:26:52	0	0.011
6/28/2018	10:27:52	0	0.01
6/28/2018	10:28:52	0	0.01
6/28/2018	10:29:52	0	0.009
6/28/2018	10:30:52	0	0.008
6/28/2018	10:31:52	0	0.008
6/28/2018	10:32:52	0	0.008
6/28/2018	10:33:52	0	0.008
6/28/2018	10:34:52	0	0.007
6/28/2018	10:35:52	0	0.008
6/28/2018	10:36:52	0	0.007
6/28/2018	10:37:52	0	0.007
6/28/2018	10:38:52	0	0.006
6/28/2018	10:39:52	0	0.006
6/28/2018	10:40:52	0	0.005
6/28/2018	10:41:52	0	0.005
6/28/2018	10:42:52	0	0.007
6/28/2018	10:43:52	0	0.007
6/28/2018	10:44:52	0	0.006
6/28/2018	10:45:52	0	0.007
6/28/2018	10:46:52	0	0.007
6/28/2018	10:47:52	0	0.008
6/28/2018	10:48:52	0	0.006

DOWNWIND

Time		VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018	10:49:52	0	0.006
6/28/2018	10:50:52	0	0.005
6/28/2018	10:51:52	0	0.005
6/28/2018	10:52:52	0	0.004
6/28/2018	10:53:52	0	0.004
6/28/2018	10:54:52	0	0.004
6/28/2018	10:55:52	0	0.004
6/28/2018	10:56:52	0	0.004
6/28/2018	10:57:52	0	0.005
6/28/2018	10:58:52	0	0.004
6/28/2018	10:59:52	0	0.004
6/28/2018	11:00:52	0	0.004
6/28/2018	11:01:52	0	0.005
6/28/2018	11:02:52	0	0.004
6/28/2018	11:03:52	0	0.004
6/28/2018	11:04:52	0	0.004
6/28/2018	11:05:52	0	0.004
6/28/2018	11:06:52	0	0.003
6/28/2018	11:07:52	0	0.003
6/28/2018	11:08:52	0	0.004
6/28/2018	11:09:52	0	0.003
6/28/2018	11:10:52	0	0.004
6/28/2018	11:11:52	0	0.004
6/28/2018	11:12:52	0	0.004
6/28/2018	11:13:52	0	0.005
6/28/2018	11:14:52	0	0.004
6/28/2018	11:15:52	0	0.004
6/28/2018	11:16:52	0	0.004
6/28/2018	11:17:52	0	0.004
6/28/2018	11:18:52	0	0.005
6/28/2018	11:19:52	0	0.004
6/28/2018	11:20:52	0	0.004
6/28/2018	11:21:52	0	0.004
6/28/2018	11:22:52	0	0.004
6/28/2018	11:23:52	0	0.003
6/28/2018	11:24:52	0	0.004
6/28/2018	11:25:52	0	0.003
6/28/2018	11:26:52	0	0.003
6/28/2018	11:27:52	0	0.004
6/28/2018	11:28:52	0	0.004
6/28/2018	11:29:52	0	0.004
6/28/2018	11:30:52	0	0.003
6/28/2018	11:31:52	0	0.004
6/28/2018	11:32:52	0	0.004
6/28/2018	11:33:52	0	0.004
6/28/2018	11:34:52	0	0.004
6/28/2018	11:35:52	0	0.003
6/28/2018	11:36:52	0	0.003
6/28/2018	11:37:52	0	0.003
6/28/2018	11:38:52	0	0.003
6/28/2018	11:39:52	0	0.004
6/28/2018	11:40:52	0	0.003
6/28/2018	11:41:52	0	0.003
6/28/2018	11:42:52	0	0.003

DOWNWIND

Time		VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018	11:43:52	0	0.002
6/28/2018	11:44:52	0	0.003
6/28/2018	11:45:52	0	0.003
6/28/2018	11:46:52	0	0.003
6/28/2018	11:47:52	0	0.003
6/28/2018	11:48:52	0	0.003
6/28/2018	11:49:52	0	0.003
6/28/2018	11:50:52	0	0.002
6/28/2018	11:51:52	0	0.002
6/28/2018	11:52:52	0	0.002
6/28/2018	11:53:52	0	0.002
6/28/2018	11:54:52	0	0.003
6/28/2018	11:55:52	0	0.005
6/28/2018	11:56:52	0	0.003
6/28/2018	11:57:52	0	0.002
6/28/2018	11:58:52	0	0.002
6/28/2018	11:59:52	0	0.003
6/28/2018	12:00:52	0	0.002
6/28/2018	12:01:52	0	0.004
6/28/2018	12:02:52	0	0.002
6/28/2018	12:03:52	0	0.002
6/28/2018	12:04:52	0	0.002
6/28/2018	12:05:52	0	0.002
6/28/2018	12:06:52	0	0.002
6/28/2018	12:07:52	0	0.002
6/28/2018	12:08:52	0	0.002
6/28/2018	12:09:52	0	0.004
6/28/2018	12:10:52	0	0.002
6/28/2018	12:11:52	0	0.003
6/28/2018	12:12:52	0	0.002
6/28/2018	12:13:52	0	0.002
6/28/2018	12:14:52	0	0.002
6/28/2018	12:15:52	0	0.002
6/28/2018	12:16:52	0	0.003
6/28/2018	12:17:52	0	0.006
6/28/2018	12:18:52	0	0.003
6/28/2018	12:19:52	0	0.003
6/28/2018	12:20:52	0	0.003
6/28/2018	12:21:52	0	0.003
6/28/2018	12:22:52	0	0.003
6/28/2018	12:23:52	0	0.005
6/28/2018	12:24:52	0	0.005
6/28/2018	12:25:52	0	0.005
6/28/2018	12:26:52	0	0.006
6/28/2018	12:27:52	0	0.005
6/28/2018	12:28:52	0	0.004
6/28/2018	12:29:52	0	0.004
6/28/2018	12:30:52	0	0.004
6/28/2018	12:31:52	0	0.004
6/28/2018	12:32:52	0	0.004
6/28/2018	12:33:52	0	0.004
6/28/2018	12:34:52	0	0.006
6/28/2018	12:35:52	0	0.006
6/28/2018	12:36:52	0	0.005

DOWNWIND

Time		VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018	12:37:52	0	0.006
6/28/2018	12:38:52	0	0.006
6/28/2018	12:39:52	0	0.007
6/28/2018	12:40:52	0	0.007
6/28/2018	12:41:52	0	0.008
6/28/2018	12:42:52	0	0.008
6/28/2018	12:43:52	0	0.008
6/28/2018	12:44:52	0	0.008
6/28/2018	12:45:52	0	0.009
6/28/2018	12:46:52	0	0.009
6/28/2018	12:47:52	0	0.009
6/28/2018	12:48:52	0	0.01
6/28/2018	12:49:52	0	0.011
6/28/2018	12:50:52	0	0.012
6/28/2018	12:51:52	0	0.014
6/28/2018	12:52:52	0	0.014
6/28/2018	12:53:52	0	0.016
6/28/2018	12:54:52	0	0.017
6/28/2018	12:55:52	0	0.017
6/28/2018	12:56:52	0	0.016
6/28/2018	12:57:52	0	0.016
6/28/2018	12:58:52	0	0.016
6/28/2018	12:59:52	0	0.018
6/28/2018	13:00:52	0	0.019
6/28/2018	13:01:52	0	0.019
6/28/2018	13:02:52	0	0.018
6/28/2018	13:03:52	0	0.019
6/28/2018	13:04:52	0	0.021
6/28/2018	13:05:52	0	0.019
6/28/2018	13:06:52	0	0.019
6/28/2018	13:07:52	0	0.019
6/28/2018	13:08:52	0	0.02
6/28/2018	13:09:52	0	0.019
6/28/2018	13:10:52	0	0.02
6/28/2018	13:11:52	0	0.021
6/28/2018	13:12:52	0	0.02
6/28/2018	13:13:52	0	0.021
6/28/2018	13:14:52	0	0.021
6/28/2018	13:15:52	0	0.021
6/28/2018	13:16:52	0	0.021
6/28/2018	13:17:52	0	0.021
6/28/2018	13:18:52	0	0.022
6/28/2018	13:19:52	0	0.022
6/28/2018	13:20:52	0	0.022
6/28/2018	13:21:52	0	0.024
6/28/2018	13:22:52	0	0.024
6/28/2018	13:23:52	0	0.024
6/28/2018	13:24:52	0	0.023
6/28/2018	13:25:52	0	0.023
6/28/2018	13:26:52	0	0.023
6/28/2018	13:27:52	0	0.023
6/28/2018	13:28:52	0	0.023
6/28/2018	13:29:52	0	0.027
6/28/2018	13:30:52	0	0.021

DOWNWIND

Time		VOC ppm AVG 15m (ppm)	Mass Conc. Total mg/m³ AVG 15m (mg/m³)
6/28/2018	13:31:52	0	0.024
6/28/2018	13:32:52	0	0.023
6/28/2018	13:33:52	0	0.021
6/28/2018	13:34:52	0	0.021
6/28/2018	13:35:52	0	0.021
6/28/2018	13:36:52	0	0.021
6/28/2018	13:37:52	0	0.02
6/28/2018	13:38:52	0	0.02
6/28/2018	13:39:52	0	0.02
6/28/2018	13:40:52	0	0.02
6/28/2018	13:41:52	0	0.02
6/28/2018	13:42:52	0	0.02
6/28/2018	13:43:52	0	0.019
6/28/2018	13:44:52	0	0.02
6/28/2018	13:45:52	0	0.02
6/28/2018	13:46:52	0	0.02
6/28/2018	13:47:52	0	0.019
6/28/2018	13:48:52	0	0.02
6/28/2018	13:49:52	0	0.019
6/28/2018	13:50:52	0	0.019
6/28/2018	13:51:52	0	0.019
6/28/2018	13:52:52	0	0.019
6/28/2018	13:53:52	0	0.018
6/28/2018	13:54:52	0	0.019
6/28/2018	13:55:52	0	0.019
6/28/2018	13:56:52	0	0.019
6/28/2018	13:57:52	0	0.019
6/28/2018	13:58:52	0	0.019
6/28/2018	13:59:52	0	0.018
6/28/2018	14:00:52	0	0.018
6/28/2018	14:01:52	0	0.018
6/28/2018	14:02:52	0	0.018
6/28/2018	14:03:52	0	0.017
6/28/2018	14:04:52	0	0.017
6/28/2018	14:05:52	0	0.016
6/28/2018	14:06:52	0	0.029
6/28/2018	14:07:52	0	0.019
6/28/2018	14:08:52	0	0.027
6/28/2018	14:09:52	0	0.023
6/28/2018	14:10:52	0	0.018
6/28/2018	14:11:52	0	0.018
6/28/2018	14:12:52	0	0.021
6/28/2018	14:13:52	0	0.027
6/28/2018	14:14:52	0	0.03
6/28/2018	14:15:52	0	0.037
6/28/2018	14:16:52	0	0.055
6/28/2018	14:17:52	0	0.02
6/28/2018	14:18:52	0	0.017
6/28/2018	14:19:52	0	0.017
6/28/2018	14:20:52	0	0.017
6/28/2018	14:21:52	0	0.017
6/28/2018	14:22:52	0	0.016
6/28/2018	14:23:52	0	0.016

APPENDIX G

Laboratory Data Packages

HALEY ALDRICH

November 05, 2018 Service Request No:R1810451

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 October 26, 2018
For your reference, these analyses have been assigned our service request number **R1810451.**

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.

Please contact me if you have any questions. My extension is 7471. You may also contact me via email at Brady.Kalkman@alsglobal.com.

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

ALS Environmental

Client: Haley & Aldrich, Incorporated
Project: Coopervision
Sample Matrix: Water

Service Request: R1810451
Date Received: 10/26/2018

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 10/26/2018. 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 0 to 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature. If any samples were received for the analysis of pH, chlorine residual, sulfite, dissolved oxygen, or ferrous iron, the samples were analyzed past their holding time expiration since these analyses are required to be analyzed within 15 minutes of sampling.

Semivoa GC:

No significant anomalies were noted with this analysis.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

Method 9034 or SM4500 S2F, Sample#R1810451-005, pH was <9 when tested immediately prior to testing, indicating that chemical preservation was not added or was inadequate to meet the preservation requirement.

Volatiles by GC/MS:

Method 8260C, 11/01/2018: 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.

Volatiles by GC:

No significant anomalies were noted with this analysis.

Approved by _____ Date 11/05/2018

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-3-102518-1000			Lab ID: R1810451-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	203		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Chloride	341		2	20	mg/L	9056A
Sulfate	24.0		0.2	2.0	mg/L	9056A
Iron, Total	12800		50	100	ug/L	6010C
Chloroethane	460		0.58	13	ug/L	8260C
1,1-Dichloroethane	83		0.50	13	ug/L	8260C
Vinyl Chloride	23		0.55	13	ug/L	8260C
Ethylene, Dissolved	27		3.5	25	ug/L	RSK 175
Methane, Dissolved	1500		13	26	ug/L	RSK 175

CLIENT ID: MW-502-102618-1115			Lab ID: R1810451-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Carbon Disulfide	11		0.31	10	ug/L	8260C
Chloroethane	1400	D	2.3	50	ug/L	8260C
1,1-Dichloroethane	120		0.20	5.0	ug/L	8260C
Vinyl Chloride	180		0.22	5.0	ug/L	8260C

CLIENT ID: OWS-302-102618-1320			Lab ID: R1810451-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloroethane	14000		23	500	ug/L	8260C

CLIENT ID: MW-205-102518-1615			Lab ID: R1810451-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	3080		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Chloride	668		2	20	mg/L	9056A
Iron, Total	101000		500	1000	ug/L	6010C
Acetone	45000		4200	20000	ug/L	8260C
2-Butanone (MEK)	24000		1600	20000	ug/L	8260C
1,1-Dichloroethane	270000		400	10000	ug/L	8260C
1,1,1-Trichloroethane	54000		500	10000	ug/L	8260C
Methane, Dissolved	7000		50	110	ug/L	RSK 175
Acetic Acid	1500		20	20	mg/L	Organic Acids
Butanoic Acid (Butyric Acid)	3200		6.3	40	mg/L	Organic Acids
Propionic Acid	970		3.8	20	mg/L	Organic Acids

CLIENT ID: MW-205-102518-1615 Diss			Lab ID: R1810451-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Iron, Dissolved	101000		500	1000	ug/L	6010C

CLIENT ID: MW-501-102618-1235			Lab ID: R1810451-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloroethane	300		0.58	13	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-501-102618-1235			Lab ID: R1810451-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,1-Dichloroethane	74		0.50	13	ug/L	8260C
Vinyl Chloride	52		0.55	13	ug/L	8260C

CLIENT ID: MW-202-102518-1110			Lab ID: R1810451-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Alkalinity, Total as CaCO3	131		1.0	2.0	mg/L	SM 2320 B-1997 (2011)
Carbon, Total Organic (TOC)	1.1		0.05	1.0	mg/L	SM 5310 C-2000 (2011)
Chloride	1260		3	40	mg/L	9056A
Sulfate	386		2	20	mg/L	9056A
Iron, Total	210		50	100	ug/L	6010C
Chloroethane	9.9		0.23	5.0	ug/L	8260C
1,1-Dichloroethane	120		0.20	5.0	ug/L	8260C
1,1-Dichloroethene	120		0.28	5.0	ug/L	8260C
Vinyl Chloride	8.3		0.22	5.0	ug/L	8260C
Ethylene, Dissolved	1.7		0.14	1.0	ug/L	RSK 175
Methane, Dissolved	24		0.50	1.1	ug/L	RSK 175

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

Client: Haley & Aldrich, Incorporated **Service Request:**R1810451
Project: Coopervision/129375-003

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1810451-001	MW-3-102518-1000	10/25/2018	1000
R1810451-002	MW-3-102518-1000 Diss	10/25/2018	1000
R1810451-003	MW-502-102618-1115	10/26/2018	1115
R1810451-004	OWS-302-102618-1320	10/26/2018	1320
R1810451-005	MW-205-102518-1615	10/25/2018	1615
R1810451-006	MW-205-102518-1615 Diss	10/25/2018	1615
R1810451-007	MW-501-102618-1235	10/26/2018	1235
R1810451-008	MW-202-102518-1110	10/25/2018	1110
R1810451-009	MW-202-102518-1110 Diss	10/25/2018	1110
R1810451-010	MW-204-102518-1230	10/25/2018	1230
R1810451-011	OW-306-102518-1350	10/25/2018	1350
R1810451-012	MW-203-102518-1440	10/25/2018	1440
R1810451-013	Trip Blank	10/25/2018	

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 _____ of _____

H&A Project Number:		H&A Client Name:	
Blanket Service Agreement: 2015-18-ALS Group		ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Coopervision	A	VOCs 8260C
Work Order	181017006	Project Number	129375-003	B	RSk-175 Dissolved Gases
Company Name	Haley and Aldrich Inc	Bill To Company	Account Payable	C	Alkalinity- Anion List SM2320
Send Report To	Mark Ramsdell	Invoice Attn.		D	Sulfide - Anion List 9034
Address	200 Town Centre Drive Suite 2	Address		E	Nitrate (9056A), Nitrite (9056A), Chloride, Sulfate
				F	Organic Acids- Metabolic, Acetic, Lactic, Butyric, Propionic, Pyruvic
City/State/Zip	Rochester, NY, 14623	City/State/Zip		G	TOC (SM5310 C-200)
Phone	585-321-4241	Phone		H	Total Iron (6010C)
Fax		State Samples Collected		I	Dissolved Iron (6010) Field Filtered
Email Address	mramsdell@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	MW3 - 102518 - 1000	10/25	1000	GW		4	X	X	X	X	X			X	X		
2	MW502 - 102618 - 1115	10/26	1235	GW		3	X										
3	OWS302 - 102618 - 1320	10/26	1320	GW		3	X										
4	MW205 - 102518 - 1615	10/25/18	1615	GW		12	X	X	X	X	X			X	X		
5	MW501 - 102618 - 1235	10/26/18	1235	GW			X										
6	MW202 - 102518 - 1110	10/25/18	1110	GW		14	X	X	X	X	X	X	X	X	X		
7	MW204 - 102518 - 1230	10/25/18	1230	GW			X										
8	OW306 - 102518 - 1350	10/25/18	1350	GW			X										
9	MW203 - 102518 - 1440	10/25/18	1440	GW		3	X										
10	TRIP Blank			AQ		3	X										

Sampler(s): Please Print & Sign

Shipment Method:

Turnaround Time in Business Days (BD): Standard ☐ Other _____
☐ 10 BD ☐ 5 BD ☐ 3 BD ☐ 2 BD ☐ 1 BD

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Notes:
	10/26		14:50	
Relinquished by:	Date:	Time:	Received by (Laboratory): ALS 10/26/18	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
		☐ Level II: Standard QC	☐ TRRP Checklist
		☐ Level III	☐ TRRP Level IV
		☐ Level IV: Std QC/Raw Data	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-None/4oC

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.

R1810451 5
Haley & Aldrich, Inc.
Coopervision

Cooler Receipt and Preservation Check Form

R1810451 5
Haley & Aldrich, Inc.
Coopervision

Project/Client Cooper Vision Folder Number

Cooler received on 10/26/18 by: VS

COURIER: ALS UPS FEDEX VELOCITY (CLIENT)

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y N (NA)
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: **Wet Ice Dry Ice Gel packs** present?	Y (N)	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 10/26/18 Time: 1445 ID: IR#7 (IR#10) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	9.7						
Correction Factor (°C)	VS 10/26/18 +0.4						
Corrected Temp (°C)	10.1						
Temp from:Type of bottle	cent tube						
Within 0-6°C?	Y (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: no ice 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 VS on 10/26/18 at 1445
5035 samples placed in storage location: by on at

Cooler Breakdown/Preservation Check**: Date: 10/29/18 Time: 1552 by: DLW

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 Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12	SK 10/29/18	NaOH								
≤2	8a 220617	HNO_3	✓		1117001					
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-	WC189013F	4/19	**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**	4117090					

Bottle lot numbers: 8-039-004, 8-072-001, 081318-13MC, W133128, 073117-2AAW
Explain all Discrepancies/ Other Comments:

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: dh
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

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.
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/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
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.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) 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[1]

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

[1] Analyses were performed according to our laboratoryôs 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

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 **Service Request:** R1810451
Project: Coopervision/129375-003

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

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003		

Sample Name:	MW-3-102518-1000	**Date Collected:**	10/25/18
Lab Code:	R1810451-001	**Date Received:**	10/26/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	NMANSEN
8260C		KRUEST
9034	AFELSER	AFELSER
9056A		AINGHAM
RSK 175		FNAEGLER
SM 2320 B-1997(2011)		AFELSER

Sample Name:	MW-3-102518-1000 Diss	**Date Collected:**	10/25/18
Lab Code:	R1810451-002	**Date Received:**	10/26/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	NMANSEN

Sample Name:	MW-502-102618-1115	**Date Collected:**	10/26/18
Lab Code:	R1810451-003	**Date Received:**	10/26/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	OWS-302-102618-1320	**Date Collected:**	10/26/18
Lab Code:	R1810451-004	**Date Received:**	10/26/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003		

Sample Name:	MW-205-102518-1615	**Date Collected:**	10/25/18
Lab Code:	R1810451-005	**Date Received:**	10/26/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	NMANSEN
8260C		KRUEST
9034	AFELSER	AFELSER
9056A		AINGHAM
Organic Acids		AMOSES
RSK 175		FNAEGLER
SM 2320 B-1997(2011)		AFELSER

Sample Name:	MW-205-102518-1615 Diss	**Date Collected:**	10/25/18
Lab Code:	R1810451-006	**Date Received:**	10/26/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	NMANSEN

Sample Name:	MW-501-102618-1235	**Date Collected:**	10/26/18
Lab Code:	R1810451-007	**Date Received:**	10/26/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	MW-202-102518-1110	**Date Collected:**	10/25/18
Lab Code:	R1810451-008	**Date Received:**	10/26/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	NMANSEN
8260C		KRUEST
9034	AFELSER	AFELSER
9056A		AINGHAM

Client: Haley & Aldrich, Incorporated **Service Request:** R1810451
Project: Coopervision/129375-003

Sample Name: MW-202-102518-1110 **Date Collected:** 10/25/18
Lab Code: R1810451-008 **Date Received:** 10/26/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
Organic Acids		AMOSES
RSK 175		FNAEGLER
SM 2320 B-1997(2011)		AFELSER
SM 5310 C-2000(2011)		CWOODS

Sample Name: MW-202-102518-1110 Diss **Date Collected:** 10/25/18
Lab Code: R1810451-009 **Date Received:** 10/26/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	NMANSEN

Sample Name: MW-204-102518-1230 **Date Collected:** 10/25/18
Lab Code: R1810451-010 **Date Received:** 10/26/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: OW-306-102518-1350 **Date Collected:** 10/25/18
Lab Code: R1810451-011 **Date Received:** 10/26/18
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003		

Sample Name:	MW-203-102518-1440	**Date Collected:**	10/25/18
Lab Code:	R1810451-012	**Date Received:**	10/26/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	Trip Blank	**Date Collected:**	10/25/18
Lab Code:	R1810451-013	**Date Received:**	10/26/18
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

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
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 10:00
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-3-102518-1000	**Units:**	ug/L
Lab Code:	R1810451-001	**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	10/31/18 18:45	
Benzene	ND	U	13	2.5	10/31/18 18:45	
Bromodichloromethane	ND	U	13	2.5	10/31/18 18:45	
Bromoform	ND	U	13	2.5	10/31/18 18:45	
Bromomethane	ND	U	13	2.5	10/31/18 18:45	
2-Butanone (MEK)	ND	U	25	2.5	10/31/18 18:45	
Carbon Disulfide	ND	U	25	2.5	10/31/18 18:45	
Carbon Tetrachloride	ND	U	13	2.5	10/31/18 18:45	
Chlorobenzene	ND	U	13	2.5	10/31/18 18:45	
Chloroethane	**460**		13	2.5	10/31/18 18:45	
Chloroform	ND	U	13	2.5	10/31/18 18:45	
Chloromethane	ND	U	13	2.5	10/31/18 18:45	
Dibromochloromethane	ND	U	13	2.5	10/31/18 18:45	
1,1-Dichloroethane	**83**		13	2.5	10/31/18 18:45	
1,2-Dichloroethane	ND	U	13	2.5	10/31/18 18:45	
1,1-Dichloroethene	ND	U	13	2.5	10/31/18 18:45	
cis-1,2-Dichloroethene	ND	U	13	2.5	10/31/18 18:45	
trans-1,2-Dichloroethene	ND	U	13	2.5	10/31/18 18:45	
1,2-Dichloropropane	ND	U	13	2.5	10/31/18 18:45	
cis-1,3-Dichloropropene	ND	U	13	2.5	10/31/18 18:45	
trans-1,3-Dichloropropene	ND	U	13	2.5	10/31/18 18:45	
Ethylbenzene	ND	U	13	2.5	10/31/18 18:45	
2-Hexanone	ND	U	25	2.5	10/31/18 18:45	
Methylene Chloride	ND	U	13	2.5	10/31/18 18:45	
4-Methyl-2-pentanone (MIBK)	ND	U	25	2.5	10/31/18 18:45	
Styrene	ND	U	13	2.5	10/31/18 18:45	
1,1,2,2-Tetrachloroethane	ND	U	13	2.5	10/31/18 18:45	
Tetrachloroethene	ND	U	13	2.5	10/31/18 18:45	
Toluene	ND	U	13	2.5	10/31/18 18:45	
1,1,1-Trichloroethane	ND	U	13	2.5	10/31/18 18:45	
1,1,2-Trichloroethane	ND	U	13	2.5	10/31/18 18:45	
Trichloroethene	ND	U	13	2.5	10/31/18 18:45	
Vinyl Chloride	**23**		13	2.5	10/31/18 18:45	
o-Xylene	ND	U	13	2.5	10/31/18 18:45	
m,p-Xylenes	ND	U	13	2.5	10/31/18 18:45	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 10:00
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-3-102518-1000	**Units:**	ug/L
Lab Code:	R1810451-001	**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	101	85 - 122	10/31/18 18:45	
Toluene-d8	100	87 - 121	10/31/18 18:45	
Dibromofluoromethane	100	89 - 119	10/31/18 18:45	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/26/18 11:15
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-502-102618-1115	**Units:**	ug/L
Lab Code:	R1810451-003	**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	10/31/18 16:57	
Benzene	ND	U	5.0	1	10/31/18 16:57	
Bromodichloromethane	ND	U	5.0	1	10/31/18 16:57	
Bromoform	ND	U	5.0	1	10/31/18 16:57	
Bromomethane	ND	U	5.0	1	10/31/18 16:57	
2-Butanone (MEK)	ND	U	10	1	10/31/18 16:57	
Carbon Disulfide	**11**		10	1	10/31/18 16:57	
Carbon Tetrachloride	ND	U	5.0	1	10/31/18 16:57	
Chlorobenzene	ND	U	5.0	1	10/31/18 16:57	
Chloroethane	**1400**	**D**	50	10	11/01/18 13:10	
Chloroform	ND	U	5.0	1	10/31/18 16:57	
Chloromethane	ND	U	5.0	1	10/31/18 16:57	
Dibromochloromethane	ND	U	5.0	1	10/31/18 16:57	
1,1-Dichloroethane	**120**		5.0	1	10/31/18 16:57	
1,2-Dichloroethane	ND	U	5.0	1	10/31/18 16:57	
1,1-Dichloroethene	ND	U	5.0	1	10/31/18 16:57	
cis-1,2-Dichloroethene	ND	U	5.0	1	10/31/18 16:57	
trans-1,2-Dichloroethene	ND	U	5.0	1	10/31/18 16:57	
1,2-Dichloropropane	ND	U	5.0	1	10/31/18 16:57	
cis-1,3-Dichloropropene	ND	U	5.0	1	10/31/18 16:57	
trans-1,3-Dichloropropene	ND	U	5.0	1	10/31/18 16:57	
Ethylbenzene	ND	U	5.0	1	10/31/18 16:57	
2-Hexanone	ND	U	10	1	10/31/18 16:57	
Methylene Chloride	ND	U	5.0	1	10/31/18 16:57	
4-Methyl-2-pentanone (MIBK)	ND	U	10	1	10/31/18 16:57	
Styrene	ND	U	5.0	1	10/31/18 16:57	
1,1,2,2-Tetrachloroethane	ND	U	5.0	1	10/31/18 16:57	
Tetrachloroethene	ND	U	5.0	1	10/31/18 16:57	
Toluene	ND	U	5.0	1	10/31/18 16:57	
1,1,1-Trichloroethane	ND	U	5.0	1	10/31/18 16:57	
1,1,2-Trichloroethane	ND	U	5.0	1	10/31/18 16:57	
Trichloroethene	ND	U	5.0	1	10/31/18 16:57	
Vinyl Chloride	**180**		5.0	1	10/31/18 16:57	
o-Xylene	ND	U	5.0	1	10/31/18 16:57	
m,p-Xylenes	ND	U	5.0	1	10/31/18 16:57	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/26/18 11:15
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-502-102618-1115	**Units:**	ug/L
Lab Code:	R1810451-003	**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	98	85 - 122	10/31/18 16:57	
Toluene-d8	100	87 - 121	10/31/18 16:57	
Dibromofluoromethane	98	89 - 119	10/31/18 16:57	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/26/18 13:20
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	OWS-302-102618-1320	**Units:**	ug/L
Lab Code:	R1810451-004	**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	10/31/18 19:29	
Benzene	ND	U	500	100	10/31/18 19:29	
Bromodichloromethane	ND	U	500	100	10/31/18 19:29	
Bromoform	ND	U	500	100	10/31/18 19:29	
Bromomethane	ND	U	500	100	10/31/18 19:29	
2-Butanone (MEK)	ND	U	1000	100	10/31/18 19:29	
Carbon Disulfide	ND	U	1000	100	10/31/18 19:29	
Carbon Tetrachloride	ND	U	500	100	10/31/18 19:29	
Chlorobenzene	ND	U	500	100	10/31/18 19:29	
Chloroethane	**14000**		500	100	10/31/18 19:29	
Chloroform	ND	U	500	100	10/31/18 19:29	
Chloromethane	ND	U	500	100	10/31/18 19:29	
Dibromochloromethane	ND	U	500	100	10/31/18 19:29	
1,1-Dichloroethane	ND	U	500	100	10/31/18 19:29	
1,2-Dichloroethane	ND	U	500	100	10/31/18 19:29	
1,1-Dichloroethene	ND	U	500	100	10/31/18 19:29	
cis-1,2-Dichloroethene	ND	U	500	100	10/31/18 19:29	
trans-1,2-Dichloroethene	ND	U	500	100	10/31/18 19:29	
1,2-Dichloropropane	ND	U	500	100	10/31/18 19:29	
cis-1,3-Dichloropropene	ND	U	500	100	10/31/18 19:29	
trans-1,3-Dichloropropene	ND	U	500	100	10/31/18 19:29	
Ethylbenzene	ND	U	500	100	10/31/18 19:29	
2-Hexanone	ND	U	1000	100	10/31/18 19:29	
Methylene Chloride	ND	U	500	100	10/31/18 19:29	
4-Methyl-2-pentanone (MIBK)	ND	U	1000	100	10/31/18 19:29	
Styrene	ND	U	500	100	10/31/18 19:29	
1,1,2,2-Tetrachloroethane	ND	U	500	100	10/31/18 19:29	
Tetrachloroethene	ND	U	500	100	10/31/18 19:29	
Toluene	ND	U	500	100	10/31/18 19:29	
1,1,1-Trichloroethane	ND	U	500	100	10/31/18 19:29	
1,1,2-Trichloroethane	ND	U	500	100	10/31/18 19:29	
Trichloroethene	ND	U	500	100	10/31/18 19:29	
Vinyl Chloride	ND	U	500	100	10/31/18 19:29	
o-Xylene	ND	U	500	100	10/31/18 19:29	
m,p-Xylenes	ND	U	500	100	10/31/18 19:29	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/26/18 13:20
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	OWS-302-102618-1320	**Units:**	ug/L
Lab Code:	R1810451-004	**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	10/31/18 19:29	
Toluene-d8	101	87 - 121	10/31/18 19:29	
Dibromofluoromethane	93	89 - 119	10/31/18 19:29	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 16:15
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-205-102518-1615	**Units:**	ug/L
Lab Code:	R1810451-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
Acetone	**45000**		20000	2000	10/31/18 19:50	
Benzene	ND	U	10000	2000	10/31/18 19:50	
Bromodichloromethane	ND	U	10000	2000	10/31/18 19:50	
Bromoform	ND	U	10000	2000	10/31/18 19:50	
Bromomethane	ND	U	10000	2000	10/31/18 19:50	
2-Butanone (MEK)	**24000**		20000	2000	10/31/18 19:50	
Carbon Disulfide	ND	U	20000	2000	10/31/18 19:50	
Carbon Tetrachloride	ND	U	10000	2000	10/31/18 19:50	
Chlorobenzene	ND	U	10000	2000	10/31/18 19:50	
Chloroethane	ND	U	10000	2000	10/31/18 19:50	
Chloroform	ND	U	10000	2000	10/31/18 19:50	
Chloromethane	ND	U	10000	2000	10/31/18 19:50	
Dibromochloromethane	ND	U	10000	2000	10/31/18 19:50	
1,1-Dichloroethane	**270000**		10000	2000	10/31/18 19:50	
1,2-Dichloroethane	ND	U	10000	2000	10/31/18 19:50	
1,1-Dichloroethene	ND	U	10000	2000	10/31/18 19:50	
cis-1,2-Dichloroethene	ND	U	10000	2000	10/31/18 19:50	
trans-1,2-Dichloroethene	ND	U	10000	2000	10/31/18 19:50	
1,2-Dichloropropane	ND	U	10000	2000	10/31/18 19:50	
cis-1,3-Dichloropropene	ND	U	10000	2000	10/31/18 19:50	
trans-1,3-Dichloropropene	ND	U	10000	2000	10/31/18 19:50	
Ethylbenzene	ND	U	10000	2000	10/31/18 19:50	
2-Hexanone	ND	U	20000	2000	10/31/18 19:50	
Methylene Chloride	ND	U	10000	2000	10/31/18 19:50	
4-Methyl-2-pentanone (MIBK)	ND	U	20000	2000	10/31/18 19:50	
Styrene	ND	U	10000	2000	10/31/18 19:50	
1,1,2,2-Tetrachloroethane	ND	U	10000	2000	10/31/18 19:50	
Tetrachloroethene	ND	U	10000	2000	10/31/18 19:50	
Toluene	ND	U	10000	2000	10/31/18 19:50	
1,1,1-Trichloroethane	**54000**		10000	2000	10/31/18 19:50	
1,1,2-Trichloroethane	ND	U	10000	2000	10/31/18 19:50	
Trichloroethene	ND	U	10000	2000	10/31/18 19:50	
Vinyl Chloride	ND	U	10000	2000	10/31/18 19:50	
o-Xylene	ND	U	10000	2000	10/31/18 19:50	
m,p-Xylenes	ND	U	10000	2000	10/31/18 19:50	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 16:15
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-205-102518-1615	**Units:**	ug/L
Lab Code:	R1810451-005	**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	10/31/18 19:50	
Toluene-d8	100	87 - 121	10/31/18 19:50	
Dibromofluoromethane	93	89 - 119	10/31/18 19:50	

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/26/18 12:35
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-501-102618-1235	**Units:**	ug/L
Lab Code:	R1810451-007	**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	11/01/18 12:49	
Benzene	ND U	13	2.5	11/01/18 12:49	
Bromodichloromethane	ND U	13	2.5	11/01/18 12:49	
Bromoform	ND U	13	2.5	11/01/18 12:49	
Bromomethane	ND U	13	2.5	11/01/18 12:49	
2-Butanone (MEK)	ND U	25	2.5	11/01/18 12:49	
Carbon Disulfide	ND U	25	2.5	11/01/18 12:49	
Carbon Tetrachloride	ND U	13	2.5	11/01/18 12:49	
Chlorobenzene	ND U	13	2.5	11/01/18 12:49	
Chloroethane	**300**	13	2.5	11/01/18 12:49	
Chloroform	ND U	13	2.5	11/01/18 12:49	
Chloromethane	ND U	13	2.5	11/01/18 12:49	
Dibromochloromethane	ND U	13	2.5	11/01/18 12:49	
1,1-Dichloroethane	**74**	13	2.5	11/01/18 12:49	
1,2-Dichloroethane	ND U	13	2.5	11/01/18 12:49	
1,1-Dichloroethene	ND U	13	2.5	11/01/18 12:49	
cis-1,2-Dichloroethene	ND U	13	2.5	11/01/18 12:49	
trans-1,2-Dichloroethene	ND U	13	2.5	11/01/18 12:49	
1,2-Dichloropropane	ND U	13	2.5	11/01/18 12:49	
cis-1,3-Dichloropropene	ND U	13	2.5	11/01/18 12:49	
trans-1,3-Dichloropropene	ND U	13	2.5	11/01/18 12:49	
Ethylbenzene	ND U	13	2.5	11/01/18 12:49	
2-Hexanone	ND U	25	2.5	11/01/18 12:49	
Methylene Chloride	ND U	13	2.5	11/01/18 12:49	
4-Methyl-2-pentanone (MIBK)	ND U	25	2.5	11/01/18 12:49	
Styrene	ND U	13	2.5	11/01/18 12:49	
1,1,2,2-Tetrachloroethane	ND U	13	2.5	11/01/18 12:49	
Tetrachloroethene	ND U	13	2.5	11/01/18 12:49	
Toluene	ND U	13	2.5	11/01/18 12:49	
1,1,1-Trichloroethane	ND U	13	2.5	11/01/18 12:49	
1,1,2-Trichloroethane	ND U	13	2.5	11/01/18 12:49	
Trichloroethene	ND U	13	2.5	11/01/18 12:49	
Vinyl Chloride	**52**	13	2.5	11/01/18 12:49	
o-Xylene	ND U	13	2.5	11/01/18 12:49	
m,p-Xylenes	ND U	13	2.5	11/01/18 12:49	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/26/18 12:35
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-501-102618-1235	**Units:**	ug/L
Lab Code:	R1810451-007	**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	105	85 - 122	11/01/18 12:49	
Toluene-d8	110	87 - 121	11/01/18 12:49	
Dibromofluoromethane	103	89 - 119	11/01/18 12:49	

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 11:10
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-202-102518-1110	**Units:**	ug/L
Lab Code:	R1810451-008	**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	10/31/18 17:19	
Benzene	ND U	5.0	1	10/31/18 17:19	
Bromodichloromethane	ND U	5.0	1	10/31/18 17:19	
Bromoform	ND U	5.0	1	10/31/18 17:19	
Bromomethane	ND U	5.0	1	10/31/18 17:19	
2-Butanone (MEK)	ND U	10	1	10/31/18 17:19	
Carbon Disulfide	ND U	10	1	10/31/18 17:19	
Carbon Tetrachloride	ND U	5.0	1	10/31/18 17:19	
Chlorobenzene	ND U	5.0	1	10/31/18 17:19	
Chloroethane	**9.9**	5.0	1	10/31/18 17:19	
Chloroform	ND U	5.0	1	10/31/18 17:19	
Chloromethane	ND U	5.0	1	10/31/18 17:19	
Dibromochloromethane	ND U	5.0	1	10/31/18 17:19	
1,1-Dichloroethane	**120**	5.0	1	10/31/18 17:19	
1,2-Dichloroethane	ND U	5.0	1	10/31/18 17:19	
1,1-Dichloroethene	**120**	5.0	1	10/31/18 17:19	
cis-1,2-Dichloroethene	ND U	5.0	1	10/31/18 17:19	
trans-1,2-Dichloroethene	ND U	5.0	1	10/31/18 17:19	
1,2-Dichloropropane	ND U	5.0	1	10/31/18 17:19	
cis-1,3-Dichloropropene	ND U	5.0	1	10/31/18 17:19	
trans-1,3-Dichloropropene	ND U	5.0	1	10/31/18 17:19	
Ethylbenzene	ND U	5.0	1	10/31/18 17:19	
2-Hexanone	ND U	10	1	10/31/18 17:19	
Methylene Chloride	ND U	5.0	1	10/31/18 17:19	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/31/18 17:19	
Styrene	ND U	5.0	1	10/31/18 17:19	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/31/18 17:19	
Tetrachloroethene	ND U	5.0	1	10/31/18 17:19	
Toluene	ND U	5.0	1	10/31/18 17:19	
1,1,1-Trichloroethane	ND U	5.0	1	10/31/18 17:19	
1,1,2-Trichloroethane	ND U	5.0	1	10/31/18 17:19	
Trichloroethene	ND U	5.0	1	10/31/18 17:19	
Vinyl Chloride	**8.3**	5.0	1	10/31/18 17:19	
o-Xylene	ND U	5.0	1	10/31/18 17:19	
m,p-Xylenes	ND U	5.0	1	10/31/18 17:19	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 11:10
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-202-102518-1110	**Units:**	ug/L
Lab Code:	R1810451-008	**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	10/31/18 17:19	
Toluene-d8	100	87 - 121	10/31/18 17:19	
Dibromofluoromethane	100	89 - 119	10/31/18 17:19	

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 12:30
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-204-102518-1230	**Units:**	ug/L
Lab Code:	R1810451-010	**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	10/31/18 17:40	
Benzene	ND U	5.0	1	10/31/18 17:40	
Bromodichloromethane	ND U	5.0	1	10/31/18 17:40	
Bromoform	ND U	5.0	1	10/31/18 17:40	
Bromomethane	ND U	5.0	1	10/31/18 17:40	
2-Butanone (MEK)	ND U	10	1	10/31/18 17:40	
Carbon Disulfide	ND U	10	1	10/31/18 17:40	
Carbon Tetrachloride	ND U	5.0	1	10/31/18 17:40	
Chlorobenzene	ND U	5.0	1	10/31/18 17:40	
Chloroethane	ND U	5.0	1	10/31/18 17:40	
Chloroform	ND U	5.0	1	10/31/18 17:40	
Chloromethane	ND U	5.0	1	10/31/18 17:40	
Dibromochloromethane	ND U	5.0	1	10/31/18 17:40	
1,1-Dichloroethane	ND U	5.0	1	10/31/18 17:40	
1,2-Dichloroethane	ND U	5.0	1	10/31/18 17:40	
1,1-Dichloroethene	ND U	5.0	1	10/31/18 17:40	
cis-1,2-Dichloroethene	ND U	5.0	1	10/31/18 17:40	
trans-1,2-Dichloroethene	ND U	5.0	1	10/31/18 17:40	
1,2-Dichloropropane	ND U	5.0	1	10/31/18 17:40	
cis-1,3-Dichloropropene	ND U	5.0	1	10/31/18 17:40	
trans-1,3-Dichloropropene	ND U	5.0	1	10/31/18 17:40	
Ethylbenzene	ND U	5.0	1	10/31/18 17:40	
2-Hexanone	ND U	10	1	10/31/18 17:40	
Methylene Chloride	ND U	5.0	1	10/31/18 17:40	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/31/18 17:40	
Styrene	ND U	5.0	1	10/31/18 17:40	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/31/18 17:40	
Tetrachloroethene	ND U	5.0	1	10/31/18 17:40	
Toluene	ND U	5.0	1	10/31/18 17:40	
1,1,1-Trichloroethane	ND U	5.0	1	10/31/18 17:40	
1,1,2-Trichloroethane	ND U	5.0	1	10/31/18 17:40	
Trichloroethene	ND U	5.0	1	10/31/18 17:40	
Vinyl Chloride	ND U	5.0	1	10/31/18 17:40	
o-Xylene	ND U	5.0	1	10/31/18 17:40	
m,p-Xylenes	ND U	5.0	1	10/31/18 17:40	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 12:30
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-204-102518-1230	**Units:**	ug/L
Lab Code:	R1810451-010	**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	97	85 - 122	10/31/18 17:40	
Toluene-d8	100	87 - 121	10/31/18 17:40	
Dibromofluoromethane	99	89 - 119	10/31/18 17:40	

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 13:50
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	OW-306-102518-1350	**Units:**	ug/L
Lab Code:	R1810451-011	**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	10/31/18 18:02	
Benzene	ND U	5.0	1	10/31/18 18:02	
Bromodichloromethane	ND U	5.0	1	10/31/18 18:02	
Bromoform	ND U	5.0	1	10/31/18 18:02	
Bromomethane	ND U	5.0	1	10/31/18 18:02	
2-Butanone (MEK)	ND U	10	1	10/31/18 18:02	
Carbon Disulfide	ND U	10	1	10/31/18 18:02	
Carbon Tetrachloride	ND U	5.0	1	10/31/18 18:02	
Chlorobenzene	ND U	5.0	1	10/31/18 18:02	
Chloroethane	ND U	5.0	1	10/31/18 18:02	
Chloroform	ND U	5.0	1	10/31/18 18:02	
Chloromethane	ND U	5.0	1	10/31/18 18:02	
Dibromochloromethane	ND U	5.0	1	10/31/18 18:02	
1,1-Dichloroethane	ND U	5.0	1	10/31/18 18:02	
1,2-Dichloroethane	ND U	5.0	1	10/31/18 18:02	
1,1-Dichloroethene	ND U	5.0	1	10/31/18 18:02	
cis-1,2-Dichloroethene	ND U	5.0	1	10/31/18 18:02	
trans-1,2-Dichloroethene	ND U	5.0	1	10/31/18 18:02	
1,2-Dichloropropane	ND U	5.0	1	10/31/18 18:02	
cis-1,3-Dichloropropene	ND U	5.0	1	10/31/18 18:02	
trans-1,3-Dichloropropene	ND U	5.0	1	10/31/18 18:02	
Ethylbenzene	ND U	5.0	1	10/31/18 18:02	
2-Hexanone	ND U	10	1	10/31/18 18:02	
Methylene Chloride	ND U	5.0	1	10/31/18 18:02	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/31/18 18:02	
Styrene	ND U	5.0	1	10/31/18 18:02	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/31/18 18:02	
Tetrachloroethene	ND U	5.0	1	10/31/18 18:02	
Toluene	ND U	5.0	1	10/31/18 18:02	
1,1,1-Trichloroethane	ND U	5.0	1	10/31/18 18:02	
1,1,2-Trichloroethane	ND U	5.0	1	10/31/18 18:02	
Trichloroethene	ND U	5.0	1	10/31/18 18:02	
Vinyl Chloride	ND U	5.0	1	10/31/18 18:02	
o-Xylene	ND U	5.0	1	10/31/18 18:02	
m,p-Xylenes	ND U	5.0	1	10/31/18 18:02	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 13:50
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	OW-306-102518-1350	**Units:**	ug/L
Lab Code:	R1810451-011	**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	10/31/18 18:02	
Toluene-d8	100	87 - 121	10/31/18 18:02	
Dibromofluoromethane	98	89 - 119	10/31/18 18:02	

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 14:40
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-203-102518-1440	**Units:**	ug/L
Lab Code:	R1810451-012	**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	10/31/18 18:24	
Benzene	ND U	5.0	1	10/31/18 18:24	
Bromodichloromethane	ND U	5.0	1	10/31/18 18:24	
Bromoform	ND U	5.0	1	10/31/18 18:24	
Bromomethane	ND U	5.0	1	10/31/18 18:24	
2-Butanone (MEK)	ND U	10	1	10/31/18 18:24	
Carbon Disulfide	ND U	10	1	10/31/18 18:24	
Carbon Tetrachloride	ND U	5.0	1	10/31/18 18:24	
Chlorobenzene	ND U	5.0	1	10/31/18 18:24	
Chloroethane	ND U	5.0	1	10/31/18 18:24	
Chloroform	ND U	5.0	1	10/31/18 18:24	
Chloromethane	ND U	5.0	1	10/31/18 18:24	
Dibromochloromethane	ND U	5.0	1	10/31/18 18:24	
1,1-Dichloroethane	ND U	5.0	1	10/31/18 18:24	
1,2-Dichloroethane	ND U	5.0	1	10/31/18 18:24	
1,1-Dichloroethene	ND U	5.0	1	10/31/18 18:24	
cis-1,2-Dichloroethene	ND U	5.0	1	10/31/18 18:24	
trans-1,2-Dichloroethene	ND U	5.0	1	10/31/18 18:24	
1,2-Dichloropropane	ND U	5.0	1	10/31/18 18:24	
cis-1,3-Dichloropropene	ND U	5.0	1	10/31/18 18:24	
trans-1,3-Dichloropropene	ND U	5.0	1	10/31/18 18:24	
Ethylbenzene	ND U	5.0	1	10/31/18 18:24	
2-Hexanone	ND U	10	1	10/31/18 18:24	
Methylene Chloride	ND U	5.0	1	10/31/18 18:24	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/31/18 18:24	
Styrene	ND U	5.0	1	10/31/18 18:24	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/31/18 18:24	
Tetrachloroethene	ND U	5.0	1	10/31/18 18:24	
Toluene	ND U	5.0	1	10/31/18 18:24	
1,1,1-Trichloroethane	ND U	5.0	1	10/31/18 18:24	
1,1,2-Trichloroethane	ND U	5.0	1	10/31/18 18:24	
Trichloroethene	ND U	5.0	1	10/31/18 18:24	
Vinyl Chloride	ND U	5.0	1	10/31/18 18:24	
o-Xylene	ND U	5.0	1	10/31/18 18:24	
m,p-Xylenes	ND U	5.0	1	10/31/18 18:24	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 14:40
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-203-102518-1440	**Units:**	ug/L
Lab Code:	R1810451-012	**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	98	85 - 122	10/31/18 18:24	
Toluene-d8	96	87 - 121	10/31/18 18:24	
Dibromofluoromethane	95	89 - 119	10/31/18 18:24	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R1810451-013	**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	10/31/18 16:14	
Benzene	ND U	5.0	1	10/31/18 16:14	
Bromodichloromethane	ND U	5.0	1	10/31/18 16:14	
Bromoform	ND U	5.0	1	10/31/18 16:14	
Bromomethane	ND U	5.0	1	10/31/18 16:14	
2-Butanone (MEK)	ND U	10	1	10/31/18 16:14	
Carbon Disulfide	ND U	10	1	10/31/18 16:14	
Carbon Tetrachloride	ND U	5.0	1	10/31/18 16:14	
Chlorobenzene	ND U	5.0	1	10/31/18 16:14	
Chloroethane	ND U	5.0	1	10/31/18 16:14	
Chloroform	ND U	5.0	1	10/31/18 16:14	
Chloromethane	ND U	5.0	1	10/31/18 16:14	
Dibromochloromethane	ND U	5.0	1	10/31/18 16:14	
1,1-Dichloroethane	ND U	5.0	1	10/31/18 16:14	
1,2-Dichloroethane	ND U	5.0	1	10/31/18 16:14	
1,1-Dichloroethene	ND U	5.0	1	10/31/18 16:14	
cis-1,2-Dichloroethene	ND U	5.0	1	10/31/18 16:14	
trans-1,2-Dichloroethene	ND U	5.0	1	10/31/18 16:14	
1,2-Dichloropropane	ND U	5.0	1	10/31/18 16:14	
cis-1,3-Dichloropropene	ND U	5.0	1	10/31/18 16:14	
trans-1,3-Dichloropropene	ND U	5.0	1	10/31/18 16:14	
Ethylbenzene	ND U	5.0	1	10/31/18 16:14	
2-Hexanone	ND U	10	1	10/31/18 16:14	
Methylene Chloride	ND U	5.0	1	10/31/18 16:14	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/31/18 16:14	
Styrene	ND U	5.0	1	10/31/18 16:14	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/31/18 16:14	
Tetrachloroethene	ND U	5.0	1	10/31/18 16:14	
Toluene	ND U	5.0	1	10/31/18 16:14	
1,1,1-Trichloroethane	ND U	5.0	1	10/31/18 16:14	
1,1,2-Trichloroethane	ND U	5.0	1	10/31/18 16:14	
Trichloroethene	ND U	5.0	1	10/31/18 16:14	
Vinyl Chloride	ND U	5.0	1	10/31/18 16:14	
o-Xylene	ND U	5.0	1	10/31/18 16:14	
m,p-Xylenes	ND U	5.0	1	10/31/18 16:14	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R1810451-013	**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	10/31/18 16:14	
Toluene-d8	97	87 - 121	10/31/18 16:14	
Dibromofluoromethane	96	89 - 119	10/31/18 16:14	

Volatile Organic Compounds by GC

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dba ALS Environmental

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 10:00
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-3-102518-1000	**Units:**	ug/L
Lab Code:	R1810451-001	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Ethane	ND U	26	25	11/01/18 12:36	
Ethylene	**27**	25	25	11/01/18 12:36	
Methane	**1500**	26	25	11/01/18 12:36	
Propane	ND U	26	25	11/01/18 12:36	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 16:15
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-205-102518-1615	**Units:**	ug/L
Lab Code:	R1810451-005	**Basis:**	NA

Dissolved Gases by GC/FID

Analysis Method: RSK 175

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
Ethane	ND	U	100	100	11/01/18 12:46	
Ethylene	ND	U	100	100	11/01/18 12:46	
Methane	**7000**		110	100	11/01/18 12:46	
Propane	ND	U	100	100	11/01/18 12:46	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 11:10
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-202-102518-1110	**Units:**	ug/L
Lab Code:	R1810451-008	**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	11/01/18 12:55	
Ethylene	**1.7**	1.0	1	11/01/18 12:55	
Methane	**24**	1.1	1	11/01/18 12:55	
Propane	ND U	1.0	1	11/01/18 12:55	

Semivolatile Organic Compounds by GC

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Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 16:15
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-205-102518-1615	**Units:**	mg/L
Lab Code:	R1810451-005	**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	11/01/18 13:47	
Acetic Acid	**1500**		20	20	11/01/18 13:47	
Butanoic Acid (Butyric Acid)	**3200**		40	20	11/01/18 13:47	
Lactic Acid	ND	U	20	20	11/01/18 13:47	
Propionic Acid	**970**		20	20	11/01/18 13:47	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 11:10
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-202-102518-1110	**Units:**	mg/L
Lab Code:	R1810451-008	**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	11/01/18 14:22	
Acetic Acid	ND U	1.0	1	11/01/18 14:22	
Butanoic Acid (Butyric Acid)	ND U	2.0	1	11/01/18 14:22	
Lactic Acid	ND U	1.0	1	11/01/18 14:22	
Propionic Acid	ND U	1.0	1	11/01/18 14:22	

Metals

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Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 10:00
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-3-102518-1000	**Basis:**	NA
Lab Code:	R1810451-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	**12800**	ug/L	100	1	11/03/18 00:07	10/31/18	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 10:00
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-3-102518-1000 Diss	**Basis:**	NA
Lab Code:	R1810451-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	ND U	ug/L	100	1	11/03/18 00:10	10/31/18	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 16:15
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-205-102518-1615	**Basis:**	NA
Lab Code:	R1810451-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	**101000**	ug/L	1000	10	11/03/18 00:13	10/31/18	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 16:15
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-205-102518-1615 Diss	**Basis:**	NA
Lab Code:	R1810451-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	**101000**	ug/L	1000	10	11/03/18 00:23	10/31/18	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 11:10
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-202-102518-1110	**Basis:**	NA
Lab Code:	R1810451-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	6010C	**210**	ug/L	100	1	11/03/18 00:26	10/31/18	

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 11:10
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-202-102518-1110 Diss	**Basis:**	NA
Lab Code:	R1810451-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	ND U	ug/L	100	1	11/03/18 00:29	10/31/18	

General Chemistry

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Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 10:00
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-3-102518-1000	**Basis:**	NA
Lab Code:	R1810451-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**203**	mg/L	2.0	1	11/01/18 17:51	NA	
Chloride	9056A	**341**	mg/L	20	100	10/26/18 16:50	NA	
Nitrate as Nitrogen	9056A	ND U	mg/L	1.0	10	10/26/18 16:44	NA	
Nitrite as Nitrogen	9056A	ND U	mg/L	1.0	10	10/26/18 16:44	NA	
Sulfate	9056A	**24.0**	mg/L	2.0	10	10/26/18 16:44	NA	
Sulfide, Acid-Soluble	9034	ND U	mg/L	1.0	1	10/30/18 13:20	10/30/18	

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 16:15
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-205-102518-1615	**Basis:**	NA
Lab Code:	R1810451-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**3080**	mg/L	2.0	1	11/01/18 18:11	NA	
Chloride	9056A	**668**	mg/L	20	100	10/26/18 17:00	NA	
Nitrate as Nitrogen	9056A	ND U	mg/L	1.0	10	10/26/18 16:55	NA	
Nitrite as Nitrogen	9056A	ND U	mg/L	1.0	10	10/26/18 16:55	NA	
Sulfate	9056A	ND U	mg/L	2.0	10	10/26/18 16:55	NA	
Sulfide, Acid-Soluble	9034	ND U	mg/L	1.0	1	10/30/18 13:20	10/30/18	

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18 11:10
Sample Matrix:	Water	**Date Received:**	10/26/18 14:30
Sample Name:	MW-202-102518-1110	**Basis:**	NA
Lab Code:	R1810451-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	**131**	mg/L	2.0	1	11/01/18 18:37	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	**1.1**	mg/L	1.0	1	10/31/18 01:34	NA	
Chloride	9056A	**1260**	mg/L	40	200	10/26/18 17:37	NA	
Nitrate as Nitrogen	9056A	ND U	mg/L	1.0	10	10/26/18 17:11	NA	
Nitrite as Nitrogen	9056A	ND U	mg/L	1.0	10	10/26/18 17:11	NA	
Sulfate	9056A	**386**	mg/L	20	100	10/26/18 17:16	NA	
Sulfide, Acid-Soluble	9034	ND U	mg/L	1.0	1	10/30/18 13:20	10/30/18	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Client: Haley & Aldrich, Incorporated **Service Request:** R1810451
Project: Coopervision/129375-003
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Toluene-d8 87-121	Dibromofluoromethane 89-119
MW-3-102518-1000	R1810451-001	101	100	100
MW-502-102618-1115	R1810451-003	98	100	98
OWS-302-102618-1320	R1810451-004	89	101	93
MW-205-102518-1615	R1810451-005	95	100	93
MW-501-102618-1235	R1810451-007	105	110	103
MW-202-102518-1110	R1810451-008	94	100	100
MW-204-102518-1230	R1810451-010	97	100	99
OW-306-102518-1350	R1810451-011	93	100	98
MW-203-102518-1440	R1810451-012	98	96	95
Trip Blank	R1810451-013	91	97	96
Method Blank	RQ1811944-04	93	99	93
Method Blank	RQ1811986-04	105	105	102
Lab Control Sample	RQ1811944-03	104	107	111
Lab Control Sample	RQ1811986-03	110	113	105
MW-205-102518-1615 MS	RQ1811944-05	91	100	96
MW-205-102518-1615 DMS	RQ1811944-06	108	109	109

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	10/25/18
Sample Matrix:	Water	**Date Received:**	10/26/18
		Date Analyzed:	10/31/18
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-205-102518-1615	**Units:**	ug/L
Lab Code:	R1810451-005	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ1811944-05			Duplicate Matrix Spike RQ1811944-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Acetone	45000	142000	100000	97	167000	100000	122	35-183	16	30
Benzene	ND U	105000	100000	105	107000	100000	107	76-129	1	30
Bromodichloromethane	ND U	103000	100000	103	109000	100000	109	78-133	6	30
Bromoform	ND U	89500	100000	89	94500	100000	95	58-133	6	30
Bromomethane	ND U	60900	100000	61	69300	100000	69	10-184	13	30
2-Butanone (MEK)	24000	134000	100000	110	145000	100000	121	61-137	8	30
Carbon Disulfide	ND U	106000	100000	106	116000	100000	116	59-140	9	30
Carbon Tetrachloride	ND U	99200	100000	99	104000	100000	104	65-135	4	30
Chlorobenzene	ND U	99700	100000	100	98000	100000	98	76-125	2	30
Chloroethane	ND U	79100	100000	79	85700	100000	86	48-146	8	30
Chloroform	ND U	98200	100000	98	108000	100000	108	75-130	9	30
Chloromethane	ND U	115000	100000	115	122000	100000	122	55-160	5	30
Dibromochloromethane	ND U	99100	100000	99	99500	100000	99	72-128	<1	30
1,1-Dichloroethane	270000	325000	100000	56 *	439000 E	100000	170 *	74-132	30	30
1,2-Dichloroethane	ND U	108000	100000	108	108000	100000	108	68-130	<1	30
1,1-Dichloroethene	ND U	111000	100000	111	118000	100000	118	71-118	6	30
cis-1,2-Dichloroethene	ND U	91900	100000	92	98400	100000	98	77-127	7	30
trans-1,2-Dichloroethene	ND U	102000	100000	102	109000	100000	109	73-118	7	30
1,2-Dichloropropane	ND U	106000	100000	106	106000	100000	106	79-124	<1	30
cis-1,3-Dichloropropene	ND U	106000	100000	106	121000	100000	121	52-134	13	30
trans-1,3-Dichloropropene	ND U	104000	100000	104	119000	100000	119	71-133	13	30
Ethylbenzene	ND U	108000	100000	108	106000	100000	106	72-134	2	30
2-Hexanone	ND U	112000	100000	112	112000	100000	112	56-132	<1	30
Methylene Chloride	ND U	101000	100000	101	109000	100000	109	73-122	7	30
4-Methyl-2-pentanone (MIBK)	ND U	117000	100000	117	132000	100000	132	60-141	12	30
Styrene	ND U	109000	100000	109	105000	100000	105	74-136	4	30
1,1,2,2-Tetrachloroethane	ND U	91600	100000	92	95000	100000	95	72-122	4	30
Tetrachloroethene	ND U	105000	100000	105	103000	100000	103	72-125	2	30
Toluene	ND U	102000	100000	102	115000	100000	115	79-119	12	30
1,1,1-Trichloroethane	54000	153000	100000	99	174000	100000	120	74-127	13	30
1,1,2-Trichloroethane	ND U	95700	100000	96	108000	100000	108	82-121	12	30
Trichloroethene	ND U	102000	100000	102	106000	100000	106	74-122	4	30
Vinyl Chloride	ND U	107000	100000	107	117000	100000	117	74-159	9	30
o-Xylene	ND U	101000	100000	101	100000	100000	100	79-123	<1	30
m,p-Xylenes	ND U	217000	200000	108	207000	200000	103	80-126	5	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.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1811944-04	**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	10/31/18 12:51	
Benzene	ND U	5.0	1	10/31/18 12:51	
Bromodichloromethane	ND U	5.0	1	10/31/18 12:51	
Bromoform	ND U	5.0	1	10/31/18 12:51	
Bromomethane	ND U	5.0	1	10/31/18 12:51	
2-Butanone (MEK)	ND U	10	1	10/31/18 12:51	
Carbon Disulfide	ND U	10	1	10/31/18 12:51	
Carbon Tetrachloride	ND U	5.0	1	10/31/18 12:51	
Chlorobenzene	ND U	5.0	1	10/31/18 12:51	
Chloroethane	ND U	5.0	1	10/31/18 12:51	
Chloroform	ND U	5.0	1	10/31/18 12:51	
Chloromethane	ND U	5.0	1	10/31/18 12:51	
Dibromochloromethane	ND U	5.0	1	10/31/18 12:51	
1,1-Dichloroethane	ND U	5.0	1	10/31/18 12:51	
1,2-Dichloroethane	ND U	5.0	1	10/31/18 12:51	
1,1-Dichloroethene	ND U	5.0	1	10/31/18 12:51	
cis-1,2-Dichloroethene	ND U	5.0	1	10/31/18 12:51	
trans-1,2-Dichloroethene	ND U	5.0	1	10/31/18 12:51	
1,2-Dichloropropane	ND U	5.0	1	10/31/18 12:51	
cis-1,3-Dichloropropene	ND U	5.0	1	10/31/18 12:51	
trans-1,3-Dichloropropene	ND U	5.0	1	10/31/18 12:51	
Ethylbenzene	ND U	5.0	1	10/31/18 12:51	
2-Hexanone	ND U	10	1	10/31/18 12:51	
Methylene Chloride	ND U	5.0	1	10/31/18 12:51	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	10/31/18 12:51	
Styrene	ND U	5.0	1	10/31/18 12:51	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	10/31/18 12:51	
Tetrachloroethene	ND U	5.0	1	10/31/18 12:51	
Toluene	ND U	5.0	1	10/31/18 12:51	
1,1,1-Trichloroethane	ND U	5.0	1	10/31/18 12:51	
1,1,2-Trichloroethane	ND U	5.0	1	10/31/18 12:51	
Trichloroethene	ND U	5.0	1	10/31/18 12:51	
Vinyl Chloride	ND U	5.0	1	10/31/18 12:51	
o-Xylene	ND U	5.0	1	10/31/18 12:51	
m,p-Xylenes	ND U	5.0	1	10/31/18 12:51	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1811944-04	**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	10/31/18 12:51	
Toluene-d8	99	87 - 121	10/31/18 12:51	
Dibromofluoromethane	93	89 - 119	10/31/18 12:51	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1811986-04	**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	11/01/18 12:13	
Benzene	ND U	5.0	1	11/01/18 12:13	
Bromodichloromethane	ND U	5.0	1	11/01/18 12:13	
Bromoform	ND U	5.0	1	11/01/18 12:13	
Bromomethane	ND U	5.0	1	11/01/18 12:13	
2-Butanone (MEK)	ND U	10	1	11/01/18 12:13	
Carbon Disulfide	ND U	10	1	11/01/18 12:13	
Carbon Tetrachloride	ND U	5.0	1	11/01/18 12:13	
Chlorobenzene	ND U	5.0	1	11/01/18 12:13	
Chloroethane	ND U	5.0	1	11/01/18 12:13	
Chloroform	ND U	5.0	1	11/01/18 12:13	
Chloromethane	ND U	5.0	1	11/01/18 12:13	
Dibromochloromethane	ND U	5.0	1	11/01/18 12:13	
1,1-Dichloroethane	ND U	5.0	1	11/01/18 12:13	
1,2-Dichloroethane	ND U	5.0	1	11/01/18 12:13	
1,1-Dichloroethene	ND U	5.0	1	11/01/18 12:13	
cis-1,2-Dichloroethene	ND U	5.0	1	11/01/18 12:13	
trans-1,2-Dichloroethene	ND U	5.0	1	11/01/18 12:13	
1,2-Dichloropropane	ND U	5.0	1	11/01/18 12:13	
cis-1,3-Dichloropropene	ND U	5.0	1	11/01/18 12:13	
trans-1,3-Dichloropropene	ND U	5.0	1	11/01/18 12:13	
Ethylbenzene	ND U	5.0	1	11/01/18 12:13	
2-Hexanone	ND U	10	1	11/01/18 12:13	
Methylene Chloride	ND U	5.0	1	11/01/18 12:13	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	11/01/18 12:13	
Styrene	ND U	5.0	1	11/01/18 12:13	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	11/01/18 12:13	
Tetrachloroethene	ND U	5.0	1	11/01/18 12:13	
Toluene	ND U	5.0	1	11/01/18 12:13	
1,1,1-Trichloroethane	ND U	5.0	1	11/01/18 12:13	
1,1,2-Trichloroethane	ND U	5.0	1	11/01/18 12:13	
Trichloroethene	ND U	5.0	1	11/01/18 12:13	
Vinyl Chloride	ND U	5.0	1	11/01/18 12:13	
o-Xylene	ND U	5.0	1	11/01/18 12:13	
m,p-Xylenes	ND U	5.0	1	11/01/18 12:13	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1811986-04	**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	105	85 - 122	11/01/18 12:13	
Toluene-d8	105	87 - 121	11/01/18 12:13	
Dibromofluoromethane	102	89 - 119	11/01/18 12:13	

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-003
Sample Matrix: Water

Service Request: R1810451
Date Analyzed: 10/31/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1811944-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Acetone	8260C	17.9	20.0	90	40-161
Benzene	8260C	19.6	20.0	98	79-119
Bromodichloromethane	8260C	22.6	20.0	113	81-123
Bromoform	8260C	18.3	20.0	91	65-146
Bromomethane	8260C	14.4	20.0	72	42-166
2-Butanone (MEK)	8260C	20.0	20.0	100	61-137
Carbon Disulfide	8260C	18.2	20.0	91	66-128
Carbon Tetrachloride	8260C	19.8	20.0	99	70-127
Chlorobenzene	8260C	19.0	20.0	95	80-121
Chloroethane	8260C	14.1	20.0	70	62-131
Chloroform	8260C	19.9	20.0	99	79-120
Chloromethane	8260C	21.4	20.0	107	65-135
Dibromochloromethane	8260C	18.5	20.0	93	72-128
1,1-Dichloroethane	8260C	21.0	20.0	105	80-124
1,2-Dichloroethane	8260C	20.6	20.0	103	71-127
1,1-Dichloroethene	8260C	20.0	20.0	100	71-118
cis-1,2-Dichloroethene	8260C	17.7	20.0	88	80-121
trans-1,2-Dichloroethene	8260C	18.7	20.0	93	73-118
1,2-Dichloropropane	8260C	19.5	20.0	97	80-119
cis-1,3-Dichloropropene	8260C	22.4	20.0	112	77-122
trans-1,3-Dichloropropene	8260C	21.6	20.0	108	71-133
Ethylbenzene	8260C	19.0	20.0	95	76-120
2-Hexanone	8260C	19.8	20.0	99	63-124
Methylene Chloride	8260C	18.7	20.0	94	73-122
4-Methyl-2-pentanone (MIBK)	8260C	22.8	20.0	114	66-124
Styrene	8260C	19.4	20.0	97	80-124
1,1,2,2-Tetrachloroethane	8260C	17.6	20.0	88	78-126
Tetrachloroethene	8260C	18.1	20.0	91	72-125
Toluene	8260C	20.8	20.0	104	79-119
1,1,1-Trichloroethane	8260C	18.8	20.0	94	75-125
1,1,2-Trichloroethane	8260C	20.1	20.0	100	82-121
Trichloroethene	8260C	19.8	20.0	99	74-122
Vinyl Chloride	8260C	19.8	20.0	99	74-159

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-003
Sample Matrix: Water

Service Request: R1810451
Date Analyzed: 10/31/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1811944-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	18.4	20.0	92	79-123
m,p-Xylenes	8260C	38.2	40.0	96	80-126

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-003
Sample Matrix: Water

Service Request: R1810451
Date Analyzed: 11/01/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1811986-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Acetone	8260C	18.2	20.0	91	40-161
Benzene	8260C	19.2	20.0	96	79-119
Bromodichloromethane	8260C	19.8	20.0	99	81-123
Bromoform	8260C	18.0	20.0	90	65-146
Bromomethane	8260C	14.3	20.0	72	42-166
2-Butanone (MEK)	8260C	19.1	20.0	95	61-137
Carbon Disulfide	8260C	21.8	20.0	109	66-128
Carbon Tetrachloride	8260C	16.9	20.0	84	70-127
Chlorobenzene	8260C	17.1	20.0	85	80-121
Chloroethane	8260C	15.1	20.0	75	62-131
Chloroform	8260C	18.6	20.0	93	79-120
Chloromethane	8260C	21.0	20.0	105	65-135
Dibromochloromethane	8260C	17.9	20.0	90	72-128
1,1-Dichloroethane	8260C	22.4	20.0	112	80-124
1,2-Dichloroethane	8260C	20.2	20.0	101	71-127
1,1-Dichloroethene	8260C	19.2	20.0	96	71-118
cis-1,2-Dichloroethene	8260C	17.1	20.0	85	80-121
trans-1,2-Dichloroethene	8260C	18.9	20.0	95	73-118
1,2-Dichloropropane	8260C	18.4	20.0	92	80-119
cis-1,3-Dichloropropene	8260C	21.6	20.0	108	77-122
trans-1,3-Dichloropropene	8260C	21.0	20.0	105	71-133
Ethylbenzene	8260C	17.3	20.0	86	76-120
2-Hexanone	8260C	18.9	20.0	95	63-124
Methylene Chloride	8260C	20.3	20.0	102	73-122
4-Methyl-2-pentanone (MIBK)	8260C	22.0	20.0	110	66-124
Styrene	8260C	18.6	20.0	93	80-124
1,1,2,2-Tetrachloroethane	8260C	16.3	20.0	81	78-126
Tetrachloroethene	8260C	16.8	20.0	84	72-125
Toluene	8260C	19.9	20.0	100	79-119
1,1,1-Trichloroethane	8260C	17.9	20.0	89	75-125
1,1,2-Trichloroethane	8260C	20.1	20.0	101	82-121
Trichloroethene	8260C	18.9	20.0	95	74-122
Vinyl Chloride	8260C	19.9	20.0	100	74-159

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-003
Sample Matrix: Water

Service Request: R1810451
Date Analyzed: 11/01/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1811986-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	17.4	20.0	87	79-123
m,p-Xylenes	8260C	34.9	40.0	87	80-126

Volatile Organic Compounds by GC

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

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1811994-02	**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	11/01/18 12:04	
Ethylene	ND U	1.0	1	11/01/18 12:04	
Methane	ND U	1.1	1	11/01/18 12:04	
Propane	ND U	1.0	1	11/01/18 12:04	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1811994-06	**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	11/01/18 12:04	
Ethylene	ND U	1.0	1	11/01/18 12:04	
Methane	ND U	1.1	1	11/01/18 12:04	
Propane	ND U	1.0	1	11/01/18 12:04	

ALS Group USA, Corp.
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QA/QC Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-003
Sample Matrix: Water

Service Request: R1810451
Date Analyzed: 11/01/18

Duplicate Lab Control Sample Summary
Dissolved Gases by GC/FID

Units:ug/L
Basis:NA

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ1811994-03			RQ1811994-04				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Ethane	RSK 175	25.8	26.0	99	24.2	26.0	93	76-126	6	20
Ethylene	RSK 175	22.7	24.3	94	21.9	24.3	90	73-129	4	20
Methane	RSK 175	26.1	26.2	100	24.2	26.2	92	75-128	7	20
Propane	RSK 175	25.1	25.4	99	22.9	25.4	90	73-131	9	20

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-003
Sample Matrix: Water

Service Request: R1810451
Date Analyzed: 11/01/18

Duplicate Lab Control Sample Summary
Dissolved Gases by GC/FID

Units:ug/L
Basis:NA

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ1811994-07			RQ1811994-08				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Ethane	RSK 175	25.8	26.0	99	24.2	26.0	93	76-126	6	20
Ethylene	RSK 175	22.7	24.3	94	21.9	24.3	90	73-129	4	20
Methane	RSK 175	26.1	26.2	100	24.2	26.2	92	75-128	7	20
Propane	RSK 175	25.1	25.4	99	22.9	25.4	90	73-131	9	20

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
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www.alsglobal.com

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	mg/L
Lab Code:	RQ1812031-01	**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	11/01/18 12:02	
Acetic Acid	ND U	1.0	1	11/01/18 12:02	
Butanoic Acid (Butyric Acid)	ND U	2.0	1	11/01/18 12:02	
Lactic Acid	ND U	1.0	1	11/01/18 12:02	
Propionic Acid	ND U	1.0	1	11/01/18 12:02	

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-003
Sample Matrix: Water

Service Request: R1810451
Date Analyzed: 11/01/18

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					
		RQ1812031-02			RQ1812031-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyruvic Acid	Organic Acids	3.29	2.02	163 *	3.25	2.02	161 *	73-122	1	30
Acetic Acid	Organic Acids	22.6	19.9	114	21.9	19.9	110	80-130	3	30
Butanoic Acid (Butyric Acid)	Organic Acids	23.4	20.3	115	24.9	20.3	123	86-128	6	30
Lactic Acid	Organic Acids	23.1	20.6	112	22.7	20.6	110	75-125	1	30
Propionic Acid	Organic Acids	21.5	20.0	107	21.1	20.0	105	63-153	2	30

Metals

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

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R1810451-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Dissolved	6010C	ND U	ug/L	100	1	11/02/18 23:05	10/31/18	
Iron, Total	6010C	ND U	ug/L	100	1	11/02/18 23:05	10/31/18	

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-003
Sample Matrix: Water

Service Request: R1810451
Date Analyzed: 11/02/18

Duplicate Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

			Lab Control Sample		Duplicate Lab Control Sample					
			R1810451-LCS		R1810451-DLCS					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Iron, Dissolved	6010C	977	1000	98	985	1000	99	80-120	<1	20
Iron, Total	6010C	977	1000	98	985	1000	99	80-120	<1	20

General Chemistry

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

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R1810451-MB1		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	ND	U	mg/L	2.0	1	11/01/18 17:27	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	ND	U	mg/L	1.0	1	10/31/18 00:52	NA	
Chloride	9056A	ND	U	mg/L	0.20	1	10/26/18 15:19	NA	
Nitrate as Nitrogen	9056A	ND	U	mg/L	0.10	1	10/26/18 15:19	NA	
Nitrite as Nitrogen	9056A	ND	U	mg/L	0.10	1	10/26/18 15:19	NA	
Sulfate	9056A	ND	U	mg/L	0.20	1	10/26/18 15:19	NA	
Sulfide, Acid-Soluble	9034	ND	U	mg/L	1.0	1	10/30/18 13:20	10/30/18	

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project:	Coopervision/129375-003	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R1810451-MB2		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	9056A	ND U	mg/L	0.20	1	10/26/18 17:27	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R1810451
Project	Coopervision/129375-003	**Date Collected:**	10/25/18
Sample Matrix:	Water	**Date Received:**	10/26/18
		Date Analyzed:	11/01/18

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-205-102518-1615	**Units:**	mg/L
Lab Code:	R1810451-005	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R1810451-005DUP Result	Average	RPD	RPD Limit
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0	3080	3080	3080	<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.

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-003
Sample Matrix: Water

Service Request: R1810451
Date Analyzed: 10/26/18 - 11/01/18

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1810451-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	22.0	20.0	110	80-120
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	9.73	10.0	97	80-121
Chloride	9056A	1.96	2.00	98	80-120
Nitrate as Nitrogen	9056A	0.96	1.00	96	80-120
Nitrite as Nitrogen	9056A	0.94	1.00	94	80-120
Sulfate	9056A	2.10	2.00	105	80-120
Sulfide, Acid-Soluble	9034	6.0	9.5	63	10-125

Client: Haley & Aldrich, Incorporated
Project: Coopervision/129375-003
Sample Matrix: Water

Service Request: R1810451
Date Analyzed: 10/26/18

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1810451-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	9056A	1.92	2.00	96	80-120

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

May 07, 2019

Haley & Aldrich

Sample Delivery Group:	L1092865
Samples Received:	04/26/2019
Project Number:	129375-005
Description:	CooperVision, Inc

Report To: Mark Ramsdell
200 Town Centre Dr., Ste. 2
Rochester, NY 14623

Entire Report Reviewed By: Pamela A. Langford

Pam Langford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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MW3-042319-1055 L1092865-01 GW

Collected by | Collected date/time 04/23/19 10:55 | Received date/time 04/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1274856	1	05/03/19 20:46	05/03/19 20:46	GB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1272580	1	04/27/19 13:04	04/27/19 13:04	MJA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1274289	1	05/02/19 03:30	05/02/19 03:30	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1274289	5	05/02/19 03:44	05/02/19 03:44	ELN	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1274214	1	05/03/19 11:23	05/03/19 21:06	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 12:51	04/27/19 12:51	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	10	05/03/19 11:38	05/03/19 11:38	JHH	Mt. Juliet, TN

MW202-042319-1125 L1092865-02 GW

Collected by | Collected date/time 04/23/19 11:25 | Received date/time 04/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1274856	1	05/03/19 20:53	05/03/19 20:53	GB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1272580	1	04/27/19 13:05	04/27/19 13:05	MJA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1274289	1	05/02/19 03:58	05/02/19 03:58	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1274289	100	05/02/19 04:26	05/02/19 04:26	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1274289	5	05/02/19 04:12	05/02/19 04:12	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1273394	1	04/29/19 16:29	04/29/19 16:29	EEM	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1273189	1	04/30/19 11:20	04/30/19 17:18	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1274214	1	05/03/19 11:23	05/03/19 20:56	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 13:12	04/27/19 13:12	BMB	Mt. Juliet, TN

MW204-042319-1215 L1092865-03 GW

Collected by | Collected date/time 04/23/19 12:15 | Received date/time 04/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 13:31	04/27/19 13:31	BMB	Mt. Juliet, TN

MW306-042319-1350 L1092865-04 GW

Collected by | Collected date/time 04/23/19 13:50 | Received date/time 04/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 13:51	04/27/19 13:51	BMB	Mt. Juliet, TN

MW205-042319-1540 L1092865-05 GW

Collected by | Collected date/time 04/23/19 15:40 | Received date/time 04/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1274856	5	05/03/19 22:13	05/03/19 22:13	GB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1272580	1	04/27/19 13:05	04/27/19 13:05	MJA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1274289	1	05/02/19 09:53	05/02/19 09:53	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1274289	100	05/02/19 04:54	05/02/19 04:54	ELN	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1274214	1	05/03/19 11:23	05/03/19 21:09	TRB	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1274215	1	05/01/19 08:12	05/01/19 13:27	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 14:11	04/27/19 14:11	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	500	05/03/19 13:18	05/03/19 13:18	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	5000	05/03/19 14:39	05/03/19 14:39	JHH	Mt. Juliet, TN

MW203-042319-1440 L1092865-06 GW

Collected by	Collected date/time	Received date/time
	04/23/19 14:40	04/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 14:41	04/27/19 14:41	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	1	05/03/19 11:58	05/03/19 11:58	JHH	Mt. Juliet, TN

OWS302-042419-1020 L1092865-07 GW

Collected by	Collected date/time	Received date/time
	04/24/19 10:20	04/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 15:01	04/27/19 15:01	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	100	05/03/19 12:18	05/03/19 12:18	JHH	Mt. Juliet, TN

MW501-042419-1150 L1092865-08 GW

Collected by	Collected date/time	Received date/time
	04/24/19 11:50	04/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 15:21	04/27/19 15:21	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	10	05/03/19 12:38	05/03/19 12:38	JHH	Mt. Juliet, TN

MW502-042419-1325 L1092865-09 GW

Collected by	Collected date/time	Received date/time
	04/24/19 13:25	04/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 15:41	04/27/19 15:41	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1275623	20	05/03/19 12:58	05/03/19 12:58	JHH	Mt. Juliet, TN

1234-042319-0001 L1092865-10 GW

Collected by	Collected date/time	Received date/time
	04/23/19 00:00	04/26/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1272804	1	04/27/19 11:31	04/27/19 11:31	BMB	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Pamela A. Langford

Pam Langford
Project Manager

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	226		20.0	1	05/03/2019 20:46	WG1274856

Sample Narrative:
L1092865-01 WG1274856: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	04/27/2019 13:04	WG1272580

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	387		5.00	5	05/02/2019 03:44	WG1274289
Nitrate	ND	T8	0.100	1	05/02/2019 03:30	WG1274289
Nitrite	ND	T8	0.100	1	05/02/2019 03:30	WG1274289
Sulfate	30.9		5.00	1	05/02/2019 03:30	WG1274289

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Iron,Dissolved	ND		0.100	1	05/03/2019 21:06	WG1274214

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Acetone	ND		0.0500	1	04/27/2019 12:51	WG1272804
Acrolein	ND	J0	0.0500	1	04/27/2019 12:51	WG1272804
Acrylonitrile	ND		0.0100	1	04/27/2019 12:51	WG1272804
Benzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
Bromobenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
Bromodichloromethane	ND		0.00100	1	04/27/2019 12:51	WG1272804
Bromoform	ND		0.00100	1	04/27/2019 12:51	WG1272804
Bromomethane	ND	J0	0.00500	1	04/27/2019 12:51	WG1272804
n-Butylbenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
sec-Butylbenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
tert-Butylbenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
Carbon tetrachloride	ND		0.00100	1	04/27/2019 12:51	WG1272804
Chlorobenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
Chlorodibromomethane	ND		0.00100	1	04/27/2019 12:51	WG1272804
Chloroethane	0.222	J0	0.0500	10	05/03/2019 11:38	WG1275623
Chloroform	ND		0.00500	1	04/27/2019 12:51	WG1272804
Chloromethane	ND		0.00250	1	04/27/2019 12:51	WG1272804
2-Chlorotoluene	ND		0.00100	1	04/27/2019 12:51	WG1272804
4-Chlorotoluene	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	04/27/2019 12:51	WG1272804
1,2-Dibromoethane	ND		0.00100	1	04/27/2019 12:51	WG1272804
Dibromomethane	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,2-Dichlorobenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,3-Dichlorobenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,4-Dichlorobenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
Dichlorodifluoromethane	ND		0.00500	1	04/27/2019 12:51	WG1272804
1,1-Dichloroethane	0.0800		0.00100	1	04/27/2019 12:51	WG1272804
1,2-Dichloroethane	ND		0.00100	1	04/27/2019 12:51	WG1272804

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	0.00107		0.00100	1	04/27/2019 12:51	WG1272804
cis-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 12:51	WG1272804
trans-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,2-Dichloropropane	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,1-Dichloropropene	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,3-Dichloropropane	ND		0.00100	1	04/27/2019 12:51	WG1272804
cis-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 12:51	WG1272804
trans-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 12:51	WG1272804
2,2-Dichloropropane	ND		0.00100	1	04/27/2019 12:51	WG1272804
Di-isopropyl ether	ND		0.00100	1	04/27/2019 12:51	WG1272804
Ethylbenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
Hexachloro-1,3-butadiene	ND		0.00100	1	04/27/2019 12:51	WG1272804
Isopropylbenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
p-Isopropyltoluene	ND		0.00100	1	04/27/2019 12:51	WG1272804
2-Butanone (MEK)	ND		0.0100	1	04/27/2019 12:51	WG1272804
Methylene Chloride	ND		0.00500	1	04/27/2019 12:51	WG1272804
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	04/27/2019 12:51	WG1272804
Methyl tert-butyl ether	ND		0.00100	1	04/27/2019 12:51	WG1272804
Naphthalene	ND		0.00500	1	04/27/2019 12:51	WG1272804
n-Propylbenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
Styrene	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,1,1,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,1,2,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	04/27/2019 12:51	WG1272804
Tetrachloroethene	ND		0.00100	1	04/27/2019 12:51	WG1272804
Toluene	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,2,3-Trichlorobenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,2,4-Trichlorobenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,1,1-Trichloroethane	0.00752		0.00100	1	04/27/2019 12:51	WG1272804
1,1,2-Trichloroethane	ND		0.00100	1	04/27/2019 12:51	WG1272804
Trichloroethene	ND		0.00100	1	04/27/2019 12:51	WG1272804
Trichlorofluoromethane	ND	J0	0.00500	1	04/27/2019 12:51	WG1272804
1,2,3-Trichloropropane	ND		0.00250	1	04/27/2019 12:51	WG1272804
1,2,4-Trimethylbenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,2,3-Trimethylbenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
1,3,5-Trimethylbenzene	ND		0.00100	1	04/27/2019 12:51	WG1272804
Vinyl chloride	0.0216	J0	0.00100	1	04/27/2019 12:51	WG1272804
Xylenes, Total	ND		0.00300	1	04/27/2019 12:51	WG1272804
(S) Toluene-d8	*97.9*		*80.0-120*		*04/27/2019 12:51*	WG1272804
(S) Toluene-d8	*96.3*		*80.0-120*		*05/03/2019 11:38*	WG1275623
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*04/27/2019 12:51*	WG1272804
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*05/03/2019 11:38*	WG1275623
(S) 1,2-Dichloroethane-d4	*91.0*		*70.0-130*		*04/27/2019 12:51*	WG1272804
(S) 1,2-Dichloroethane-d4	*98.8*		*70.0-130*		*05/03/2019 11:38*	WG1275623

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	157		20.0	1	05/03/2019 20:53	WG1274856

Sample Narrative:
L1092865-02 WG1274856: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	04/27/2019 13:05	WG1272580

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	4550		100	100	05/02/2019 04:26	WG1274289
Nitrate	1.27	T8	0.100	1	05/02/2019 03:58	WG1274289
Nitrite	ND	T8	0.100	1	05/02/2019 03:58	WG1274289
Sulfate	377		25.0	5	05/02/2019 04:12	WG1274289

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC (Total Organic Carbon)	2.15	B	1.00	1	04/29/2019 16:29	WG1273394

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Iron	0.113		0.100	1	04/30/2019 17:18	WG1273189
Iron,Dissolved	ND		0.100	1	05/03/2019 20:56	WG1274214

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Acetone	ND		0.0500	1	04/27/2019 13:12	WG1272804
Acrolein	ND	J0	0.0500	1	04/27/2019 13:12	WG1272804
Acrylonitrile	ND		0.0100	1	04/27/2019 13:12	WG1272804
Benzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
Bromobenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
Bromodichloromethane	ND		0.00100	1	04/27/2019 13:12	WG1272804
Bromoform	ND		0.00100	1	04/27/2019 13:12	WG1272804
Bromomethane	ND	J0	0.00500	1	04/27/2019 13:12	WG1272804
n-Butylbenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
sec-Butylbenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
tert-Butylbenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
Carbon tetrachloride	ND		0.00100	1	04/27/2019 13:12	WG1272804
Chlorobenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
Chlorodibromomethane	ND		0.00100	1	04/27/2019 13:12	WG1272804
Chloroethane	ND	J0	0.00500	1	04/27/2019 13:12	WG1272804
Chloroform	ND		0.00500	1	04/27/2019 13:12	WG1272804
Chloromethane	ND		0.00250	1	04/27/2019 13:12	WG1272804
2-Chlorotoluene	ND		0.00100	1	04/27/2019 13:12	WG1272804
4-Chlorotoluene	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	04/27/2019 13:12	WG1272804
1,2-Dibromoethane	ND		0.00100	1	04/27/2019 13:12	WG1272804

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dibromomethane	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,2-Dichlorobenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,3-Dichlorobenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,4-Dichlorobenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
Dichlorodifluoromethane	ND		0.00500	1	04/27/2019 13:12	WG1272804
1,1-Dichloroethane	0.0669		0.00100	1	04/27/2019 13:12	WG1272804
1,2-Dichloroethane	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,1-Dichloroethene	0.0679		0.00100	1	04/27/2019 13:12	WG1272804
cis-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 13:12	WG1272804
trans-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,2-Dichloropropane	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,1-Dichloropropene	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,3-Dichloropropane	ND		0.00100	1	04/27/2019 13:12	WG1272804
cis-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 13:12	WG1272804
trans-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 13:12	WG1272804
2,2-Dichloropropane	ND		0.00100	1	04/27/2019 13:12	WG1272804
Di-isopropyl ether	ND		0.00100	1	04/27/2019 13:12	WG1272804
Ethylbenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
Hexachloro-1,3-butadiene	ND		0.00100	1	04/27/2019 13:12	WG1272804
Isopropylbenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
p-Isopropyltoluene	ND		0.00100	1	04/27/2019 13:12	WG1272804
2-Butanone (MEK)	ND		0.0100	1	04/27/2019 13:12	WG1272804
Methylene Chloride	ND		0.00500	1	04/27/2019 13:12	WG1272804
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	04/27/2019 13:12	WG1272804
Methyl tert-butyl ether	ND		0.00100	1	04/27/2019 13:12	WG1272804
Naphthalene	ND		0.00500	1	04/27/2019 13:12	WG1272804
n-Propylbenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
Styrene	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,1,1,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,1,2,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	04/27/2019 13:12	WG1272804
Tetrachloroethene	ND		0.00100	1	04/27/2019 13:12	WG1272804
Toluene	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,2,3-Trichlorobenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,2,4-Trichlorobenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,1,1-Trichloroethane	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,1,2-Trichloroethane	ND		0.00100	1	04/27/2019 13:12	WG1272804
Trichloroethene	ND		0.00100	1	04/27/2019 13:12	WG1272804
Trichlorofluoromethane	ND	J0	0.00500	1	04/27/2019 13:12	WG1272804
1,2,3-Trichloropropane	ND		0.00250	1	04/27/2019 13:12	WG1272804
1,2,4-Trimethylbenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,2,3-Trimethylbenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
1,3,5-Trimethylbenzene	ND		0.00100	1	04/27/2019 13:12	WG1272804
Vinyl chloride	ND	J0	0.00100	1	04/27/2019 13:12	WG1272804
Xylenes, Total	ND		0.00300	1	04/27/2019 13:12	WG1272804
(S) Toluene-d8	*98.9*		*80.0-120*		*04/27/2019 13:12*	WG1272804
(S) 4-Bromofluorobenzene	*107*		*77.0-126*		*04/27/2019 13:12*	WG1272804
(S) 1,2-Dichloroethane-d4	*93.4*		*70.0-130*		*04/27/2019 13:12*	WG1272804

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	04/27/2019 13:31	WG1272804
Acrolein	ND	J0	0.0500	1	04/27/2019 13:31	WG1272804
Acrylonitrile	ND		0.0100	1	04/27/2019 13:31	WG1272804
Benzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
Bromobenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
Bromodichloromethane	ND		0.00100	1	04/27/2019 13:31	WG1272804
Bromoform	ND		0.00100	1	04/27/2019 13:31	WG1272804
Bromomethane	ND	J0	0.00500	1	04/27/2019 13:31	WG1272804
n-Butylbenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
sec-Butylbenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
tert-Butylbenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
Carbon tetrachloride	ND		0.00100	1	04/27/2019 13:31	WG1272804
Chlorobenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
Chlorodibromomethane	ND		0.00100	1	04/27/2019 13:31	WG1272804
Chloroethane	ND	J0	0.00500	1	04/27/2019 13:31	WG1272804
Chloroform	ND		0.00500	1	04/27/2019 13:31	WG1272804
Chloromethane	ND		0.00250	1	04/27/2019 13:31	WG1272804
2-Chlorotoluene	ND		0.00100	1	04/27/2019 13:31	WG1272804
4-Chlorotoluene	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	04/27/2019 13:31	WG1272804
1,2-Dibromoethane	ND		0.00100	1	04/27/2019 13:31	WG1272804
Dibromomethane	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,2-Dichlorobenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,3-Dichlorobenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,4-Dichlorobenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
Dichlorodifluoromethane	ND		0.00500	1	04/27/2019 13:31	WG1272804
1,1-Dichloroethane	0.00264		0.00100	1	04/27/2019 13:31	WG1272804
1,2-Dichloroethane	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,1-Dichloroethene	0.00188		0.00100	1	04/27/2019 13:31	WG1272804
cis-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 13:31	WG1272804
trans-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,2-Dichloropropane	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,1-Dichloropropene	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,3-Dichloropropane	ND		0.00100	1	04/27/2019 13:31	WG1272804
cis-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 13:31	WG1272804
trans-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 13:31	WG1272804
2,2-Dichloropropane	ND		0.00100	1	04/27/2019 13:31	WG1272804
Di-isopropyl ether	ND		0.00100	1	04/27/2019 13:31	WG1272804
Ethylbenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
Hexachloro-1,3-butadiene	ND		0.00100	1	04/27/2019 13:31	WG1272804
Isopropylbenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
p-Isopropyltoluene	ND		0.00100	1	04/27/2019 13:31	WG1272804
2-Butanone (MEK)	ND		0.0100	1	04/27/2019 13:31	WG1272804
Methylene Chloride	ND		0.00500	1	04/27/2019 13:31	WG1272804
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	04/27/2019 13:31	WG1272804
Methyl tert-butyl ether	ND		0.00100	1	04/27/2019 13:31	WG1272804
Naphthalene	ND		0.00500	1	04/27/2019 13:31	WG1272804
n-Propylbenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
Styrene	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,1,1,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,1,2,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	04/27/2019 13:31	WG1272804
Tetrachloroethene	ND		0.00100	1	04/27/2019 13:31	WG1272804
Toluene	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,2,3-Trichlorobenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,2,4-Trichlorobenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,1,2-Trichloroethane	ND		0.00100	1	04/27/2019 13:31	WG1272804
Trichloroethene	ND		0.00100	1	04/27/2019 13:31	WG1272804
Trichlorofluoromethane	ND	J0	0.00500	1	04/27/2019 13:31	WG1272804
1,2,3-Trichloropropane	ND		0.00250	1	04/27/2019 13:31	WG1272804
1,2,4-Trimethylbenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,2,3-Trimethylbenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
1,3,5-Trimethylbenzene	ND		0.00100	1	04/27/2019 13:31	WG1272804
Vinyl chloride	ND	J0	0.00100	1	04/27/2019 13:31	WG1272804
Xylenes, Total	ND		0.00300	1	04/27/2019 13:31	WG1272804
(S) Toluene-d8	*100*		*80.0-120*		*04/27/2019 13:31*	WG1272804
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*04/27/2019 13:31*	WG1272804
(S) 1,2-Dichloroethane-d4	*92.6*		*70.0-130*		*04/27/2019 13:31*	WG1272804

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	04/27/2019 13:51	WG1272804
Acrolein	ND	J0	0.0500	1	04/27/2019 13:51	WG1272804
Acrylonitrile	ND		0.0100	1	04/27/2019 13:51	WG1272804
Benzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
Bromobenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
Bromodichloromethane	ND		0.00100	1	04/27/2019 13:51	WG1272804
Bromoform	ND		0.00100	1	04/27/2019 13:51	WG1272804
Bromomethane	ND	J0	0.00500	1	04/27/2019 13:51	WG1272804
n-Butylbenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
sec-Butylbenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
tert-Butylbenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
Carbon tetrachloride	ND		0.00100	1	04/27/2019 13:51	WG1272804
Chlorobenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
Chlorodibromomethane	ND		0.00100	1	04/27/2019 13:51	WG1272804
Chloroethane	ND	J0	0.00500	1	04/27/2019 13:51	WG1272804
Chloroform	ND		0.00500	1	04/27/2019 13:51	WG1272804
Chloromethane	ND		0.00250	1	04/27/2019 13:51	WG1272804
2-Chlorotoluene	ND		0.00100	1	04/27/2019 13:51	WG1272804
4-Chlorotoluene	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	04/27/2019 13:51	WG1272804
1,2-Dibromoethane	ND		0.00100	1	04/27/2019 13:51	WG1272804
Dibromomethane	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,2-Dichlorobenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,3-Dichlorobenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,4-Dichlorobenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
Dichlorodifluoromethane	ND		0.00500	1	04/27/2019 13:51	WG1272804
1,1-Dichloroethane	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,2-Dichloroethane	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,1-Dichloroethene	ND		0.00100	1	04/27/2019 13:51	WG1272804
cis-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 13:51	WG1272804
trans-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,2-Dichloropropane	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,1-Dichloropropene	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,3-Dichloropropane	ND		0.00100	1	04/27/2019 13:51	WG1272804
cis-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 13:51	WG1272804
trans-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 13:51	WG1272804
2,2-Dichloropropane	ND		0.00100	1	04/27/2019 13:51	WG1272804
Di-isopropyl ether	ND		0.00100	1	04/27/2019 13:51	WG1272804
Ethylbenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
Hexachloro-1,3-butadiene	ND		0.00100	1	04/27/2019 13:51	WG1272804
Isopropylbenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
p-Isopropyltoluene	ND		0.00100	1	04/27/2019 13:51	WG1272804
2-Butanone (MEK)	ND		0.0100	1	04/27/2019 13:51	WG1272804
Methylene Chloride	ND		0.00500	1	04/27/2019 13:51	WG1272804
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	04/27/2019 13:51	WG1272804
Methyl tert-butyl ether	ND		0.00100	1	04/27/2019 13:51	WG1272804
Naphthalene	ND		0.00500	1	04/27/2019 13:51	WG1272804
n-Propylbenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
Styrene	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,1,1,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,1,2,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	04/27/2019 13:51	WG1272804
Tetrachloroethene	ND		0.00100	1	04/27/2019 13:51	WG1272804
Toluene	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,2,3-Trichlorobenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,2,4-Trichlorobenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,1,2-Trichloroethane	ND		0.00100	1	04/27/2019 13:51	WG1272804
Trichloroethene	ND		0.00100	1	04/27/2019 13:51	WG1272804
Trichlorofluoromethane	ND	J0	0.00500	1	04/27/2019 13:51	WG1272804
1,2,3-Trichloropropane	ND		0.00250	1	04/27/2019 13:51	WG1272804
1,2,4-Trimethylbenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,2,3-Trimethylbenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
1,3,5-Trimethylbenzene	ND		0.00100	1	04/27/2019 13:51	WG1272804
Vinyl chloride	ND	J0	0.00100	1	04/27/2019 13:51	WG1272804
Xylenes, Total	ND		0.00300	1	04/27/2019 13:51	WG1272804
(S) Toluene-d8	*98.3*		*80.0-120*		*04/27/2019 13:51*	WG1272804
(S) 4-Bromofluorobenzene	*107*		*77.0-126*		*04/27/2019 13:51*	WG1272804
(S) 1,2-Dichloroethane-d4	*93.0*		*70.0-130*		*04/27/2019 13:51*	WG1272804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	3950		100	5	05/03/2019 22:13	WG1274856

Sample Narrative:

L1092865-05 WG1274856: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		0.0500	1	04/27/2019 13:05	WG1272580

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	620		100	100	05/02/2019 04:54	WG1274289
Nitrate	24.2	T8	10.0	100	05/02/2019 04:54	WG1274289
Nitrite	14.8	T8	10.0	100	05/02/2019 04:54	WG1274289
Sulfate	ND		5.00	1	05/02/2019 09:53	WG1274289

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Iron	103		0.100	1	05/01/2019 13:27	WG1274215
Iron,Dissolved	37.5		0.100	1	05/03/2019 21:09	WG1274214

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Acetone	ND	J4	25.0	500	05/03/2019 13:18	WG1275623
Acrolein	ND	J0	0.0500	1	04/27/2019 14:11	WG1272804
Acrylonitrile	ND		0.0100	1	04/27/2019 14:11	WG1272804
Benzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
Bromobenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
Bromodichloromethane	ND		0.00100	1	04/27/2019 14:11	WG1272804
Bromoform	ND		0.00100	1	04/27/2019 14:11	WG1272804
Bromomethane	ND	J0	0.00500	1	04/27/2019 14:11	WG1272804
n-Butylbenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
sec-Butylbenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
tert-Butylbenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
Carbon tetrachloride	ND		0.00100	1	04/27/2019 14:11	WG1272804
Chlorobenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
Chlorodibromomethane	ND		0.00100	1	04/27/2019 14:11	WG1272804
Chloroethane	2.83	J0	2.50	500	05/03/2019 13:18	WG1275623
Chloroform	ND		0.00500	1	04/27/2019 14:11	WG1272804
Chloromethane	ND		0.00250	1	04/27/2019 14:11	WG1272804
2-Chlorotoluene	ND		0.00100	1	04/27/2019 14:11	WG1272804
4-Chlorotoluene	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	04/27/2019 14:11	WG1272804
1,2-Dibromoethane	ND		0.00100	1	04/27/2019 14:11	WG1272804
Dibromomethane	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,2-Dichlorobenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,3-Dichlorobenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,4-Dichlorobenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
Dichlorodifluoromethane	ND		0.00500	1	04/27/2019 14:11	WG1272804
1,1-Dichloroethane	247		5.00	5000	05/03/2019 14:39	WG1275623

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	0.0587		0.00100	1	04/27/2019 14:11	WG1272804
1,1-Dichloroethene	2.68		0.500	500	05/03/2019 13:18	WG1275623
cis-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 14:11	WG1272804
trans-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,2-Dichloropropane	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,1-Dichloropropene	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,3-Dichloropropane	ND		0.00100	1	04/27/2019 14:11	WG1272804
cis-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 14:11	WG1272804
trans-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 14:11	WG1272804
2,2-Dichloropropane	ND		0.00100	1	04/27/2019 14:11	WG1272804
Di-isopropyl ether	ND		0.00100	1	04/27/2019 14:11	WG1272804
Ethylbenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
Hexachloro-1,3-butadiene	ND		0.00100	1	04/27/2019 14:11	WG1272804
Isopropylbenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
p-Isopropyltoluene	ND		0.00100	1	04/27/2019 14:11	WG1272804
2-Butanone (MEK)	ND		0.0100	1	04/27/2019 14:11	WG1272804
Methylene Chloride	0.0323		0.00500	1	04/27/2019 14:11	WG1272804
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	04/27/2019 14:11	WG1272804
Methyl tert-butyl ether	ND		0.00100	1	04/27/2019 14:11	WG1272804
Naphthalene	ND		0.00500	1	04/27/2019 14:11	WG1272804
n-Propylbenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
Styrene	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,1,1,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,1,2,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	04/27/2019 14:11	WG1272804
Tetrachloroethene	0.0399		0.00100	1	04/27/2019 14:11	WG1272804
Toluene	0.0172		0.00100	1	04/27/2019 14:11	WG1272804
1,2,3-Trichlorobenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,2,4-Trichlorobenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,1,1-Trichloroethane	51.2		0.500	500	05/03/2019 13:18	WG1275623
1,1,2-Trichloroethane	0.0184		0.00100	1	04/27/2019 14:11	WG1272804
Trichloroethene	0.00374		0.00100	1	04/27/2019 14:11	WG1272804
Trichlorofluoromethane	ND	J0	0.00500	1	04/27/2019 14:11	WG1272804
1,2,3-Trichloropropane	ND		0.00250	1	04/27/2019 14:11	WG1272804
1,2,4-Trimethylbenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,2,3-Trimethylbenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
1,3,5-Trimethylbenzene	ND		0.00100	1	04/27/2019 14:11	WG1272804
Vinyl chloride	0.115	J0	0.00100	1	04/27/2019 14:11	WG1272804
Xylenes, Total	ND		0.00300	1	04/27/2019 14:11	WG1272804
(S) Toluene-d8	*96.6*		*80.0-120*		*04/27/2019 14:11*	WG1272804
(S) Toluene-d8	*101*		*80.0-120*		*05/03/2019 14:39*	WG1275623
(S) Toluene-d8	*101*		*80.0-120*		*05/03/2019 13:18*	WG1275623
(S) 4-Bromofluorobenzene	*99.1*		*77.0-126*		*04/27/2019 14:11*	WG1272804
(S) 4-Bromofluorobenzene	*114*		*77.0-126*		*05/03/2019 14:39*	WG1275623
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*05/03/2019 13:18*	WG1275623
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*04/27/2019 14:11*	WG1272804
(S) 1,2-Dichloroethane-d4	*94.3*		*70.0-130*		*05/03/2019 13:18*	WG1275623
(S) 1,2-Dichloroethane-d4	*93.4*		*70.0-130*		*05/03/2019 14:39*	WG1275623

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	04/27/2019 14:41	WG1272804
Acrolein	ND	J0	0.0500	1	04/27/2019 14:41	WG1272804
Acrylonitrile	ND		0.0100	1	04/27/2019 14:41	WG1272804
Benzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
Bromobenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
Bromodichloromethane	ND		0.00100	1	04/27/2019 14:41	WG1272804
Bromoform	ND		0.00100	1	04/27/2019 14:41	WG1272804
Bromomethane	ND	J0	0.00500	1	04/27/2019 14:41	WG1272804
n-Butylbenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
sec-Butylbenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
tert-Butylbenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
Carbon tetrachloride	ND		0.00100	1	04/27/2019 14:41	WG1272804
Chlorobenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
Chlorodibromomethane	ND		0.00100	1	04/27/2019 14:41	WG1272804
Chloroethane	ND	J0	0.00500	1	04/27/2019 14:41	WG1272804
Chloroform	ND		0.00500	1	04/27/2019 14:41	WG1272804
Chloromethane	ND		0.00250	1	04/27/2019 14:41	WG1272804
2-Chlorotoluene	ND		0.00100	1	04/27/2019 14:41	WG1272804
4-Chlorotoluene	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	04/27/2019 14:41	WG1272804
1,2-Dibromoethane	ND		0.00100	1	04/27/2019 14:41	WG1272804
Dibromomethane	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,2-Dichlorobenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,3-Dichlorobenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,4-Dichlorobenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
Dichlorodifluoromethane	ND		0.00500	1	04/27/2019 14:41	WG1272804
1,1-Dichloroethane	ND		0.00100	1	05/03/2019 11:58	WG1275623
1,2-Dichloroethane	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,1-Dichloroethene	ND		0.00100	1	05/03/2019 11:58	WG1275623
cis-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 14:41	WG1272804
trans-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,2-Dichloropropane	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,1-Dichloropropene	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,3-Dichloropropane	ND		0.00100	1	04/27/2019 14:41	WG1272804
cis-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 14:41	WG1272804
trans-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 14:41	WG1272804
2,2-Dichloropropane	ND		0.00100	1	04/27/2019 14:41	WG1272804
Di-isopropyl ether	ND		0.00100	1	04/27/2019 14:41	WG1272804
Ethylbenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
Hexachloro-1,3-butadiene	ND		0.00100	1	04/27/2019 14:41	WG1272804
Isopropylbenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
p-Isopropyltoluene	ND		0.00100	1	04/27/2019 14:41	WG1272804
2-Butanone (MEK)	ND		0.0100	1	04/27/2019 14:41	WG1272804
Methylene Chloride	ND		0.00500	1	04/27/2019 14:41	WG1272804
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	04/27/2019 14:41	WG1272804
Methyl tert-butyl ether	ND		0.00100	1	04/27/2019 14:41	WG1272804
Naphthalene	ND		0.00500	1	04/27/2019 14:41	WG1272804
n-Propylbenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
Styrene	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,1,1,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,1,2,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	04/27/2019 14:41	WG1272804
Tetrachloroethene	ND		0.00100	1	04/27/2019 14:41	WG1272804
Toluene	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,2,3-Trichlorobenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,2,4-Trichlorobenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	05/03/2019 11:58	WG1275623
1,1,2-Trichloroethane	ND		0.00100	1	04/27/2019 14:41	WG1272804
Trichloroethene	ND		0.00100	1	04/27/2019 14:41	WG1272804
Trichlorofluoromethane	ND	J0	0.00500	1	04/27/2019 14:41	WG1272804
1,2,3-Trichloropropane	ND		0.00250	1	04/27/2019 14:41	WG1272804
1,2,4-Trimethylbenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,2,3-Trimethylbenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
1,3,5-Trimethylbenzene	ND		0.00100	1	04/27/2019 14:41	WG1272804
Vinyl chloride	ND	J0	0.00100	1	04/27/2019 14:41	WG1272804
Xylenes, Total	ND		0.00300	1	04/27/2019 14:41	WG1272804
(S) Toluene-d8	*99.6*		*80.0-120*		*04/27/2019 14:41*	WG1272804
(S) Toluene-d8	*98.4*		*80.0-120*		*05/03/2019 11:58*	WG1275623
(S) 4-Bromofluorobenzene	*108*		*77.0-126*		*04/27/2019 14:41*	WG1272804
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*05/03/2019 11:58*	WG1275623
(S) 1,2-Dichloroethane-d4	*97.0*		*70.0-130*		*04/27/2019 14:41*	WG1272804
(S) 1,2-Dichloroethane-d4	*96.6*		*70.0-130*		*05/03/2019 11:58*	WG1275623

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	04/27/2019 15:01	WG1272804
Acrolein	ND	J0	0.0500	1	04/27/2019 15:01	WG1272804
Acrylonitrile	ND		0.0100	1	04/27/2019 15:01	WG1272804
Benzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
Bromobenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
Bromodichloromethane	ND		0.00100	1	04/27/2019 15:01	WG1272804
Bromoform	ND		0.00100	1	04/27/2019 15:01	WG1272804
Bromomethane	ND	J0	0.00500	1	04/27/2019 15:01	WG1272804
n-Butylbenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
sec-Butylbenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
tert-Butylbenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
Carbon tetrachloride	ND		0.00100	1	04/27/2019 15:01	WG1272804
Chlorobenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
Chlorodibromomethane	ND		0.00100	1	04/27/2019 15:01	WG1272804
Chloroethane	7.74		0.500	100	05/03/2019 12:18	WG1275623
Chloroform	ND		0.00500	1	04/27/2019 15:01	WG1272804
Chloromethane	ND		0.00250	1	04/27/2019 15:01	WG1272804
2-Chlorotoluene	ND		0.00100	1	04/27/2019 15:01	WG1272804
4-Chlorotoluene	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	04/27/2019 15:01	WG1272804
1,2-Dibromoethane	ND		0.00100	1	04/27/2019 15:01	WG1272804
Dibromomethane	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,2-Dichlorobenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,3-Dichlorobenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,4-Dichlorobenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
Dichlorodifluoromethane	ND		0.00500	1	04/27/2019 15:01	WG1272804
1,1-Dichloroethane	0.209		0.100	100	05/03/2019 12:18	WG1275623
1,2-Dichloroethane	0.00799		0.00100	1	04/27/2019 15:01	WG1272804
1,1-Dichloroethene	ND		0.100	100	05/03/2019 12:18	WG1275623
cis-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 15:01	WG1272804
trans-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,2-Dichloropropane	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,1-Dichloropropene	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,3-Dichloropropane	ND		0.00100	1	04/27/2019 15:01	WG1272804
cis-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 15:01	WG1272804
trans-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 15:01	WG1272804
2,2-Dichloropropane	ND		0.00100	1	04/27/2019 15:01	WG1272804
Di-isopropyl ether	ND		0.00100	1	04/27/2019 15:01	WG1272804
Ethylbenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
Hexachloro-1,3-butadiene	ND		0.00100	1	04/27/2019 15:01	WG1272804
Isopropylbenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
p-Isopropyltoluene	ND		0.00100	1	04/27/2019 15:01	WG1272804
2-Butanone (MEK)	ND		0.0100	1	04/27/2019 15:01	WG1272804
Methylene Chloride	ND		0.00500	1	04/27/2019 15:01	WG1272804
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	04/27/2019 15:01	WG1272804
Methyl tert-butyl ether	ND		0.00100	1	04/27/2019 15:01	WG1272804
Naphthalene	ND		0.00500	1	04/27/2019 15:01	WG1272804
n-Propylbenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
Styrene	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,1,1,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,1,2,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	04/27/2019 15:01	WG1272804
Tetrachloroethene	ND		0.00100	1	04/27/2019 15:01	WG1272804
Toluene	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,2,3-Trichlorobenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,2,4-Trichlorobenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.100	100	05/03/2019 12:18	WG1275623
1,1,2-Trichloroethane	ND		0.00100	1	04/27/2019 15:01	WG1272804
Trichloroethene	0.00103		0.00100	1	04/27/2019 15:01	WG1272804
Trichlorofluoromethane	ND	J0	0.00500	1	04/27/2019 15:01	WG1272804
1,2,3-Trichloropropane	ND		0.00250	1	04/27/2019 15:01	WG1272804
1,2,4-Trimethylbenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,2,3-Trimethylbenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
1,3,5-Trimethylbenzene	ND		0.00100	1	04/27/2019 15:01	WG1272804
Vinyl chloride	0.0246	J0	0.00100	1	04/27/2019 15:01	WG1272804
Xylenes, Total	ND		0.00300	1	04/27/2019 15:01	WG1272804
(S) Toluene-d8	*98.4*		*80.0-120*		*04/27/2019 15:01*	WG1272804
(S) Toluene-d8	*97.1*		*80.0-120*		*05/03/2019 12:18*	WG1275623
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*04/27/2019 15:01*	WG1272804
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*05/03/2019 12:18*	WG1275623
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*04/27/2019 15:01*	WG1272804
(S) 1,2-Dichloroethane-d4	*94.1*		*70.0-130*		*05/03/2019 12:18*	WG1275623

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	04/27/2019 15:21	WG1272804
Acrolein	ND	J0	0.0500	1	04/27/2019 15:21	WG1272804
Acrylonitrile	ND		0.0100	1	04/27/2019 15:21	WG1272804
Benzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
Bromobenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
Bromodichloromethane	ND		0.00100	1	04/27/2019 15:21	WG1272804
Bromoform	ND		0.00100	1	04/27/2019 15:21	WG1272804
Bromomethane	ND	J0	0.00500	1	04/27/2019 15:21	WG1272804
n-Butylbenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
sec-Butylbenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
tert-Butylbenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
Carbon tetrachloride	ND		0.00100	1	04/27/2019 15:21	WG1272804
Chlorobenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
Chlorodibromomethane	ND		0.00100	1	04/27/2019 15:21	WG1272804
Chloroethane	0.262	J0	0.0500	10	05/03/2019 12:38	WG1275623
Chloroform	ND		0.00500	1	04/27/2019 15:21	WG1272804
Chloromethane	ND		0.00250	1	04/27/2019 15:21	WG1272804
2-Chlorotoluene	ND		0.00100	1	04/27/2019 15:21	WG1272804
4-Chlorotoluene	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	04/27/2019 15:21	WG1272804
1,2-Dibromoethane	ND		0.00100	1	04/27/2019 15:21	WG1272804
Dibromomethane	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,2-Dichlorobenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,3-Dichlorobenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,4-Dichlorobenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
Dichlorodifluoromethane	ND		0.00500	1	04/27/2019 15:21	WG1272804
1,1-Dichloroethane	0.0686		0.0100	10	05/03/2019 12:38	WG1275623
1,2-Dichloroethane	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,1-Dichloroethene	ND		0.00100	1	04/27/2019 15:21	WG1272804
cis-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 15:21	WG1272804
trans-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,2-Dichloropropane	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,1-Dichloropropene	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,3-Dichloropropane	ND		0.00100	1	04/27/2019 15:21	WG1272804
cis-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 15:21	WG1272804
trans-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 15:21	WG1272804
2,2-Dichloropropane	ND		0.00100	1	04/27/2019 15:21	WG1272804
Di-isopropyl ether	ND		0.00100	1	04/27/2019 15:21	WG1272804
Ethylbenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
Hexachloro-1,3-butadiene	ND		0.00100	1	04/27/2019 15:21	WG1272804
Isopropylbenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
p-Isopropyltoluene	ND		0.00100	1	04/27/2019 15:21	WG1272804
2-Butanone (MEK)	ND		0.0100	1	04/27/2019 15:21	WG1272804
Methylene Chloride	ND		0.00500	1	04/27/2019 15:21	WG1272804
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	04/27/2019 15:21	WG1272804
Methyl tert-butyl ether	ND		0.00100	1	04/27/2019 15:21	WG1272804
Naphthalene	ND		0.00500	1	04/27/2019 15:21	WG1272804
n-Propylbenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
Styrene	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,1,1,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,1,2,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	04/27/2019 15:21	WG1272804
Tetrachloroethene	0.00108		0.00100	1	04/27/2019 15:21	WG1272804
Toluene	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,2,3-Trichlorobenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,2,4-Trichlorobenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.0100	10	05/03/2019 12:38	WG1275623
1,1,2-Trichloroethane	ND		0.00100	1	04/27/2019 15:21	WG1272804
Trichloroethene	ND		0.00100	1	04/27/2019 15:21	WG1272804
Trichlorofluoromethane	ND	J0	0.00500	1	04/27/2019 15:21	WG1272804
1,2,3-Trichloropropane	ND		0.00250	1	04/27/2019 15:21	WG1272804
1,2,4-Trimethylbenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,2,3-Trimethylbenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
1,3,5-Trimethylbenzene	ND		0.00100	1	04/27/2019 15:21	WG1272804
Vinyl chloride	0.0345	J0	0.00100	1	04/27/2019 15:21	WG1272804
Xylenes, Total	ND		0.00300	1	04/27/2019 15:21	WG1272804
(S) Toluene-d8	*99.7*		*80.0-120*		*04/27/2019 15:21*	WG1272804
(S) Toluene-d8	*96.8*		*80.0-120*		*05/03/2019 12:38*	WG1275623
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*04/27/2019 15:21*	WG1272804
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*05/03/2019 12:38*	WG1275623
(S) 1,2-Dichloroethane-d4	*95.4*		*70.0-130*		*04/27/2019 15:21*	WG1272804
(S) 1,2-Dichloroethane-d4	*95.9*		*70.0-130*		*05/03/2019 12:38*	WG1275623

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	04/27/2019 15:41	WG1272804
Acrolein	ND	J0	0.0500	1	04/27/2019 15:41	WG1272804
Acrylonitrile	ND		0.0100	1	04/27/2019 15:41	WG1272804
Benzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
Bromobenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
Bromodichloromethane	ND		0.00100	1	04/27/2019 15:41	WG1272804
Bromoform	ND		0.00100	1	04/27/2019 15:41	WG1272804
Bromomethane	ND	J0	0.00500	1	04/27/2019 15:41	WG1272804
n-Butylbenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
sec-Butylbenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
tert-Butylbenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
Carbon tetrachloride	ND		0.00100	1	04/27/2019 15:41	WG1272804
Chlorobenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
Chlorodibromomethane	ND		0.00100	1	04/27/2019 15:41	WG1272804
Chloroethane	0.854	J0	0.100	20	05/03/2019 12:58	WG1275623
Chloroform	ND		0.00500	1	04/27/2019 15:41	WG1272804
Chloromethane	ND		0.00250	1	04/27/2019 15:41	WG1272804
2-Chlorotoluene	ND		0.00100	1	04/27/2019 15:41	WG1272804
4-Chlorotoluene	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	04/27/2019 15:41	WG1272804
1,2-Dibromoethane	ND		0.00100	1	04/27/2019 15:41	WG1272804
Dibromomethane	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,2-Dichlorobenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,3-Dichlorobenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,4-Dichlorobenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
Dichlorodifluoromethane	ND		0.00500	1	04/27/2019 15:41	WG1272804
1,1-Dichloroethane	0.0955		0.0200	20	05/03/2019 12:58	WG1275623
1,2-Dichloroethane	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,1-Dichloroethene	ND		0.00100	1	04/27/2019 15:41	WG1272804
cis-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 15:41	WG1272804
trans-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,2-Dichloropropane	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,1-Dichloropropene	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,3-Dichloropropane	ND		0.00100	1	04/27/2019 15:41	WG1272804
cis-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 15:41	WG1272804
trans-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 15:41	WG1272804
2,2-Dichloropropane	ND		0.00100	1	04/27/2019 15:41	WG1272804
Di-isopropyl ether	ND		0.00100	1	04/27/2019 15:41	WG1272804
Ethylbenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
Hexachloro-1,3-butadiene	ND		0.00100	1	04/27/2019 15:41	WG1272804
Isopropylbenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
p-Isopropyltoluene	ND		0.00100	1	04/27/2019 15:41	WG1272804
2-Butanone (MEK)	ND		0.0100	1	04/27/2019 15:41	WG1272804
Methylene Chloride	ND		0.00500	1	04/27/2019 15:41	WG1272804
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	04/27/2019 15:41	WG1272804
Methyl tert-butyl ether	ND		0.00100	1	04/27/2019 15:41	WG1272804
Naphthalene	ND		0.00500	1	04/27/2019 15:41	WG1272804
n-Propylbenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
Styrene	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,1,1,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,1,2,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	04/27/2019 15:41	WG1272804
Tetrachloroethene	ND		0.00100	1	04/27/2019 15:41	WG1272804
Toluene	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,2,3-Trichlorobenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,2,4-Trichlorobenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.0200	20	05/03/2019 12:58	WG1275623
1,1,2-Trichloroethane	ND		0.00100	1	04/27/2019 15:41	WG1272804
Trichloroethene	ND		0.00100	1	04/27/2019 15:41	WG1272804
Trichlorofluoromethane	ND	J0	0.00500	1	04/27/2019 15:41	WG1272804
1,2,3-Trichloropropane	ND		0.00250	1	04/27/2019 15:41	WG1272804
1,2,4-Trimethylbenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,2,3-Trimethylbenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
1,3,5-Trimethylbenzene	ND		0.00100	1	04/27/2019 15:41	WG1272804
Vinyl chloride	0.118	J0	0.00100	1	04/27/2019 15:41	WG1272804
Xylenes, Total	ND		0.00300	1	04/27/2019 15:41	WG1272804
(S) Toluene-d8	*99.5*		*80.0-120*		*04/27/2019 15:41*	WG1272804
(S) Toluene-d8	*101*		*80.0-120*		*05/03/2019 12:58*	WG1275623
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*04/27/2019 15:41*	WG1272804
(S) 4-Bromofluorobenzene	*107*		*77.0-126*		*05/03/2019 12:58*	WG1275623
(S) 1,2-Dichloroethane-d4	*98.5*		*70.0-130*		*04/27/2019 15:41*	WG1272804
(S) 1,2-Dichloroethane-d4	*93.8*		*70.0-130*		*05/03/2019 12:58*	WG1275623

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	04/27/2019 11:31	WG1272804
Acrolein	ND	J0	0.0500	1	04/27/2019 11:31	WG1272804
Acrylonitrile	ND		0.0100	1	04/27/2019 11:31	WG1272804
Benzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
Bromobenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
Bromodichloromethane	ND		0.00100	1	04/27/2019 11:31	WG1272804
Bromoform	ND		0.00100	1	04/27/2019 11:31	WG1272804
Bromomethane	ND	J0	0.00500	1	04/27/2019 11:31	WG1272804
n-Butylbenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
sec-Butylbenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
tert-Butylbenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
Carbon tetrachloride	ND		0.00100	1	04/27/2019 11:31	WG1272804
Chlorobenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
Chlorodibromomethane	ND		0.00100	1	04/27/2019 11:31	WG1272804
Chloroethane	ND	J0	0.00500	1	04/27/2019 11:31	WG1272804
Chloroform	ND		0.00500	1	04/27/2019 11:31	WG1272804
Chloromethane	ND		0.00250	1	04/27/2019 11:31	WG1272804
2-Chlorotoluene	ND		0.00100	1	04/27/2019 11:31	WG1272804
4-Chlorotoluene	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	04/27/2019 11:31	WG1272804
1,2-Dibromoethane	ND		0.00100	1	04/27/2019 11:31	WG1272804
Dibromomethane	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,2-Dichlorobenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,3-Dichlorobenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,4-Dichlorobenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
Dichlorodifluoromethane	ND		0.00500	1	04/27/2019 11:31	WG1272804
1,1-Dichloroethane	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,2-Dichloroethane	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,1-Dichloroethene	ND		0.00100	1	04/27/2019 11:31	WG1272804
cis-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 11:31	WG1272804
trans-1,2-Dichloroethene	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,2-Dichloropropane	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,1-Dichloropropene	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,3-Dichloropropane	ND		0.00100	1	04/27/2019 11:31	WG1272804
cis-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 11:31	WG1272804
trans-1,3-Dichloropropene	ND		0.00100	1	04/27/2019 11:31	WG1272804
2,2-Dichloropropane	ND		0.00100	1	04/27/2019 11:31	WG1272804
Di-isopropyl ether	ND		0.00100	1	04/27/2019 11:31	WG1272804
Ethylbenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
Hexachloro-1,3-butadiene	ND		0.00100	1	04/27/2019 11:31	WG1272804
Isopropylbenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
p-Isopropyltoluene	ND		0.00100	1	04/27/2019 11:31	WG1272804
2-Butanone (MEK)	ND		0.0100	1	04/27/2019 11:31	WG1272804
Methylene Chloride	ND		0.00500	1	04/27/2019 11:31	WG1272804
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	04/27/2019 11:31	WG1272804
Methyl tert-butyl ether	ND		0.00100	1	04/27/2019 11:31	WG1272804
Naphthalene	ND		0.00500	1	04/27/2019 11:31	WG1272804
n-Propylbenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
Styrene	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,1,1,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,1,2,2-Tetrachloroethane	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	04/27/2019 11:31	WG1272804
Tetrachloroethene	ND		0.00100	1	04/27/2019 11:31	WG1272804
Toluene	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,2,3-Trichlorobenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,2,4-Trichlorobenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,1,2-Trichloroethane	ND		0.00100	1	04/27/2019 11:31	WG1272804
Trichloroethene	ND		0.00100	1	04/27/2019 11:31	WG1272804
Trichlorofluoromethane	ND	J0	0.00500	1	04/27/2019 11:31	WG1272804
1,2,3-Trichloropropane	ND		0.00250	1	04/27/2019 11:31	WG1272804
1,2,4-Trimethylbenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,2,3-Trimethylbenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
1,3,5-Trimethylbenzene	ND		0.00100	1	04/27/2019 11:31	WG1272804
Vinyl chloride	ND	J0	0.00100	1	04/27/2019 11:31	WG1272804
Xylenes, Total	ND		0.00300	1	04/27/2019 11:31	WG1272804
(S) Toluene-d8	*98.1*		*80.0-120*		*04/27/2019 11:31*	WG1272804
(S) 4-Bromofluorobenzene	*109*		*77.0-126*		*04/27/2019 11:31*	WG1272804
(S) 1,2-Dichloroethane-d4	*91.3*		*70.0-130*		*04/27/2019 11:31*	WG1272804

Method Blank (MB)

(MB) R3408070-1 05/03/19 17:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity	3.10	J	2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1092557-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092557-01 05/03/19 18:13 • (DUP) R3408070-3 05/03/19 18:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	39.9	39.8	1	0.183		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

L1093120-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1093120-03 05/03/19 21:50 • (DUP) R3408070-6 05/03/19 21:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	128	128	1	0.0395		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3408070-5 05/03/19 19:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100	97.8	97.8	85.0-115	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3406051-1 04/27/19 13:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Sulfide	U		0.00650	0.0500

L1092993-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1092993-04 04/27/19 13:07 • (DUP) R3406051-6 04/27/19 13:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfide	U	0.000	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3406051-2 04/27/19 13:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfide	0.500	0.485	97.0	85.0-115	

L1091939-50 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1091939-50 04/27/19 13:02 • (MS) R3406051-3 04/27/19 13:02 • (MSD) R3406051-4 04/27/19 13:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfide	1.00	U	0.791	0.792	79.1	79.2	1	80.0-120	J6	J6	0.126	20

Method Blank (MB)

(MB) R3407382-1 05/01/19 23:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.0519	1.00
Nitrate	U		0.0227	0.100
Nitrite	U		0.0277	0.100
Sulfate	U		0.0774	5.00

L1092751-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092751-01 05/02/19 00:44 • (DUP) R3407382-3 05/02/19 00:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	59.8	59.8	1	0.0127		15
Nitrate	0.993	1.01	1	1.18		15
Nitrite	ND	0.000	1	0.000		15
Sulfate	ND	3.02	1	0.357	J	15

L1092925-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1092925-04 05/02/19 07:41 • (DUP) R3407382-6 05/02/19 07:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1.21	1.20	1	0.199		15
Nitrate	0.206	0.229	1	10.6		15
Nitrite	ND	0.000	1	0.000		15
Sulfate	ND	1.15	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3407382-2 05/02/19 00:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.0	100	80.0-120	
Nitrate	8.00	8.25	103	80.0-120	
Nitrite	8.00	8.28	103	80.0-120	
Sulfate	40.0	40.7	102	80.0-120	

L1092751-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092751-01 05/02/19 00:44 • (MS) R3407382-4 05/02/19 01:11 • (MSD) R3407382-5 05/02/19 01:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	59.8	108	108	96.1	95.6	1	80.0-120	E	E	0.235	15
Nitrate	5.00	0.993	6.15	6.13	103	103	1	80.0-120			0.330	15
Nitrite	5.00	ND	5.04	5.02	101	100	1	80.0-120			0.392	15
Sulfate	50.0	ND	53.8	53.6	102	101	1	80.0-120			0.388	15

L1092925-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1092925-04 05/02/19 07:41 • (MS) R3407382-7 05/02/19 08:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	1.21	51.9	101	1	80.0-120	
Nitrate	5.00	0.206	5.10	98.0	1	80.0-120	
Nitrite	5.00	ND	5.15	103	1	80.0-120	
Sulfate	50.0	ND	51.6	101	1	80.0-120	

Method Blank (MB)

(MB) R3406585-1 04/29/19 11:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TOC (Total Organic Carbon)	0.284	J	0.102	1.00

L1092770-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1092770-01 04/29/19 13:19 • (DUP) R3406585-3 04/29/19 13:32

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	8.24	8.15	1	1.15		20

L1093209-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1093209-03 04/29/19 18:04 • (DUP) R3406585-6 04/29/19 18:17

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	4.67	4.64	1	0.623		20

Laboratory Control Sample (LCS)

(LCS) R3406585-2 04/29/19 12:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75.0	77.0	103	85.0-115	

L1092865-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092865-02 04/29/19 16:29 • (MS) R3406585-4 04/29/19 16:45 • (MSD) R3406585-5 04/29/19 17:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50.0	2.15	50.4	50.0	96.5	95.7	1	80.0-120			0.836	20

L1093242-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1093242-06 04/29/19 20:23 • (MS) R3406585-7 04/29/19 20:39 • (MSD) R3406585-8 04/29/19 20:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50.0	5.19	51.1	51.1	91.8	91.9	1	80.0-120			0.137	20

Method Blank (MB)

(MB) R3406881-1 04/30/19 17:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Iron	U		0.0141	0.100

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3406881-2 04/30/19 17:03 • (LCSD) R3406881-3 04/30/19 17:05

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Iron	10.0	9.18	9.06	91.8	90.6	80.0-120			1.28	20

L1092865-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092865-01 04/30/19 17:08 • (MS) R3406881-5 04/30/19 17:13 • (MSD) R3406881-6 04/30/19 17:15

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Iron	10.0	3.49	13.0	13.4	95.4	99.1	1	75.0-125			2.86	20

Method Blank (MB)

(MB) R3406881-1 04/30/19 17:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Iron	U		0.0141	0.100

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3406881-2 04/30/19 17:03 • (LCSD) R3406881-3 04/30/19 17:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Iron	10.0	9.18	9.06	91.8	90.6	80.0-120			1.28	20

L1092865-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092865-01 04/30/19 17:08 • (MS) R3406881-5 04/30/19 17:13 • (MSD) R3406881-6 04/30/19 17:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	10.0	3.49	13.0	13.4	95.4	99.1	1	75.0-125			2.86	20

Method Blank (MB)

(MB) R3408077-1 05/03/19 20:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Iron,Dissolved	U		0.0141	0.100

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3408077-2 05/03/19 20:50 • (LCSD) R3408077-3 05/03/19 20:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Iron,Dissolved	10.0	9.88	9.86	98.8	98.6	80.0-120			0.218	20

L1092865-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1092865-02 05/03/19 20:56 • (MS) R3408077-5 05/03/19 21:01 • (MSD) R3408077-6 05/03/19 21:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron,Dissolved	10.0	ND	9.77	9.83	97.5	98.1	1	75.0-125			0.567	20

Method Blank (MB)

(MB) R3407138-1 05/01/19 13:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Iron	U		0.0141	0.100

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3407138-2 05/01/19 13:10 • (LCSD) R3407138-3 05/01/19 13:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Iron	10.0	9.13	9.06	91.3	90.6	80.0-120			0.734	20

Method Blank (MB)

(MB) R3407791-2 04/27/19 09:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Acrolein	U		0.00887	0.0500
Acrylonitrile	U		0.00187	0.0100
Benzene	U		0.000331	0.00100
Bromobenzene	U		0.000352	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
tert-Butylbenzene	U		0.000399	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
2-Chlorotoluene	U		0.000375	0.00100
4-Chlorotoluene	U		0.000351	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00500
1,2-Dibromoethane	U		0.000381	0.00100
Dibromomethane	U		0.000346	0.00100
1,2-Dichlorobenzene	U		0.000349	0.00100
1,3-Dichlorobenzene	U		0.000220	0.00100
1,4-Dichlorobenzene	U		0.000274	0.00100
Dichlorodifluoromethane	U		0.000551	0.00500
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
1,1-Dichloropropene	U		0.000352	0.00100
1,3-Dichloropropane	U		0.000366	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
2,2-Dichloropropane	U		0.000321	0.00100
Di-isopropyl ether	U		0.000320	0.00100
Ethylbenzene	U		0.000384	0.00100
Hexachloro-1,3-butadiene	0.000368	J	0.000256	0.00100

Method Blank (MB)

(MB) R3407791-2 04/27/19 09:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
Naphthalene	U		0.00100	0.00500
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000303	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000355	0.00100
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Toluene	U		0.000412	0.00100
Trichloroethene	U		0.000398	0.00100
Trichlorofluoromethane	U		0.00120	0.00500
1,2,3-Trichloropropane	U		0.000807	0.00250
1,2,3-Trimethylbenzene	U		0.000321	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*99.8*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*90.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3407791-1 04/27/19 09:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.125	0.137	110	19.0-160	
Acrolein	0.125	0.0193	15.5	10.0-160	
Acrylonitrile	0.125	0.151	121	55.0-149	
Bromobenzene	0.0250	0.0226	90.5	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R3407791-1 04/27/19 09:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromodichloromethane	0.0250	0.0218	87.2	75.0-120	
Bromoform	0.0250	0.0268	107	68.0-132	
Bromomethane	0.0250	0.0183	73.3	10.0-160	
n-Butylbenzene	0.0250	0.0211	84.4	73.0-125	
sec-Butylbenzene	0.0250	0.0227	90.8	75.0-125	
tert-Butylbenzene	0.0250	0.0235	94.0	76.0-124	
Carbon tetrachloride	0.0250	0.0232	92.6	68.0-126	
Chlorobenzene	0.0250	0.0234	93.5	80.0-121	
Chlorodibromomethane	0.0250	0.0235	94.1	77.0-125	
Chloroethane	0.0250	0.0173	69.4	47.0-150	
Chloroform	0.0250	0.0217	86.8	73.0-120	
Chloromethane	0.0250	0.0255	102	41.0-142	
2-Chlorotoluene	0.0250	0.0223	89.1	76.0-123	
Benzene	0.0250	0.0254	102	70.0-123	
4-Chlorotoluene	0.0250	0.0225	89.8	75.0-122	
1,2-Dibromo-3-Chloropropane	0.0250	0.0270	108	58.0-134	
1,2-Dibromoethane	0.0250	0.0231	92.4	80.0-122	
Dibromomethane	0.0250	0.0222	88.7	80.0-120	
1,2-Dichlorobenzene	0.0250	0.0231	92.3	79.0-121	
1,3-Dichlorobenzene	0.0250	0.0227	90.6	79.0-120	
1,4-Dichlorobenzene	0.0250	0.0218	87.1	79.0-120	
Dichlorodifluoromethane	0.0250	0.0296	118	51.0-149	
1,1-Dichloroethane	0.0250	0.0237	94.8	70.0-126	
1,2-Dichloroethane	0.0250	0.0203	81.1	70.0-128	
1,1-Dichloroethene	0.0250	0.0242	96.8	71.0-124	
cis-1,2-Dichloroethene	0.0250	0.0237	94.8	73.0-120	
trans-1,2-Dichloroethene	0.0250	0.0243	97.1	73.0-120	
1,2-Dichloropropane	0.0250	0.0254	102	77.0-125	
1,1-Dichloropropene	0.0250	0.0242	96.8	74.0-126	
1,3-Dichloropropane	0.0250	0.0240	96.1	80.0-120	
cis-1,3-Dichloropropene	0.0250	0.0230	92.2	80.0-123	
trans-1,3-Dichloropropene	0.0250	0.0220	88.2	78.0-124	
2,2-Dichloropropane	0.0250	0.0272	109	58.0-130	
Di-isopropyl ether	0.0250	0.0265	106	58.0-138	
Hexachloro-1,3-butadiene	0.0250	0.0280	112	54.0-138	
Isopropylbenzene	0.0250	0.0250	100	76.0-127	
p-Isopropyltoluene	0.0250	0.0230	92.1	76.0-125	
2-Butanone (MEK)	0.125	0.155	124	44.0-160	
Methylene Chloride	0.0250	0.0241	96.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.125	0.138	110	68.0-142	

Laboratory Control Sample (LCS)

(LCS) R3407791-1 04/27/19 09:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Methyl tert-butyl ether	0.0250	0.0236	94.2	68.0-125	
Ethylbenzene	0.0250	0.0240	96.0	79.0-123	
n-Propylbenzene	0.0250	0.0220	88.0	77.0-124	
Styrene	0.0250	0.0265	106	73.0-130	
1,1,1,2-Tetrachloroethane	0.0250	0.0239	95.8	75.0-125	
1,1,2,2-Tetrachloroethane	0.0250	0.0208	83.2	65.0-130	
Tetrachloroethene	0.0250	0.0249	99.8	72.0-132	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0224	89.7	69.0-132	
1,2,3-Trichlorobenzene	0.0250	0.0248	99.0	50.0-138	
1,2,4-Trichlorobenzene	0.0250	0.0249	99.6	57.0-137	
1,1,1-Trichloroethane	0.0250	0.0235	94.0	73.0-124	
1,1,2-Trichloroethane	0.0250	0.0223	89.2	80.0-120	
Trichloroethene	0.0250	0.0262	105	78.0-124	
Trichlorofluoromethane	0.0250	0.0164	65.5	59.0-147	
1,2,3-Trichloropropane	0.0250	0.0203	81.3	73.0-130	
1,2,3-Trimethylbenzene	0.0250	0.0216	86.3	77.0-120	
1,2,4-Trimethylbenzene	0.0250	0.0222	88.7	76.0-121	
1,3,5-Trimethylbenzene	0.0250	0.0222	89.0	76.0-122	
Naphthalene	0.0250	0.0249	99.8	54.0-135	
Vinyl chloride	0.0250	0.0185	73.8	67.0-131	
Toluene	0.0250	0.0253	101	79.0-120	
Xylenes, Total	0.0750	0.0725	96.7	79.0-123	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*109*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*91.0*	*70.0-130*	

Method Blank (MB)

(MB) R3407938-3 05/03/19 10:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Chloroethane	U		0.000453	0.00500
1,1-Dichloroethane	U		0.000259	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
1,1,1-Trichloroethane	U		0.000319	0.00100
(S) Toluene-d8	*96.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*109*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3407938-1 05/03/19 09:11 • (LCSD) R3407938-2 05/03/19 09:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.219	0.178	175	143	19.0-160	J4		20.2	27
Chloroethane	0.0250	0.0159	0.0144	63.6	57.6	47.0-150			9.85	20
1,1-Dichloroethane	0.0250	0.0257	0.0240	103	96.0	70.0-126			6.87	20
1,1-Dichloroethene	0.0250	0.0260	0.0244	104	97.5	71.0-124			6.63	20
1,1,1-Trichloroethane	0.0250	0.0240	0.0234	96.1	93.6	73.0-124			2.65	20
(S) Toluene-d8				*98.5*	*96.4*	*80.0-120*				
(S) 4-Bromofluorobenzene				*107*	*110*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.5*	*94.6*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

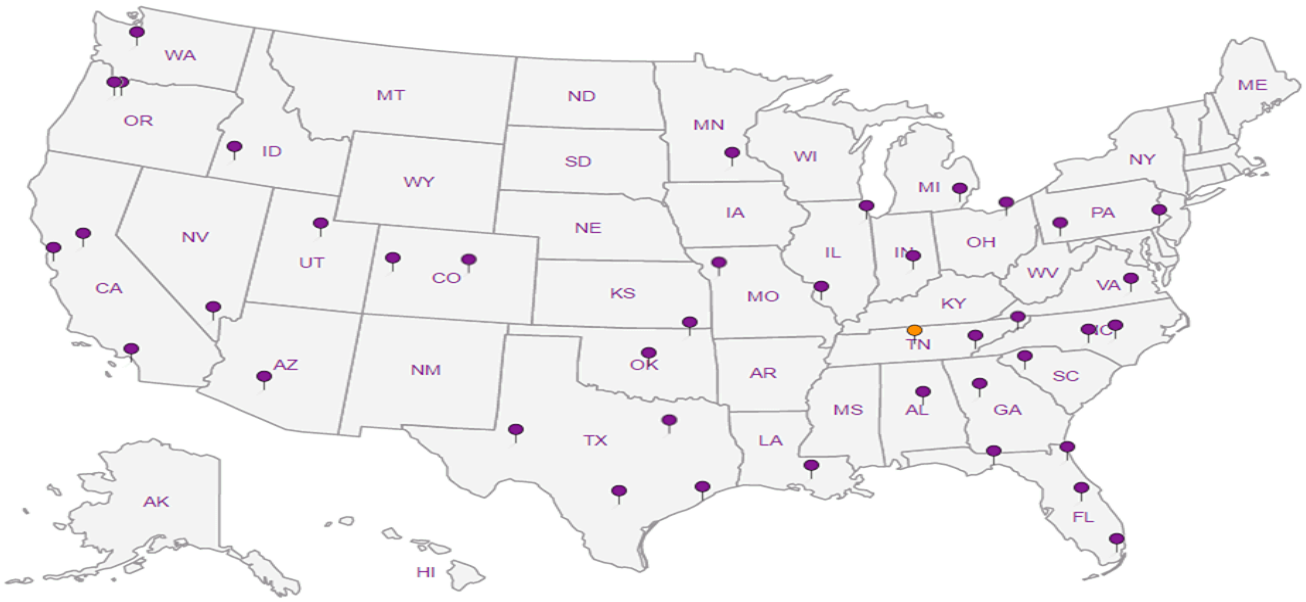
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Pace Analytical
www.pacelabs.com

HALEY ALDRICH

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

109265

H186

Section A
Required Client Information:

Company: Hasley & Aldrich of New York
Address: 200 Town Centre Crive Ste 2
Rochester, NY 14623
Email To: mramsdell@haleyaldrich.com
Phone: 585-421-4242 Fax:
Requested Due Date/TAT: Standard

Section B
Required Project Information:

Report To: Mark Ramsdell
Copy To:
BSA #: 2019-22-Pace
H&A Client Name: CooperVision, Inc.
H&A Project #: 129375-005

Section C
Invoice Information:

Attention: Accounts Payable
Company Name: Haley & Aldrich
Address: 70 Blanchard Rd., Ste 430, Burlington M
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

220 William Pitt Way, Pittsburgh, PA 15238 (Pace Energy)
1700 Elm Street SE - Minneapolis, MN 55414
7726 Moller Road - Indianapolis, IN 46268

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING
☐ UST ☐ RCRA ☐

Site Location
STATE:

Pace's services under this Chain of Custody shall be performed in accordance with terms and conditions within Blanket Service Agreement #2019-22-Pace by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and Pace Analytical Services, Inc.

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE
Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Collection Info DATE	COLLECTED Collection Info TIME	Sample Depth Start Depth (Circle: feet or inches)	Sample Depth End Depth (Circle: feet or inches)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOCs (8260)	Total organic Carbon (415.1)	Dissolved Gases (RSK-175)	Alkalinity	Sulfide	Sulfate, Nitrate, Nitrite, Chloride	Organic Acids (Metabolic Acids - Acetic, Lactic, Butyric, Propionic, and Pyruvic Acids)	Total Iron	Dissolved Iron	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW3-042319-1055	WT	G	4/23/19	1055				10										X		X	X	X	X		X	X		-01
2	MW202-042319-1125	WT		4/23/19	1125				13										X	X	X	X	X	X	X	X	X		02
3	MW204-042319-1215	WT		4/23/19	1215				3										X										03
4	DW306-042319-1350	WT		4/23/19	1350				3										X										04
5	MW205-042319-1540	WT		4/23/19	1540				12										X		X	X	X	X	X	X	X		05
6	MW203-042319-1440	WT		4/23/19	1440				3										X										06
7	DWS302-042419-1020	WT		4/24/19	1020				3										X										07
8	MW501-042419-1150	WT		4/24/19	1150				3										X										08
9	MW502-042419-1325	WT	G	4/24/19	1325				3										X										09
10	1234-042319-0001	WT	G	4/23/19	n/a				1										X										Trip Blank 10
11																													
12																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
* Dissolved Iron NOT field filtered	DB Keller	04/24	1515		4/24	1515	
		4/25/19	9:07	PACE	4/25/19	9:25	
	PACE	4/25/19	17:00				
				Mc Faire	4/26/19	0845	

1.5±0=1.5 A3BF
COC51

FedEx: 7750 6309 6936
Rec:53 +1 HCl TB

RAD SCREEN: <0.5 mR/hr

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: David Keller
SIGNATURE of SAMPLER: DB Keller
DATE Signed (MM/DD/YY): 04/24/19

Temp in °C | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

20-July-2015

NCF

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client:	SDG#:	1092865	
Cooler Received/Opened On: 4/26/19	Temperature:	1.5	
Received By: Brock Fariss			
Signature: Brock Fariss			

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	✓		
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			✓

Kelsey Stephenson

Pace Analytical®
National Center for Testing & Innovation

Login #:L1092865	Client:HALALDRNY	Date:04/26	Evaluated by:Kelsey S

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time		Login Clarification Needed		**If Broken Container:**
	Temperature not in range		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
X	pH not in range.		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Courie
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments:

1) **Sulfides received with a pH of ~10**
2) **Mw-205-042319-1540 metals received with a pH of 5**
3) **TOC received with a pH of 9**

Client informed by:		Call		Email		Voice Mail		Date:	Time:
TSR Initials:	Client Contact:								

Login Instructions:

Please preserve and proceed with analysis.

APPENDIX H

Groundwater Sampling Field Forms

Low-Flow Field Sampling Form

Location (Site/Facility Name): Coopervision

Sample Order: 5

WELL ID: MW-501

Job Number: 129375
Well ID: MW-501
Field Crew: MC/JS

Date: 10-26-18
Start Time: ~~9:30~~ 11:30
Finished Time:
Sample Time: ~~12:30~~ 12:35

Initial Depth to Water: 4.5
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): ~~5.7~~ 0.3

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	~~4.5~~	0	-	-	-	-	-	-	
5	4.5	0.2	14	7.39	12.88	3.57	49	-14.5	
10	5.5	0.75	15.9	7.50	13.01	0.35	92.5	-41.5	150/MINS
15	6.3	1	15.5	7.51	12.88	0.20	81.4	-55.1	
20	6.5	1.25	15.7	7.51	12.39	0.14	70.2	-58.1	
25	6.5	1.5	15.4	7.51	12.84	0.18	76.3	-61.-	
30	6.5	~~1.75~~	16	7.41	12.67	0.25	75.3	-67.6	
35	6.7	2	15.7	7.49	12.70	0.25	79.2	-69.4	
40	6.7	2.25	15.3	7.48	12.68	0.25	87.2	-71.3	
45	7.2	2.25	15.4	7.46	12.54	0.30	79.3	-73.0	
50	7.4	2.35	15.8	7.46	12.45	0.32	71.5	-72.1	
55	7.5	2.5	15.9	7.45	12.41	0.33	65.9	-78.7	
60	7.8	2.8	17.8	7.38	12.06	0.22	-73.5	-75.1	
									SAmple AT 12:35

Comments:

VOCs (3 vials)

Low-Flow Field Sampling Form | Sample Order 2 | WELL ID: MW-502

Location (Site/Facility Name): Coopervision

Job Number:	129375	Date:	10-26-16	Initial Depth to Water:	4.4	Purging Device:	Waterra w/Hydrolift
Well ID:	MW-502	Start Time:	9:30	Well Depth:	32.71	Tubing in well:	No
Field Crew:	MC/JS	Finished Time:		Depth to top of screen:	unkown	Tubing Type:	HDPE
		Sample Time:		Depth to bottom of screen:	unkown		
				Depth of Intake:	32.2	PID (ppm):	5.7

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	4.4	0	-	-	-	-	-	-	
5	14.63	1.5	15.9	7.18	2.74	2.14	012	-101.8	* DARK BROWN
10	16.46	2.4	15.7	7.18	2.74	0.25	012	-108.1	Pumped 1.25 gal
15	16.30	2.5	15.2	7.16	2.74	0.19	012	-111.8	- Moved tubing up
20	16.40	2.75	15.2	7.15	2.74	0.13	012	-116.4	1'
25	16.20	2.76	14.8	7.13	2.75	0.10	012	-119.4	
30	18.45	3.0	15.1	7.12	2.76	0.08	012	-122.7	Set tubing AT
35	16.52	3.5	14.9	7.11	2.76	0.08	012	-125.1	29'
40	16.50	4	14.8	7.10	2.76	0.06	012	-127.1	
45	16.52	4.5	14.8	7.11	2.77	0.07	012	-129.1	
50	16.50	5.0	14.8	7.11	2.77	0.06	012	-129.7	
55	16.52	5.5	14.8	7.10	2.77	0.06	012	-129.9	
60	16.50	6	14.8	7.11	2.77	0.07	012	-130.0	
									SAMPLE AT
									11:15
									MW501-102615-1115

Comments:

VOCs (3 vials)

Has purged dry (occasionally)

Low-Flow Field Sampling Form
Location (Site/Facility Name): Coopervision

Sample Order 9

WELL ID: MW-204

Job Number: 129375
Well ID: MW-204
Field Crew: ~~TDS~~ MC/JS

Date: 10-25-18
Start Time: 11:45
Finished Time:
Sample Time: 12:30

Initial Depth to Water:
Well Depth: 19.12
Depth to top of screen: unkown
Depth to bottom of screen: unkown
Depth of Intake: 18.6

Purging Device: Waterra w/Hydrolift
Tubing in well: No
Tubing Type: HDPE
PID (ppm):

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	6.70	~~0.5~~ 0	-	-	-	-	-	-	
5	5.36	~~1.0~~ 0.5	17.7	7.34	3.14	0.25	8.37	-44.4	290/MCS/mh
10	6.58	1.0	11.3	7.29	~~3.14~~	0.19	14.5	-61.6	
15	6.00	1.4	17.0	7.27	3.11	0.24	36	-56.7	
20	4.03	~~1.5~~ 1.75	17.3	7.28	3.10	0.41	25.7	-50.3	
25	9.05	2.0	17.11	7.29	3.10	0.49	15.3	-43.9	
									Sample at 12:30
									MW204 - 102518-1230

Comments:

VOCs (3 vials)

Low-Flow Field Sampling Form

Location (Site/Facility Name): Coopervision

Sample Order 3

WELL ID: OWS-302

Job Number: 129375
Well ID: OWS-302
Field Crew: MC / BS

Date: 10-26-18
Start Time: 12:45
Finished Time:
Sample Time:

Initial Depth to Water: 4.0
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): NA

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	1-inch well	0	-	-	-	-	-	-	
5	4.5	0.2	17.5	7	12.22	0.25	96.7	-94.1	150 / MINS
10	5.20	0.4	17.6	6.98	12.28	0.22	42	-99.3	
15	6.15	0.75	17.6	6.97	12.24	0.11	36	-103.5	
20	7.0	1.0	17.5	6.95	12.17	0.15	29.5	-107.3	
25	7.3	1.25	17.4	6.94	12.13	0.21	22.5	-106.5	
30	7.5	1.5	17.3	6.94	12.10	0.25	18.7	-103.6	
									SAMPLE AT
									1320
									OWS302-102618-1320

Comments:

VOCs (3 vials)

Has purged dry (occasionally)

Low-Flow Field Sampling Form
Location (Site/Facility Name): **Coopervision**

Sample Order: 10

WELL ID: **OW-306**

Job Number: 129375
Well ID: OW-306
Field Crew: ~~MC/JS~~

Date: 10/25
Start Time: 1245
Finished Time:
Sample Time: 1350

Initial Depth to Water: 3.44
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

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	1-inch well	0	-	-	-	-	-	-	
5	4.41	0.3	17.3	6.87	0.64	6.55	0.52	70.6	
10	4.40	0.45	17.4	6.90	9.47	1.29	0.72	76.8	
15	4.43	1.0	17.8	6.92	8.28	1.59	0.72	82.6	
20	4.43	1.85	17.5	6.96	7.27	2.33	0.52	86.0	
25	4.45	1.850	17.8	6.99	7.00	2.75	1349	89.0	
30	4.46	2.5	17.4	6.99	5.63	2.91	1557	98.0	
35	4.46	3	17.8	6.99	5.45	3.01	1518	101.6	
40	4.46	3.5	17.5	7	5.41	3.10	1619	104.3	
45	4.46	4	17.5	6.99	5.35	3.03	1815	106.1	
50	4.46	4.5	17.5	7	5.31	~~3.02~~ 2.99	1825	107.6	
55	4.46	5.0	17.5	7	5.29	2.96	1836	108.6	
60	4.46	5.5	17.5	7	5.24	2.91	1842	109.3	
									Sample At 1352
									~~MS~~
									Dup
									OW306 - 102578 - 1352

Comments:

VOCs (3 vials)

Low-Flow Field Sampling Form | Sample Order: 1 | WELL ID: MW-3

Location (Site/Facility Name): Coopervision

Job Number: 129375
Well ID: MW-3
Field Crew: JMS / MbC

Date: 10/25/18
Start Time:
Finished Time:
Sample Time:

Initial Depth to Water: 4.0
Well Depth: 9.8
Depth to top of screen: unkown
Depth to bottom of screen: unkown
Depth of Intake: 9.3

Purging Device: Waterra w/Hydrolift
Tubing in well: No
Tubing Type: HDPE
PID (ppm): 0.3

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	1 inch well	0	-	-	-	-	-	-	140 mL/min
2	—	0.1	16.5	7.73	2.35	1.63	27	-43.3	
5		0.2	16.3	7.59	2.25	1.38	57	-39.6	
8		0.25	15.7	7.42	2.15	1.90	85.5	-36.6	
11		0.3	14.8	7.23	2.24	5.30	93.6	-22.4	Purged Dry
									Sample ID
									MW3-102518-1000

Comments:

VOCs (3 vials), RSK-175 (3 vials), Alkalinity (1 plastic), NO2/NO3/Cl/SO4 (1 plastic), Sulfide (1 plastic), Organic Acids (1 amber glass), Fe filtered (1 plastic), Fe unfiltered (1 plastic)

Will likely pump dry

Low-Flow Field Sampling Form
Location (Site/Facility Name): Coopervision

Sample Order: 8

WELL ID: MW-202

Job Number: 129375
Well ID: MW-202
Field Crew: JMS / MGL

Date: 10/25/18
Start Time: 10:15
Finished Time:
Sample Time: 11:10

Initial Depth to Water: 6.77
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): 0.5

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	3.3	0	-	-	-	-	-	-	
5	5.03	0.3	16.7	7.55	6.89	0.76	9.25	-6.3	
10	5.39	0.5	16.5	7.61	6.15	0.67	4.04	-5.3	
15	5.43	0.7	16.5	7.60	5.90	1.36	3.95	+6.4	
20	5.55	1.0	16.1	7.60	5.77	0.51	2.55	13.9	
25	5.67	1.27	16.5	7.58	5.70	0.67	2.89	13.3	
30	5.71	1.50	16.6	7.57	5.67	0.79	2.54	8.3	
35	5.76	2.0	17.1	7.55	5.58	1.05	2.09	9.6	
40	5.82	2.3	16.6	7.55	5.62	1.18	1.88	7.1	
45	5.84	2.7	16.3	7.55	5.62	1.21	1.24	8.4	
									Sample
									MW202-102518-1110

Comments:

VOCs (3 vials), TOC (3 vials), RSK-175 (3 vials), Alkalinity (1 plastic), $NO_2/NO_3/Cl/SO_4$ (1 plastic), Fe (1 plastic), Sulfide (1 plastic), Organic Acids (1 amber glass)

Fe unfiltered (1 plastic), Fe filtered (1 plastic)

Low-Flow Field Sampling Form
Location (Site/Facility Name): Coopervision

Sample Order 11

WELL ID: MW-203

Job Number: 129375
Well ID: MW-203
Field Crew: MCGS

Date: 10/25/18
Start Time: 14.00
Finished Time:
Sample Time: 1440

Initial Depth to Water: 2.91
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): 1.1

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	4.40	0	-	-	-	-	-	-	
5	7.0	1.0	17.8	7.83	1.006	1.78	27.3	41.4	300 mls/min
10	7.40	1.3	14	7.77	0.95	2.16	11.8	42.5	
15	7.45	1.6	17.4	7.75	0.88	2.32	9.62	46.6	
20	7.50	1.7	17.1	7.72	0.87	2.46	9.36	53.4	
25	7.52	2.0	17.0	7.72	0.87	2.50	6.58	55.1	
30	7.50	2.3	16.9	7.72	0.87	2.50	7.51	55.9	
									Sample
									MW203-102518-2'1440

Comments:

VOCs (3 vials)

Low-Flow Field Sampling Form

Location (Site/Facility Name): Coopervision

Sample Order: 4

WELL ID: MW-205

Job Number: 129375
Well ID: MW-205
Field Crew: JC/JS

Date: 10-25-18
Start Time: 15:20
Finished Time:
Sample Time: 1615

Initial Depth to Water:
Well Depth: 27.6
Depth to top of screen: unkown
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): 119.8

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	4.50	0	-	-	-	-	-	-	
5	~~6.68~~	0.5	18.41	6.19	8.13	0.58	6.63	-54.8	PID - 119.8
10	6.68	0.5	18.6	6.10	8.20	0.29	5.18	-65.3	
15	8.0	0.75	18.6	6.08	8.15	0.19	4.13	-70.5	NOTE: Strong odor
20	9.70	0.85	18.6	6.07	8.18	0.18	3.82	-74.7	
25	10.1	1.0	18.6	6.07	8.19	0.17	3.50	-77.6	175 MIS/MIN
30	11.6	1.41	18.5	6.06	8.20	0.16	3.55	-79.7	
35	13.2	1.7	18.41	6.06	8.19	0.15	2.76	-81.2	NOTE: Bring Pans for odord control
40	14.25	1.8	18.4	6.05	8.04	0.15	3.49	-82.0	
45	15.1	2	18.41	6.05	8.06	0.16	2.92	-82.5	
50	15.25	2.25	18.3	6.05	8.06	0.16	2.36	-82.6	↑ Discharge to 250/MIN
55	16.80	2.5	18.3	6.05	8.04	0.15	2.22	-82.8	
60	15.75	2.75	18.3	6.05	8.01	0.15	2.18	-83.1	
									SAMPLE AT 1615
									MW205-102518-1615

Comments:

VOCs (3 vials), RSK-175 (3 vials), Alkalinity (1 plastic), $NO_2/NO_3/Cl/SO_4$ (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.

Low-Flow Field Sampling Form | Sample Order 3 | WELL ID: **OWS-302**

Location (Site/Facility Name): **Coopervision**

Job Number:	129375	Date:	04/24/19	Initial Depth to Water:	2.75	Purging Device:	Waterra w/Hydrolift
Well ID:	OWS-302	Start Time:	09:38	Well Depth:	21.82	Tubing in well:	No
Field Crew:	JS/DBK	Finished Time:	10:30	Depth to top of screen:	unkown	Tubing Type:	HDPE
		Sample Time:	1020	Depth to bottom of screen:	unkown		
				Depth of Intake:	21.3	PID (ppm):	—

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	~~1 inch well~~ 2.75	0	-	-	-	-	-	-	
5	3.55	0.1	53.1	6.83	10.70	14.60	7.55	-80.2	100 ml/min
10	4.90	0.5	54.6	6.95	10.79	13.74	12.30	-97.4	170 ml/min
15	5.35	0.7	53.4	6.96	10.66	13.93	16.4	-99.4	
20	5.85	0.8	53.4	6.97	10.77	15.55	18.0	-100.8	
25	6.40	1.0	53.4	6.97	10.73	14.60	16.1	-102.3	
30	7.01	1.1	54.2	6.97	10.65	16.03	18.4	-103.0	OK to sample
									OWS302-042419-1020

Comments:

VOCs (3 vials)
Has purged dry (occasionally)

Low-Flow Field Sampling Form | Sample Order 5 | WELL ID: **MW-501**

Location (Site/Facility Name): **Coopervision**

Job Number:	129375	Date:	04/24/19	Initial Depth to Water:	3.34	Purging Device:	Waterra w/Hydrolift
Well ID:	MW-501	Start Time:	10:35	Well Depth:	10.31	Tubing in well:	No
Field Crew:	JS/DBK	Finished Time:	12:00	Depth to top of screen:	unkown	Tubing Type:	HDPE
		Sample Time:	11:50	Depth to bottom of screen:	unkown		
				Depth of Intake:	9.8	PID (ppm):	—

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	3.35	0	-	-	-	-	-	-	150 ml/min
5	4.90	0.2	54.0	7.69	30.57	30.03	26.8	-87.9	
10	5.20	0.4	53.7	7.67	30.43	28.22	38.9	-72.7	
15	5.55	0.5	52.9	7.64	29.22	26.77	56.3	-59.7	
25	6.10	0.7	53.8	7.59	27.44	25.47	45	-64.0	
30	6.20	0.8	53.1	7.55	26.98	28.31	83.8	-67.0	
40	6.10	0.9	53.2	7.44	25.44	30.30	83.6	-71.1	
50	6.50	1.0	54.6	7.33	23.51	14.90	74.7	-72.1	90 ml/min
55	—	1.2	54.4	7.28	22.72	105.40	84.6	-70.3	155 ml/min
60	6.79	1.3	56.1	7.25	22.22	79.75	50+*	-68.3	*meter not reading correctly
									MW501-042419-1150

Comments:

VOCs (3 vials)

Low-Flow Field Sampling Form | Sample Order 4 | WELL ID: **MW-205**

Location (Site/Facility Name): **Coopervision**

Job Number:	129375	Date:	04/23/19	Initial Depth to Water:	3.78	Purging Device:	Waterra w/Hydrolift
Well ID:	MW-205	Start Time:	15:06	Well Depth:	27.6	Tubing in well:	No
Field Crew:	JS/DBK	Finished Time:	16:00	Depth to top of screen:	unkown	Tubing Type:	HDPE
		Sample Time:	15:40	Depth to bottom of screen:	unkown		
				Depth of Intake:	27.1	PID (ppm):	—

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	—	1.50 ✱	-	-	-	-	-	-	1.50 = 0 gal
5	5.38	1.8✱	66.5	6.01	7.64	22.78	12.14	-61.5	165 ml / min
10	6.65	2.0✱	66.4	6.02	7.65	20.15	16.8	-61.1	
15	6.69	2.2	66.5	6.02	7.67	20.54	20.9	-61.2	
20	8.65	2.4	66.6	5.97	7.65	18.77	20.8	-58.5	
25	9.55	2.6	66.7	6.03	7.67	20.44	19.8	-60.1	OK to sample
									MW205-042319-1540

Comments:

VOCs (3 vials), RSK-175 (3 vials), Alkalinity (1 plastic), $NO_2/NO_3/Cl/SO_4$ (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.

Low-Flow Field Sampling Form | Sample Order 11 | WELL ID: **MW-203**

Location (Site/Facility Name): **Coopervision**

Job Number:	129375	Date:	04/23/19	Initial Depth to Water:	2.81	Purging Device:	Waterra w/Hydrolift
Well ID:	MW-203	Start Time:	14:05	Well Depth:	19.45	Tubing in well:	No
Field Crew:	JS / DBK	Finished Time:	14:50	Depth to top of screen:	unknown	Tubing Type:	HDPE
		Sample Time:	14:40	Depth to bottom of screen:	unknown		
				Depth of Intake:	19.0	PID (ppm):	—

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	-	-	-	-	-	-	175 ml/min
5	4.85	0.50	58.4	7.65	1.09	15.23	12.3	104.1	
10	5.31	0.70	58.9	7.68	1.09	9.69	7.75	96.9	
15	5.65	0.90	59.3	7.69	1.09	9.71	5.50	93.8	
20	5.97	1.00	58.6	7.66	1.09	9.63	4.11	92.1	
25	6.10	1.10	58.0	7.64	1.09	9.77	5.85	92.5	OK to sample
									MW203-042319-1440

Comments:

VOCs (3 vials)

Low-Flow Field Sampling Form | Sample Order 10 | WELL ID: **OW-306**

Location (Site/Facility Name): **Coopervision**

Job Number:	129375	Date:	4/23	Initial Depth to Water:		Purging Device:	Waterra w/Hydrolift
Well ID:	OW-306	Start Time:	1240	Well Depth:	13.36	Tubing in well:	No
Field Crew:	JS/DBK	Finished Time:		Depth to top of screen:	unknown	Tubing Type:	HDPE
		Sample Time:	13:50	Depth to bottom of screen:	unknown		
				Depth of Intake:	12.9	PID (ppm):	

Time Elapsed (Minutes)	Depth to Water (TOR)	Cumulative Purge Volume (gallons)	Temperature (~~Celsius~~) F +/- 10%	pH +/- 0.1	Conductivity (ms/cm) +/- 3%	Dissolved Oxygen (mg/L) +/- 10%	Turbidity (NTU) <50	ORP/eH (mV) +/- 10 mV	Comments
0	1-inch well	0	-	-	-	-	-	-	170 mL/min
5	–	0.4	59.3	6.96	23.57	12.61	103	132.0	
10	–	0.7	57.1	6.90	21.37	14.93	2279	138.6	
15	–	1.0	56.4	6.86	21.20	17.80	2963	140.5	
20	–	1.3	55.4	6.87	21.07	22.69	3188	144.6	
25	–	1.6	55.4	6.87	20.97	23.60	3236	147.6	
30	–	1.9	55.2	6.86	20.80	23.75	2748	147.9	
35	–	2.2	55.2	6.87	20.65	23.99	2433	149.1	
40	–	2.5	55.5	6.87	20.57	24.80	2558	150.5	
45	–	2.8	56.1	6.87	20.46	23.70	2573	151.0	
50	–	3.1	56.8	6.88	20.34	21.82	2793	151.1	
55	–	3.3	56.9	6.88	20.42	21.49	2572	151.2	
60	–	3.5	57.1	6.88	20.37	20.14	2747	152.0	Sample
									~~MW~~
									OW306-042319-1350

Comments:

VOCs (3 vials)

Low-Flow Field Sampling Form | Sample Order 9 | WELL ID: **MW-204**

Location (Site/Facility Name): **Coopervision**

Job Number:	129375	Date:	04/23/19	Initial Depth to Water:	4.74	Purging Device:	Waterra w/Hydrolift
Well ID:	MW-204	Start Time:	11:48	Well Depth:	19.12	Tubing in well:	No
Field Crew:	JS/DBK	Finished Time:	12:20	Depth to top of screen:	unkown	Tubing Type:	HDPE
		Sample Time:	1215	Depth to bottom of screen:	unkown		
				Depth of Intake:	18.6	PID (ppm):	—

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	4.55	0	-	-	-	-	-	-	
5	6.05	0.2	55.4	7.29	2.87	1.48	12.28	99.4	170 ml/min
10	6.75	0.5	55.3	7.27	2.82	1.48	9.28	94.6	
15	7.09	0.7	55.3	7.28	2.82	1.40	6.93	91.4	
20	7.25	0.9	56.1	7.27	2.80	1.59	6.65	89.7	OK to sample
									MW204-042319-1215

Comments:

VOCs (3 vials)

Low-Flow Field Sampling Form | Sample Order 8 | WELL ID: **MW-202**

Location (Site/Facility Name): **Coopervision**

Job Number:	129375	Date:	04/23/19	Initial Depth to Water:	5.74	Purging Device:	Waterra w/Hydrolift
Well ID:	MW-202	Start Time:	10:39	Well Depth:	18.9	Tubing in well:	No
Field Crew:	JS/DBK	Finished Time:		Depth to top of screen:	unknown	Tubing Type:	HDPE
		Sample Time:	11:25	Depth to bottom of screen:	unknown		
				Depth of Intake:	18.4	PID (ppm):	—

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	6.60	0.7	55.7	7.41	13.08	2.93	21.0	84.0	125 ml/min
10	6.75	0.9	56.1	7.42	13.40	3.24	18.8	84.1	
15	6.84	1.1	56.1	7.41	13.36	2.45	13.6	84.4	
20	6.88	1.3	55.7	7.41	13.40	2.66	10.01	85.4	
25	6.90	1.5	56.2	7.41	13.32	2.74	8.03	86.4	
30	6.90	1.6	56.2	7.41	13.34	2.79	6.45	87.3	OK to sample
									MW202-042319-1125

Comments:

VOCs (3 vials), TOC (3 vials), RSK-175 (3 vials), Alkalinity (1 plastic), $NO_2/NO_3/Cl/SO_4$ (1 plastic), Fe (1 plastic), Sulfide (1 plastic), Organic Acids (1 amber glass)
Fe unfiltered (1 plastic), Fe filtered (1 plastic)

Low-Flow Field Sampling Form | Sample Order 1 | WELL ID: **MW-3**

Location (Site/Facility Name): **Coopervision**

Job Number:	129375	Date:	04/23/19	Initial Depth to Water:	3.76	Purging Device:	Waterra w/Hydrolift
Well ID:	MW-3	Start Time:	10:00	Well Depth:	9.8	Tubing in well:	No
Field Crew:	JS/DBK	Finished Time:		Depth to top of screen:	unkown	Tubing Type:	HDPE
		Sample Time:		Depth to bottom of screen:	unkown		
				Depth of Intake:	9.3	PID (ppm):	—

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	1 inch well	0	-	-	-	-	-	-	
2	—	0.02	60.6	7.01	2.12	10.77	25.5	-2.2	
5	—	0.[illegible]5	59.1	7.22	1.99	4.02	30.9	-40.8	
10	—	0.1[illegible]	59.5	7.36	1.77	4.33	27.5	-4.2	
15	—	0.3	59.8	7.43	1.69	44.6	23.3	11.4	
20		0.35	59.4	7.45	1.72	3.76	32.3	20.7	pumped dry
									Sample ID
									MW3-042319-1055

Comments:

VOCs (3 vials), RSK-175 (3 vials), Alkalinity (1 plastic), NO2/NO3/Cl/SO4 (1 plastic), Sulfide (1 plastic), Organic Acids (1 amber glass), Fe filtered (1 plastic), Fe unfiltered (1 plastic)
Will likely pump dry

Low-Flow Field Sampling Form | Sample Order 2 | WELL ID: **MW-502**

Location (Site/Facility Name): **Coopervision**

Job Number:	129375	Date:	04/24/19	Initial Depth to Water:	4.75	Purging Device:	Waterra w/Hydrolift
Well ID:	MW-502	Start Time:	12:10	Well Depth:	32.71	Tubing in well:	No
Field Crew:	JS/DBK	Finished Time:	1340	Depth to top of screen:	unkown	Tubing Type:	HDPE
		Sample Time:	1325	Depth to bottom of screen:	unkown		
				Depth of Intake:	32.2	PID (ppm):	—

Time Elapsed (Minutes)	Depth to Water (TOR)	Cumulative Purge Volume (gallons)	Temperature ~~(celsius)~~ °F +/- 10%	pH +/- 0.1	Conductivity (ms/cm) +/- 3%	Dissolved Oxygen (mg/L) +/- 10%	Turbidity (NTU) <50	ORP/eH (mV) +/- 10 mV	Comments
0	—	0	-	-	-	-	-	-	150 ml/min
5	5.30	0.4	55.9	7.01	3.11	39.30	30.8	-87.3	
10	5.85	0.5	56.6	7.01	2.92	31.61	23.1	-90.5	
20	6.90	0.8	57.7	7.02	2.86	72.15	18.8	-94.9	
25	7.35	1.0	57.9	7.01	2.93	68.66	13.3	-96.3	
30	7.55	1.2	56.2	7.02	2.85	74.66	13.2	-97.5	
35	7.55	1.3	58.5	7.00	2.83	100.17	19.8	-97.8	
45	8.00	1.5	56.9	7.00	2.84	230.59	20.6	-101.3	
50	8.00	1.7	57.1	7.00	2.84	78.00	21.4	-99.4	
55	7.90	1.8	56.8	7.00	2.84	288.90	21.0	-101.5	
60	8.00	2.0	57.2	7.00	2.83	342.90	16.9	-103.0	sample
									MW502-042419-1325

Comments:

VOCs (3 vials)

DO jumping all over From ~30 to >200 → different every time the YSI takes a reading

Has purged dry (occasionally)

APPENDIX I

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	MW205-101217-1430	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** [A]	**44000** [A]	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** [A]	**210000** [A]	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** [A]	**20000** [A]
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** [A]	**732** [A]	-	-
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	-	**4600**	**6000**	-	-
Propane	-	ND (100)	ND (100)	-	-
Inorganic Compounds (ug/L)					
Iron, Dissolved	300	**110000** [A]	**106000** [A]	-	-
Iron, Total	300	**110000** [A]	**107000** [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

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** [A]	**72** [A]	**57** [A]	**110** [A]	**100** [A]	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** [A]	**410** [A]	**330** [A]	**710** [A]	**2000** [A]	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** [A]	**29** [A]	**68 J** [A]	**57** [A]	**230 J** [A]	ND (5)*
Other (mg/L)							
Acetic acid	-	-	-	-	-	-	-
Alkalinity, Total (as CaCO3)	-	**228**	**216**	-	-	-	-
Butanoic acid	-	-	-	-	-	-	-
Carbon	-	-	-	-	-	-	-
Chloride	-	**397** [A]	**435** [A]	-	-	-	-
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 [A]**	**59 [A]**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethene	5	**110 J [A]**	**63 [A]**	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 [A]**	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 [A]**	**3290 [A]**	-	-	-	-	-	-
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 [A]**	**311 [A]**	-	-	-	-	-	-
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	
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)
Ethene	-	ND (1)	ND (1)	-	-	-	-	-	-
Methane	-	**9.3**	ND (1.1)	-	-	-	-	-	-
Propane	-	ND (1)	ND (1)	-	-	-	-	-	-
Inorganic Compounds (ug/L)									
Iron, Dissolved	300	ND (100)	**140**	-	-	-	-	-	-
Iron, Total	300	ND (100)	ND (100)	-	-	-	-	-	-

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
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 [A]**	**39000 [A]**	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 [A]**	**200000 [A]**	500 R	**270 J [A]**
1,1-Dichloroethene	5	10000 R	**1500 J [A]**	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 [A]**
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 [A]**	**28000 J [A]**	**17000 [A]**
Chloroform (Trichloromethane)	7	10000 R	ND (10000)	500 R	**330 J [A]**
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** [A]	**109000** [A]	-	-
Iron, Total	300	**108000 J** [A]	**113000** [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

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

Location	Action Level	BAP-01		BAP-02		MW-3		MW-501		MW-502	
Sample Name	NYSDEC	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
Sample Date	TOGS	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
Sample Type	Ambient	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	Water	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 [A]**	**2000 [A]**	**640 J [A]**	**620 [A]**	**85 J [A]**	**64 [A]**	**140 J [A]**	**98 [A]**	**120 J [A]**	**92 J [A]**
1,1-Dichloroethene	5	**720 J [A]**	**220 [A]**	**270 J [A]**	**160 [A]**	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 [A]**	**370 [A]**	**25 J [A]**	**30 [A]**	**400 J [A]**	**280 [A]**	**1100 J [A]**	**620 [A]**	**3000 J [A]**	**2200 [A]**
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 [A]**	**1300 [A]**	**110 J [A]**	**150 [A]**	**35 J [A]**	**26 [A]**	**82 J [A]**	**65 [A]**	**260 J [A]**	**230 [A]**
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	Action Level	BAP-01		BAP-02		MW-3		MW-501		MW-502	
Sample Name	NYSDEC	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
Sample Date	TOGS	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
Sample Type	Ambient	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	Water	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 [A]**	**790 [A]**	**660 J [A]**	**1310 [A]**	100 R	ND (100)	-	-	-	-
Iron, Total	300	**34700 J [A]**	**1600 [A]**	**1010 J [A]**	**11700 [A]**	**2260 J [A]**	**2800 [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

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** [A]	**37** [A]	5 R	**0.29 J**	ND (5)	**4.8 J**	ND (5)	**0.74 J**
1,1-Dichloroethene	5	**98 J** [A]	**38** [A]	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** [A]	**271** [A]	-	-	-	-	-	-
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	
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)
Ethene	-	ND (1)	ND (1)	-	-	-	-	-	-
Methane	-	**29 J**	ND (1)	-	-	-	-	-	-
Propane	-	ND (1)	ND (1)	-	-	-	-	-	-
Inorganic Compounds (ug/L)									
Iron, Dissolved	300	ND (100)	ND (100)	-	-	-	-	-	-
Iron, Total	300	ND (100)	**120**	-	-	-	-	-	-

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		MW-205			OWS-302	
Sample ID	NYSDEC TOGS AMBIENT WATER Class GA	MW-205_040215	MW-205_100615	MW-205-040716-1315	OWS-302_100615	OWS-302-040716-1130
Sample Date		04/02/2015	10/06/2015	04/07/2016	10/06/2015	04/07/2016
Sample Type		N	N	N	N	N
Sample Depth (bgs)		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** [A]	**43000** [A]	**57000** [A]	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** [A]	**200000** [A]	**200000 J-** [A]	ND (1300)	ND (500) J
1,1-Dichloroethene	5	**1900 J** [A]	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** [A]	ND (10000)	ND (5000) J	**41000** [A]	**15000 J-** [A]
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		MW-205			OWS-302	
Sample ID	NYSDEC TOGS AMBIENT WATER Class GA	MW-205_040215	MW-205_100615	MW-205-040716-1315	OWS-302_100615	OWS-302-040716-1130
Sample Date		04/02/2015	10/06/2015	04/07/2016	10/06/2015	04/07/2016
Sample Type		N	N	N	N	N
Sample Depth (bgs)		21.2 - 28 (ft)	21.2 - 28 (ft)	21.2 - 28 (ft)	13 - 17.8 (ft)	13 - 17.8 (ft)
Other (mg/L)						
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)
Other (ug/L)						
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)
Inorganic Compounds (mg/L)						
Nitrite (as N)		**0.056**				
Inorganic Compounds (ug/L)						
Iron, Dissolved	300	**118000** [A]	**111000** [A]	**14500** [A]	**1730** [A]	
Iron, Total	300	**119000** [A]	**117000** [A]	**15600** [A]	**7060** [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		BAP-01			BAP-02			MW-3		
Sample ID	NYSDEC TOGS AMBIENT WATER Class GA	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		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		N	N	N	N	N	N	N	N	N
Sample Depth (bgs)		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	NYSDEC TOGS AMBIENT WATER Class GA	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		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		N	N	N	N	N	N	N	N	N
Sample Depth (bgs)		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	NYSDEC TOGS AMBIENT WATER Class GA	MW-501_040215	MW-501_100615	MW-501-040716-1430	MW-502_040215	MW-502_100615	MW-502-040716-1020
Sample Date		04/02/2015	10/06/2015	04/07/2016	04/02/2015	10/06/2015	04/07/2016
Sample Type		N	N	N	N	N	N
Sample Depth (bgs)		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** [A]	**71** [A]	**37 J-** [A]	**89 J** [A]	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** [A]	**990** [A]	**110 J-** [A]	**3500** [A]	**4700** [A]	**2200 J-** [A]
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** [A]	**96** [A]	**27** [A]	**270** [A]	**420** [A]	**190** [A]

TABLE II
COOPERVISION, INC.
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES
MID-GRADIENT WELLS

Location		MW-501			MW-502		
Sample ID	NYSDEC TOGS AMBIENT WATER Class GA	MW-501_040215	MW-501_100615	MW-501-040716-1430	MW-502_040215	MW-502_100615	MW-502-040716-1020
Sample Date		04/02/2015	10/06/2015	04/07/2016	04/02/2015	10/06/2015	04/07/2016
Sample Type		N	N	N	N	N	N
Sample Depth (bgs)		20 - 25 (ft)	20 - 25 (ft)	20 - 25 (ft)	30 - 35 (ft)	30 - 35 (ft)	30 - 35 (ft)
Other (mg/L)							
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)							
Other (ug/L)							
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)
Inorganic Compounds (mg/L)							
Nitrite (as N)		**0.011**			ND (0.01)		
Inorganic Compounds (ug/L)							
Iron, Dissolved	300		**2160** [A]	**1050** [A]		**6870** [A]	**3820** [A]
Iron, Total	300		**5760** [A]	**7900** [A]	**88400** [A]	**51700** [A]	**15500** [A]

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) J	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)	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 GA	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		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)
Other (mg/L)													
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)									
Other (ug/L)													
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)									
Inorganic Compounds (mg/L)													
Nitrite (as N)		**0.011**											
Inorganic Compounds (ug/L)													
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

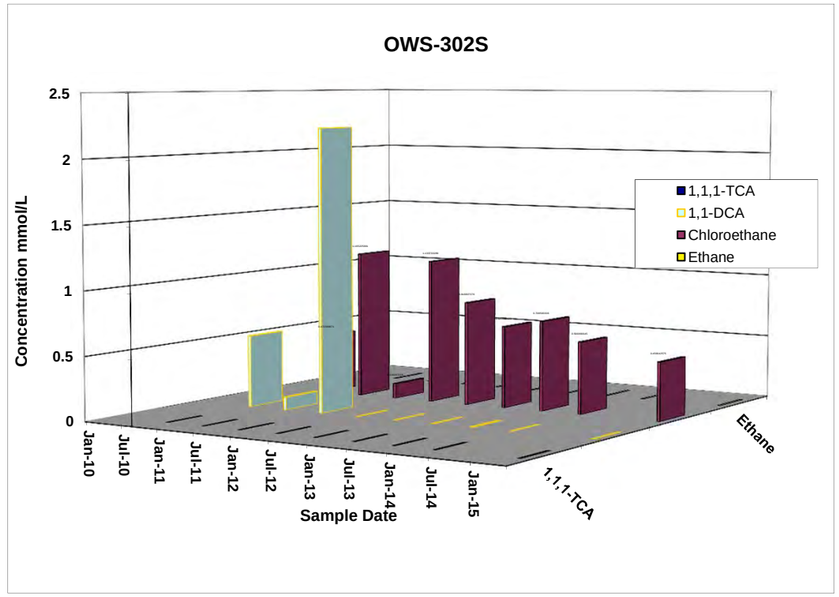
All values expressed in mg/L (ppm)

Sample ID:	OWS-302S										MW-205										
Well Screen Interval (ft):	13.0 - 14.0										21.2 - 28.0										
Date Sampled:	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
Compound:																					
VOLATILE ORGANICS	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.
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) pthalate	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: Insufficent 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 stochiometric 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.



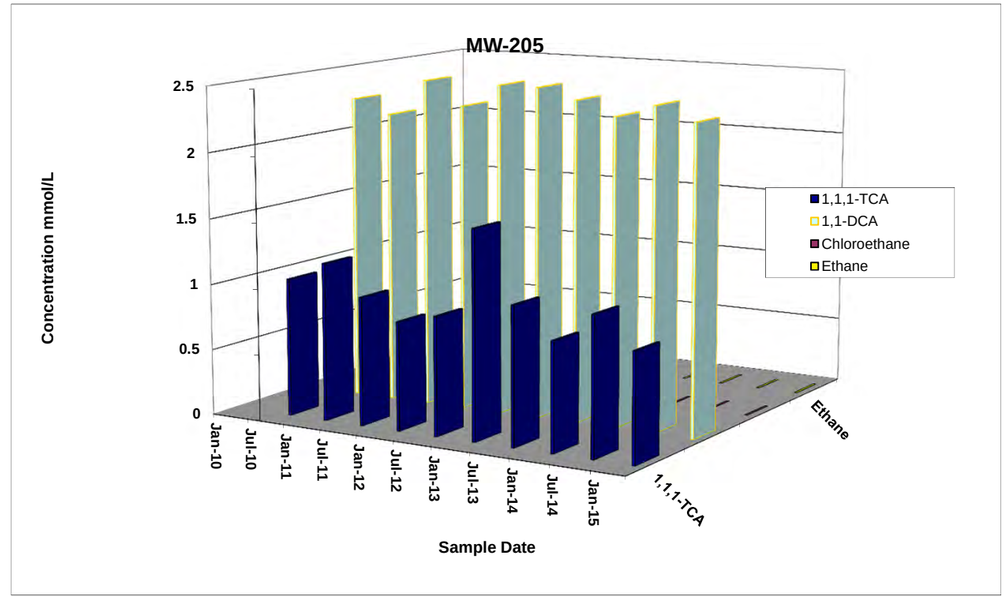


TABLE II
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
MID-GRADIENT WELLS

All values expressed in mg/l (ppm)

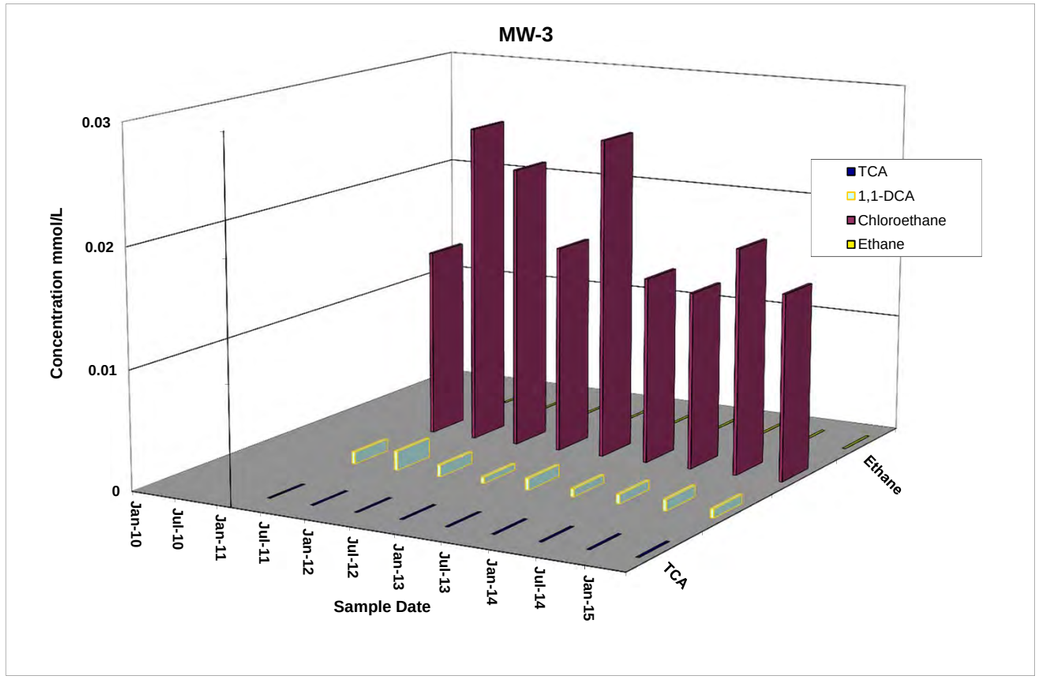
Sample ID:	**MW-3**											**MW-501**										
Well Screen Interval (ft):	3.0 - 10.0											20.0 - 25.0										
Date Sampled:	4/21/2010	10/19/2010	4/12/2011	10/14/2011	4/13/2012	10/19/2012	4/11/2013	10/3/2013	4/1/2014	10/13/2014	4/1/2015	4/21/2010	10/18/2010	4/13/2011	10/14/2011	4/13/2012	10/19/2012	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: Insufficent 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 stochiometric 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.



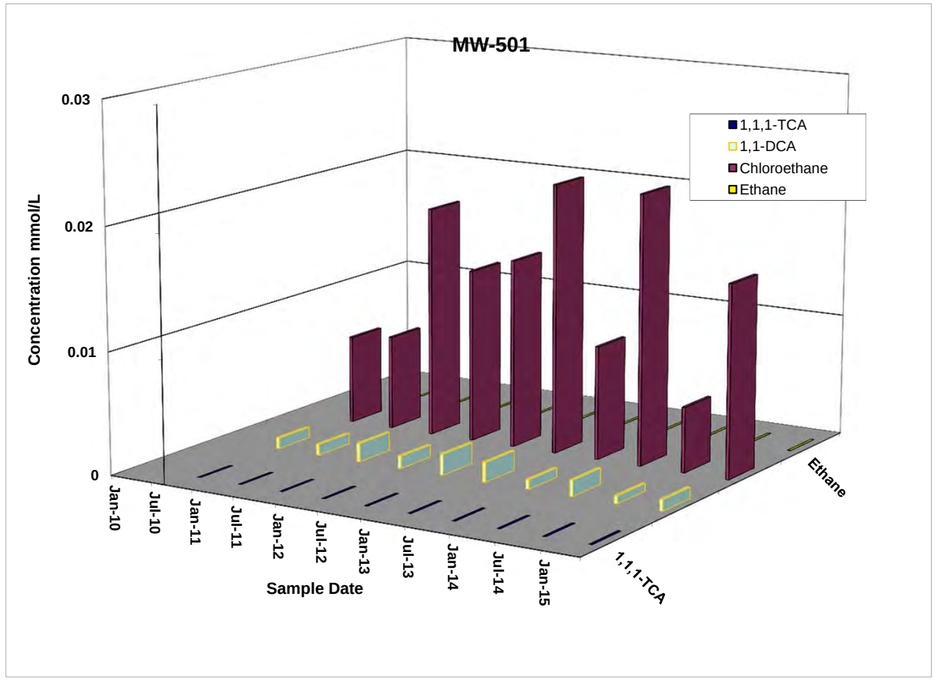


TABLE II
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
MID-GRADIENT WELLS

All values expressed in mg/l (ppm)

Sample ID:	**MW-502**											**BAP-01**			**BAP-02**		
Well Screen Interval (ft):	30.0 - 35.0											10.0 - 20.0			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	**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:
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DRY: Insufficent 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 stochiometric 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.

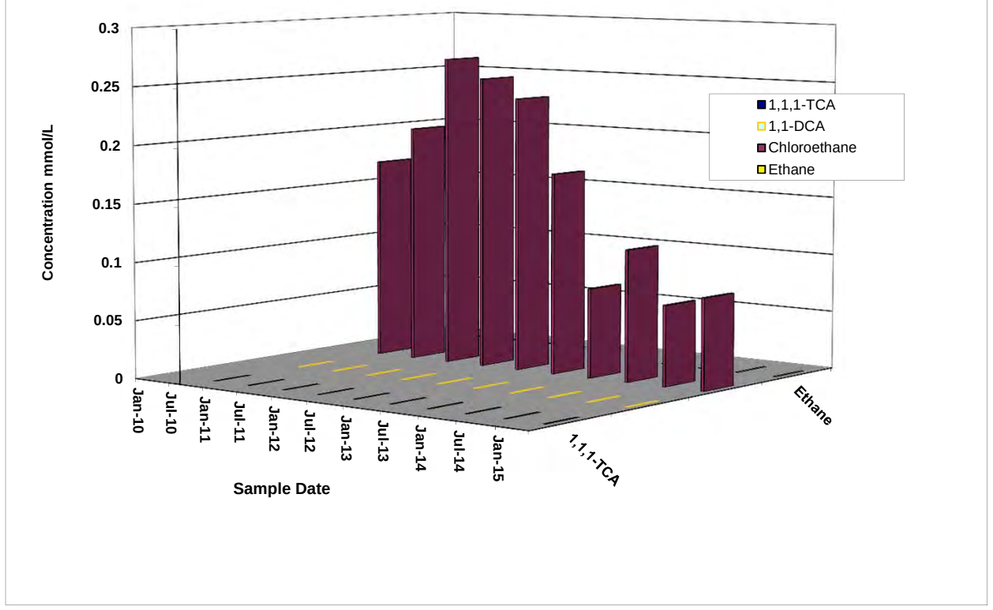


TABLE III
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
DOWN-GRADIENT WELLS

All values expressed in mg/l (ppm)

Sample ID:	**MW-202**											**MW-203**									
Well Screen Interval (ft):	10.1 - 20.3											9.8 - 20.0									
Date Sampled: / **Compound:**	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
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:
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NA: Not Analyzed
DRY: Insufficent 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:	**MW-204**											**OW-306**									
Well Screen Interval (ft):	9.8 - 20.0											4.0 - 14.0									
Date Sampled: / **Compound:**	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
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:
ND: Not Detected
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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 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 J

Mann-Kendall Analysis Results

HALEY ALDRICH

Mann-Kendall Analysis: Results
CooperVision, Inc.
Scottsville, New York
VCA V00157-8

	2005-2014		2006-2015		2007-2016		2008-2017		2009-2018	
	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	Decreasing	Decreasing
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	No Trend	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	Decreasing	No Trend	Decreasing	No Trend	Decreasing	No Trend	No Trend	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	Decreasing	Decreasing	Decreasing	Decreasing
1,1-DCA	No Trend	No Trend	Increasing	No Trend	No Trend	No Trend	Decreasing	No Trend	No Trend	No Trend
1,1-DCE	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Decreasing	Decreasing	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	Increasing	Decreasing	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
1,1-DCA	No Trend	No Trend	No Trend	Decreasing	No Trend	No Trend	No Trend	No Trend	No Trend	Decreasing
1,1-DCE	Increasing	No Trend	Increasing	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Decreasing

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 signficantly 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
32	3
S Value	-29
n	10
P Value	0.0046
Evaluation	**Decreasing**

Mann-Kendall Trend: Spring

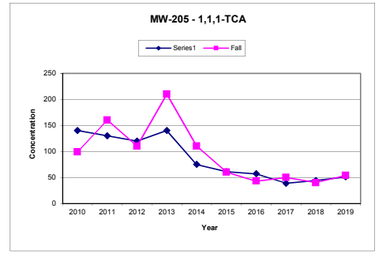
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	140	130	120	140	75	61	57	39	44	51.2
140		0	-10	-20	0	-65	-79	-83	-101	-96
130			0	-10	10	-55	-69	-73	-91	-86
120				0	20	-45	-59	-63	-81	-76
140					0	-65	-79	-83	-101	-96
75						0	-14	-18	-36	-31
61							0	-4	-22	-17
57								0	-18	-13
39									0	5
44										0
51.2										

S Value

Neg	Pos
34	10
S Value	-24
n	10
P Value	0.014
Evaluation	**Decreasing**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	99	160	110	210	110	60	43	50	40	54
99		61	11	111	11	-39	-56	-49	-59	-45
160			-50	50	-50	-100	-117	-110	-120	-106
110				100	0	-50	-67	-60	-70	-56
210					-100	-150	-167	-160	-170	-156
110						-50	-67	-60	-70	-56
60							-17	-10	-20	-6
43								7	-3	11
50									-10	4
40										14
54										



MW-3

S Value

Neg	Pos
31	7
S Value	-24
n	10
P Value	0.014
Evaluation	**Decreasing**

Mann-Kendall Trend: Spring

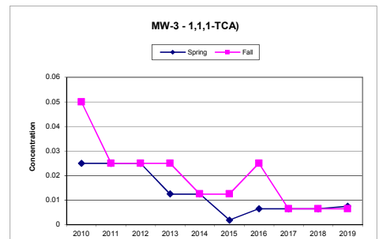
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.025	0.025	0.025	0.0125	0.0125	0.0019	0.0065	0.0065	0.0065	0.00752
0.025		0	0	-0.0125	-0.0125	-0.0231	-0.0185	-0.0185	-0.0185	-0.0175
0.025			0	-0.0125	-0.0125	-0.0231	-0.0185	-0.0185	-0.0185	-0.0175
0.025				-0.0125	-0.0125	-0.0231	-0.0185	-0.0185	-0.0185	-0.0175
0.0125					0	-0.0106	-0.006	-0.006	-0.006	-0.005
0.0125						-0.0106	-0.006	-0.006	-0.006	-0.005
0.0019							0.0046	0.0046	0.0046	0.00562
0.0065								0	0	0.00102
0.0065									0	0.00102
0.0065										0.00102
0.00752										

S Value

Neg	Pos
33	2
S Value	-31
n	10
P Value	0.0023
Evaluation	**Decreasing**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.05	0.025	0.025	0.025	0.0125	0.0125	0.025	0.01	0.0065	0.0065
0.05		-0.025	-0.025	-0.025	-0.0375	-0.0375	-0.025	-0.0435	-0.0435	-0.0435
0.025			0	0	-0.0125	-0.0125	0	-0.0185	-0.0185	-0.0185
0.025				0	-0.0125	-0.0125	0	-0.0185	-0.0185	-0.0185
0.025					-0.0125	-0.0125	0	-0.0185	-0.0185	-0.0185
0.0125						0	0.0125	-0.006	-0.006	-0.006
0.0125							0.0125	-0.006	-0.006	-0.006
0.025								-0.0185	-0.0185	-0.0185
0.0065									0	0
0.0065										0
0.0065										



MW-501

S Value

Neg	Pos
26	13
S Value	-13
n	10
P Value	0.146
Evaluation	**No Trend**

Mann-Kendall Trend: Spring

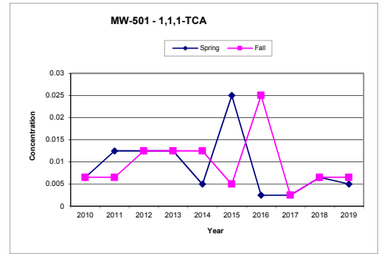
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.0065	0.0125	0.0125	0.0125	0.005	0.025	0.0025	0.0025	0.0065	0.005
0.0065		0.006	0.006	0.006	-0.0015	0.0185	-0.004	-0.004	0	-0.0015
0.0125			0	0	-0.0075	0.0125	-0.01	-0.01	-0.006	-0.0075
0.0125				0	-0.0075	0.0125	-0.01	-0.01	-0.006	-0.0075
0.0125					-0.0075	0.0125	-0.01	-0.01	-0.006	-0.0075
0.005						0.02	-0.0025	-0.0025	0.0015	0
0.025							-0.0225	-0.0225	-0.0185	-0.02
0.0025								0	0.004	0.0025
0.0025									0.004	0.0025
0.0065										-0.0015
0.005										

S Value

Neg	Pos
20	16
S Value	-4
n	10
P Value	0.364
Evaluation	**No Trend**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.0065	0.0065	0.0125	0.0125	0.0125	0.005	0.025	0.0025	0.0065	0.0065
0.0065		0	0.006	0.006	0.006	-0.0015	0.0185	-0.004	0	0
0.0065			0.006	0.006	0.006	-0.0015	0.0185	-0.004	0	0
0.0125				0	0	-0.0075	0.0125	-0.01	-0.006	-0.006
0.0125					0	-0.0075	0.0125	-0.01	-0.006	-0.006
0.0125						-0.0075	0.0125	-0.01	-0.006	-0.006
0.005							0.02	-0.0025	0.0015	0.0015
0.025								-0.0225	-0.0185	-0.0185
0.0025									0.004	0.004
0.0065										0
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
36	2
S Value	-34
n	10
P Value	0.00047
Evaluation	**Decreasing**

Mann-Kendall Trend: Spring

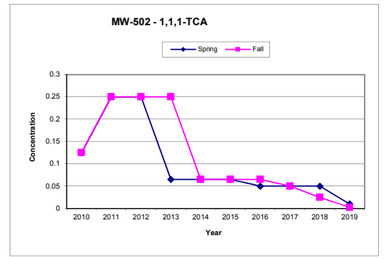
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.125	0.25	0.25	0.065	0.065	0.065	0.05	0.05	0.05	0.01
0.125		0.125	0.125	-0.06	-0.06	-0.06	-0.075	-0.075	-0.075	-0.115
0.25			0	-0.185	-0.185	-0.185	-0.2	-0.2	-0.2	-0.24
0.25				-0.185	-0.185	-0.185	-0.2	-0.2	-0.2	-0.24
0.065					0	0	-0.015	-0.015	-0.015	-0.055
0.065						0	-0.015	-0.015	-0.015	-0.055
0.065							-0.015	-0.015	-0.015	-0.055
0.05								0	0	-0.04
0.05									0	-0.04
0.05										-0.04
0.01										

S Value

Neg	Pos
36	3
S Value	-33
n	10
P Value	0.0011
Evaluation	**Decreasing**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.125	0.25	0.25	0.25	0.065	0.065	0.065	0.05	0.025	0.0025
0.125		0.125	0.125	0.125	-0.06	-0.06	-0.06	-0.075	-0.1	-0.1225
0.25			0	0	-0.185	-0.185	-0.185	-0.2	-0.225	-0.2475
0.25				0	-0.185	-0.185	-0.185	-0.2	-0.225	-0.2475
0.25					-0.185	-0.185	-0.185	-0.2	-0.225	-0.2475
0.065						0	0	-0.015	-0.04	-0.0625
0.065							0	-0.015	-0.04	-0.0625
0.065								-0.015	-0.04	-0.0625
0.05									-0.025	-0.0475
0.025										-0.0225
0.0025										



MW-202

S Value

Neg	Pos
14	3
S Value	-11
n	10
P Value	0.19
Evaluation	**No Trend**

Mann-Kendall Trend: Spring

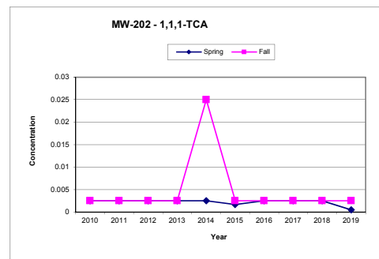
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.0025	0.0025	0.0025	0.0025	0.0025	0.0017	0.0025	0.0025	0.0025	0.0005
0.0025		0	0	0	0	-0.0008	0	0	0	-0.002
0.0025			0	0	0	-0.0008	0	0	0	-0.002
0.0025				0	0	-0.0008	0	0	0	-0.002
0.0025					0	-0.0008	0	0	0	-0.002
0.0025						-0.0008	0	0	0	-0.002
0.0017							0.0008	0.0008	0.0008	-0.0012
0.0025								0	0	-0.002
0.0025									0	-0.002
0.0025										-0.002
0.0005										

S Value

Neg	Pos
5	4
S Value	-1
n	10
P Value	0.5
Evaluation	**No Trend**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.0025	0.0025	0.0025	0.0025	0.025	0.0025	0.0025	0.0025	0.0025	0.0025
0.0025		0	0	0	0.0225	0	0	0	0	0
0.0025			0	0	0.0225	0	0	0	0	0
0.0025				0	0.0225	0	0	0	0	0
0.0025					0.0225	0	0	0	0	0
0.025						-0.0225	-0.0225	-0.0225	-0.0225	-0.0225
0.0025							0	0	0	0
0.0025								0	0	0
0.0025									0	0
0.0025										0
0.0025										



MW-204

S Value

Neg	Pos
24	11
S Value	-13
n	10
P Value	0.146
Evaluation	**No Trend**

Mann-Kendall Trend: Spring

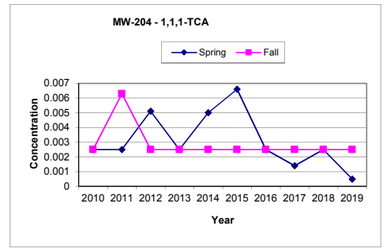
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.0025	0.0025	0.0051	0.0025	0.005	0.0066	0.0025	0.0014	0.0025	0.0005
0.0025		0	0.0026	0	0.0025	0.0041	0	-0.0011	0	-0.002
0.0025			0.0026	0	0.0025	0.0041	0	-0.0011	0	-0.002
0.0051				-0.0026	-0.0001	0.0015	-0.0026	-0.0037	-0.0026	-0.0046
0.0025					0.0025	0.0041	0	-0.0011	0	-0.002
0.005						0.0016	-0.0025	-0.0036	-0.0025	-0.0045
0.0066							-0.0041	-0.0052	-0.0041	-0.0061
0.0025								-0.0011	0	-0.002
0.0014									0.0011	-0.0009
0.0025										-0.002
0.0005										

S Value

Neg	Pos
8	1
S Value	-7
n	10
P Value	0.3
Evaluation	**No Trend**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.0025	0.0063	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
0.0025		0.0038	0	0	0	0	0	0	0	0
0.0063			-0.0038	-0.0038	-0.0038	-0.0038	-0.0038	-0.0038	-0.0038	-0.0038
0.0025				0	0	0	0	0	0	0
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
29	14
S Value	-15
n	10
P Value	0.108
Evaluation	**No Trend**

Mann-Kendall Trend: Spring

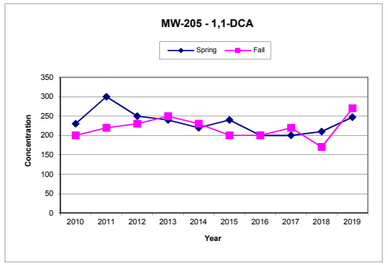
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	230	300	250	240	220	240	200	200	210	247
230		70	20	10	-10	10	-30	-30	-20	17
300			-50	-60	-80	-60	-100	-100	-90	-53
250				-10	-30	-10	-50	-50	-40	-3
240					-20	0	-40	-40	-30	7
220						20	-20	-20	-10	27
240							-40	-40	-30	7
200								0	10	47
200									10	47
210										37
247										

S Value

Neg	Pos
20	20
S Value	0
n	10
P Value	0.5
Evaluation	**No Trend**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	200	220	230	250	230	200	200	220	170	270
200		20	30	50	30	0	0	20	-30	70
220			10	30	10	-20	-20	0	-50	50
230				20	0	-30	-30	-10	-60	40
250					-20	-50	-50	-30	-80	20
230						-30	-30	-10	-60	40
200							0	20	-30	70
200								20	-30	70
220									-50	50
170										100
270										



MW-3

S Value

Neg	Pos
33	12
S Value	-21
n	10
P Value	0.036
Evaluation	**Decreasing**

Mann-Kendall Trend: Spring

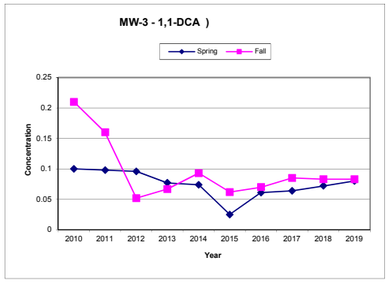
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.1	0.098	0.096	0.077	0.074	0.025	0.061	0.064	0.072	0.08
0.1		-0.002	-0.004	-0.023	-0.026	-0.075	-0.039	-0.036	-0.028	-0.02
0.098			-0.002	-0.021	-0.024	-0.073	-0.037	-0.034	-0.026	-0.018
0.096				-0.019	-0.022	-0.071	-0.035	-0.032	-0.024	-0.016
0.077					-0.003	-0.052	-0.016	-0.013	-0.005	0.003
0.074						-0.049	-0.013	-0.01	-0.002	0.006
0.025							0.036	0.039	0.047	0.055
0.061								0.003	0.011	0.019
0.064									0.008	0.016
0.072										0.008
0.08										

S Value

Neg	Pos
25	19
S Value	-6
n	10
P Value	0.3
Evaluation	**No Trend**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.21	0.16	0.052	0.067	0.093	0.062	0.07	0.085	0.083	0.083
0.21		-0.05	-0.158	-0.143	-0.117	-0.148	-0.14	-0.125	-0.127	-0.127
0.16			-0.108	-0.093	-0.067	-0.098	-0.09	-0.075	-0.077	-0.077
0.052				0.015	0.041	0.01	0.018	0.033	0.031	0.031
0.067					0.026	-0.005	0.003	0.018	0.016	0.016
0.093						-0.031	-0.023	-0.008	-0.01	-0.01
0.062							0.008	0.023	0.021	0.021
0.07								0.015	0.013	0.013
0.085									-0.002	-0.002
0.083										0
0.083										



MW-501

S Value

Neg	Pos
28	17
S Value	-11
n	10
P Value	0.19
Evaluation	**No Trend**

Mann-Kendall Trend: Spring

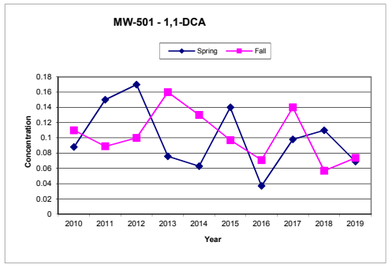
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.088	0.15	0.17	0.076	0.063	0.14	0.037	0.098	0.11	0.069
0.088		0.062	0.082	-0.012	-0.025	0.052	-0.051	0.01	0.022	-0.019
0.15			0.02	-0.074	-0.087	-0.01	-0.113	-0.052	-0.04	-0.081
0.17				-0.094	-0.107	-0.03	-0.133	-0.072	-0.06	-0.101
0.076					-0.013	0.064	-0.039	0.022	0.034	-0.007
0.063						0.077	-0.026	0.035	0.047	0.006
0.14							-0.103	-0.042	-0.03	-0.071
0.037								0.061	0.073	0.032
0.098									0.012	-0.029
0.11										-0.041
0.069										

S Value

Neg	Pos
29	16
S Value	-13
n	10
P Value	0.146
Evaluation	**No Trend**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.11	0.089	0.1	0.16	0.13	0.097	0.071	0.14	0.057	0.074
0.11		-0.021	-0.01	0.05	0.02	-0.013	-0.039	0.03	-0.053	-0.036
0.089			0.011	0.071	0.041	0.008	-0.018	0.051	-0.032	-0.015
0.1				0.06	0.03	-0.003	-0.029	0.04	-0.043	-0.026
0.16					-0.03	-0.063	-0.089	-0.02	-0.103	-0.086
0.13						-0.033	-0.059	0.01	-0.073	-0.056
0.097							-0.026	0.043	-0.04	-0.023
0.071								0.069	-0.014	0.003
0.14									-0.083	-0.066
0.057										0.017
0.074										



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
28	14
S Value	-14
n	10
P Value	0.108
Evaluation	**No Trend**

Mann-Kendall Trend: Spring

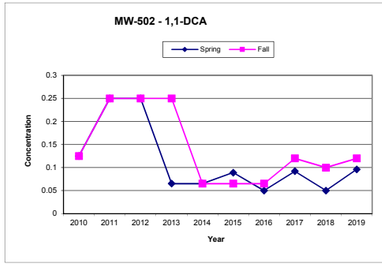
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.125	0.25	0.25	0.065	0.065	0.089	0.05	0.092	0.05	0.096
0.125		0.125	0.125	-0.06	-0.06	-0.036	-0.075	-0.033	-0.075	-0.029
0.25			0	-0.185	-0.185	-0.161	-0.2	-0.158	-0.2	-0.154
0.25				-0.185	-0.185	-0.161	-0.2	-0.158	-0.2	-0.154
0.065					0	0.024	-0.015	0.027	-0.015	0.031
0.065						0.024	-0.015	0.027	-0.015	0.031
0.089							-0.039	0.003	-0.039	0.007
0.05								0.042	0	0.046
0.092									-0.042	0.004
0.05										0.046
0.096										

S Value

Neg	Pos
25	13
S Value	-12
n	10
P Value	0.146
Evaluation	**No Trend**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.125	0.25	0.25	0.25	0.065	0.065	0.065	0.12	0.10	0.12
0.125		0.125	0.125	0.125	-0.06	-0.06	-0.06	-0.005	-0.025	-0.005
0.25			0	0	-0.185	-0.185	-0.185	-0.13	-0.15	-0.13
0.25				0	-0.185	-0.185	-0.185	-0.13	-0.15	-0.13
0.25					-0.185	-0.185	-0.185	-0.13	-0.15	-0.13
0.065						0	0	0.055	0.035	0.055
0.065							0	0.055	0.035	0.055
0.065								0.055	0.035	0.055
0.12									-0.02	0
0.1										0.02
0.12										



MW-202

S Value

Neg	Pos
4	41
S Value	43
n	10
P Value	0.0000028
Evaluation	**Increasing**

Mann-Kendall Trend: Spring

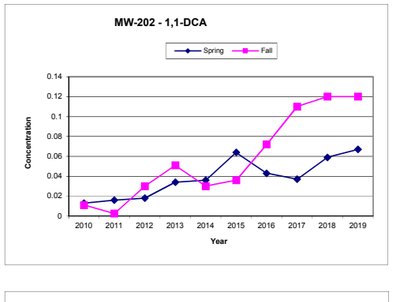
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.013	0.016	0.018	0.034	0.036	0.064	0.043	0.037	0.059	0.067
0.013		0.003	0.005	0.021	0.023	0.051	0.03	0.024	0.046	0.054
0.016			0.002	0.018	0.02	0.048	0.027	0.021	0.043	0.051
0.018				0.016	0.018	0.046	0.025	0.019	0.041	0.049
0.034					0.002	0.03	0.009	0.003	0.025	0.033
0.036						0.028	0.007	0.001	0.023	0.031
0.064							-0.021	-0.027	-0.005	0.003
0.043								-0.006	0.016	0.024
0.037									0.022	0.03
0.059										0.008
0.067										

S Value

Neg	Pos
3	40
S Value	37
n	10
P Value	0.00018
Evaluation	**Increasing**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.011	0.0025	0.03	0.051	0.03	0.036	0.072	0.11	0.12	0.12
0.011		-0.0085	0.019	0.04	0.019	0.025	0.061	0.099	0.109	0.109
0.0025			0.0275	0.0485	0.0275	0.0335	0.0695	0.1075	0.1175	0.1175
0.03				0.021	0	0.006	0.042	0.08	0.09	0.09
0.051					-0.021	-0.015	0.021	0.059	0.069	0.069
0.03						0.006	0.042	0.08	0.09	0.09
0.036							0.036	0.074	0.084	0.084
0.072								0.038	0.048	0.048
0.11									0.01	0.01
0.12										0
0.12										



MW-204

S Value

Neg	Pos
31	13
S Value	-18
n	10
P Value	0.054
Evaluation	**No Trend**

Mann-Kendall Trend: Spring

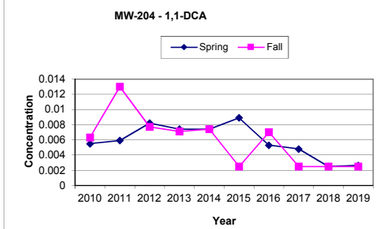
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.0055	0.0059	0.0082	0.0074	0.0074	0.0089	0.0053	0.0048	0.0025	0.00264
0.0055		0.0004	0.0027	0.0019	0.0019	0.0034	-0.0002	-0.0007	-0.003	-0.0029
0.0059			0.0023	0.0015	0.0015	0.003	-0.0006	-0.0011	-0.0034	-0.0033
0.0082				-0.0008	-0.0008	0.0007	-0.0029	-0.0034	-0.0057	-0.0056
0.0074					0	0.0015	-0.0021	-0.0026	-0.0049	-0.0048
0.0074						0.0015	-0.0021	-0.0026	-0.0049	-0.0048
0.0089							-0.0036	-0.0041	-0.0064	-0.0063
0.0053								-0.0005	-0.0028	-0.0027
0.0048									-0.0023	-0.0022
0.0025										0.00014
0.00264										

S Value

Neg	Pos
32	7
S Value	-25
n	10
P Value	0.014
Evaluation	**Decreasing**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.0063	0.013	0.0077	0.0071	0.0074	0.0025	0.007	0.0025	0.0025	0.0025
0.0063		0.0067	0.0014	0.0008	0.0011	-0.0038	0.0007	-0.0038	-0.0038	-0.0038
0.013			-0.0053	-0.0059	-0.0056	-0.0105	-0.006	-0.0105	-0.0105	-0.0105
0.0077				-0.0006	-0.0003	-0.0052	-0.0007	-0.0052	-0.0052	-0.0052
0.0071					0.0003	-0.0046	-0.0001	-0.0046	-0.0046	-0.0046
0.0074						-0.0049	-0.0004	-0.0049	-0.0049	-0.0049
0.0025							0.0045	0	0	0
0.007								-0.0045	-0.0045	-0.0045
0.0025									0	0
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

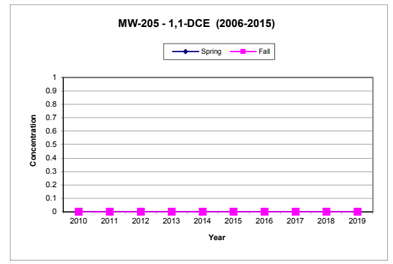
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0
					0	0	0	0	0	0
						0	0	0	0	0
							0	0	0	0
								0	0	0
									0	0
										0

S Value

Neg	Pos
0	0
S Value	0
n	10
P Value	0.5
Evaluation	**No Trend**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
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
										0



MW-3

S Value

Neg	Pos
36	0
S Value	-36
n	10
P Value	0.00018
Evaluation	**Decreasing**

Mann-Kendall Trend: Spring

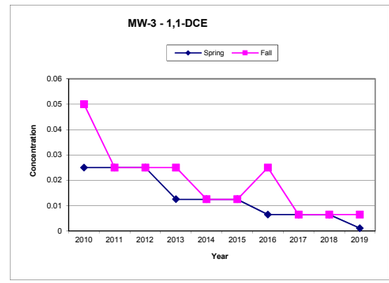
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.025	0.025	0.025	0.0125	0.0125	0.0125	0.0065	0.0065	0.0065	0.0011
0.025		0	0	-0.0125	-0.0125	-0.0125	-0.0185	-0.0185	-0.0185	-0.0239
0.025			0	-0.0125	-0.0125	-0.0125	-0.0185	-0.0185	-0.0185	-0.0239
0.025				-0.0125	-0.0125	-0.0125	-0.0185	-0.0185	-0.0185	-0.0239
0.0125					0	0	-0.006	-0.006	-0.006	-0.0114
0.0125						0	-0.006	-0.006	-0.006	-0.0114
0.0125							-0.006	-0.006	-0.006	-0.0114
0.0065								0	0	-0.0054
0.0065									0	-0.0054
0.0065										-0.0054
0.0011										

S Value

Neg	Pos
33	2
S Value	-31
n	10
P Value	0.0023
Evaluation	**Decreasing**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.05	0.025	0.025	0.025	0.0125	0.0125	0.025	0.0065	0.0065	0.0065
0.05		-0.025	-0.025	-0.025	-0.0375	-0.0375	-0.025	-0.0435	-0.0435	-0.0435
0.025			0	0	-0.0125	-0.0125	0	-0.0185	-0.0185	-0.0185
0.025				0	-0.0125	-0.0125	0	-0.0185	-0.0185	-0.0185
0.025					-0.0125	-0.0125	0	-0.0185	-0.0185	-0.0185
0.0125						0	0.0125	-0.006	-0.006	-0.006
0.0125							0.0125	-0.006	-0.006	-0.006
0.025								-0.0185	-0.0185	-0.0185
0.0065									0	0
0.0065										0
0.0065										



MW-501

S Value

Neg	Pos
23	17
S Value	-6
n	10
P Value	0.3
Evaluation	**No Trend**

Mann-Kendall Trend: Spring

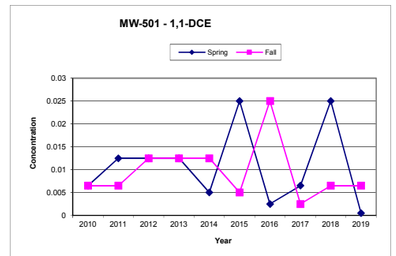
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.0065	0.0125	0.0125	0.0125	0.005	0.025	0.0025	0.0065	0.025	0.0005
0.0065		0.006	0.006	0.006	-0.0015	0.0185	-0.004	0	0.0185	-0.006
0.0125			0	0	-0.0075	0.0125	-0.01	-0.006	0.0125	-0.012
0.0125				0	-0.0075	0.0125	-0.01	-0.006	0.0125	-0.012
0.0125					-0.0075	0.0125	-0.01	-0.006	0.0125	-0.012
0.005						0.02	-0.0025	0.0015	0.02	-0.0045
0.025							-0.0225	-0.0185	0	-0.0245
0.0025								0.004	0.0225	-0.002
0.0065									0.0185	-0.006
0.025										-0.0245
0.0005										

S Value

Neg	Pos
20	16
S Value	-4
n	10
P Value	0.364
Evaluation	**No Trend**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.0065	0.0065	0.0125	0.0125	0.0125	0.005	0.025	0.0025	0.0065	0.0065
0.0065		0	0.006	0.006	0.006	-0.0015	0.0185	-0.004	0	0
0.0065			0.006	0.006	0.006	-0.0015	0.0185	-0.004	0	0
0.0125				0	0	-0.0075	0.0125	-0.01	-0.006	-0.006
0.0125					0	-0.0075	0.0125	-0.01	-0.006	-0.006
0.0125						-0.0075	0.0125	-0.01	-0.006	-0.006
0.005							0.02	-0.0025	0.0015	0.0015
0.025								-0.0225	-0.0185	-0.0185
0.0025									0.004	0.004
0.0065										0
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
36	2
S Value	-34
n	10
P Value	0.00047
Evaluation	**Decreasing**

Mann-Kendall Trend: Spring

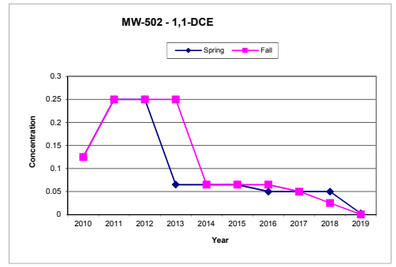
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.125	0.25	0.25	0.065	0.065	0.065	0.05	0.05	0.05	0.0025
0.125		0.125	0.125	-0.06	-0.06	-0.06	-0.075	-0.075	-0.075	-0.1225
0.25			0	-0.185	-0.185	-0.185	-0.2	-0.2	-0.2	-0.2475
0.25				-0.185	-0.185	-0.185	-0.2	-0.2	-0.2	-0.2475
0.065					0	0	-0.015	-0.015	-0.015	-0.0625
0.065						0	-0.015	-0.015	-0.015	-0.0625
0.065							-0.015	-0.015	-0.015	-0.0625
0.05								0	0	-0.0475
0.05									0	-0.0475
0.05										-0.0475
0.0025										

S Value

Neg	Pos
36	3
S Value	-33
n	10
P Value	0.0011
Evaluation	**Decreasing**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.125	0.25	0.25	0.25	0.065	0.065	0.065	0.05	0.025	0.0005
0.125		0.125	0.125	0.125	-0.06	-0.06	-0.06	-0.075	-0.1	-0.1245
0.25			0	0	-0.185	-0.185	-0.185	-0.2	-0.225	-0.2495
0.25				0	-0.185	-0.185	-0.185	-0.2	-0.225	-0.2495
0.25					-0.185	-0.185	-0.185	-0.2	-0.225	-0.2495
0.065						0	0	-0.015	-0.04	-0.0645
0.065							0	-0.015	-0.04	-0.0645
0.065								-0.015	-0.04	-0.0645
0.05									-0.025	-0.0495
0.025										-0.0245
0.0005										



MW-202

S Value

Neg	Pos
3	41
S Value	38
n	10
P Value	0.00012
Evaluation	**Increasing**

Mann-Kendall Trend: Spring

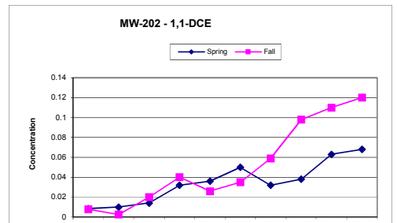
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.0085	0.01	0.014	0.032	0.036	0.05	0.032	0.038	0.063	0.068
0.0085		0.0015	0.0055	0.0235	0.0275	0.0415	0.0235	0.0295	0.0545	0.0595
0.01			0.004	0.022	0.026	0.04	0.022	0.028	0.053	0.058
0.014				0.018	0.022	0.036	0.018	0.024	0.049	0.054
0.032					0.004	0.018	0	0.006	0.031	0.036
0.036						0.014	-0.004	0.002	0.027	0.032
0.05							-0.018	-0.012	0.013	0.018
0.032								0.006	0.031	0.036
0.038									0.025	0.03
0.063										0.005
0.068										

S Value

Neg	Pos
3	42
S Value	39
n	10
P Value	0.000058
Evaluation	**Increasing**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.0078	0.0025	0.02	0.04	0.026	0.035	0.059	0.098	0.11	0.12
0.0078		-0.0053	0.0122	0.0322	0.0182	0.0272	0.0512	0.0902	0.1022	0.1122
0.0025			0.0175	0.0375	0.0235	0.0325	0.0565	0.0955	0.1075	0.1175
0.02				0.02	0.006	0.015	0.039	0.078	0.09	0.1
0.04					-0.014	-0.005	0.019	0.058	0.07	0.08
0.026						0.009	0.033	0.072	0.084	0.094
0.035							0.024	0.063	0.075	0.085
0.059								0.039	0.051	0.061
0.098									0.012	0.022
0.11										0.01
0.12										



MW-204

S Value

Neg	Pos
28	14
S Value	-14
n	10
P Value	0.108
Evaluation	**No Trend**

Mann-Kendall Trend: Spring

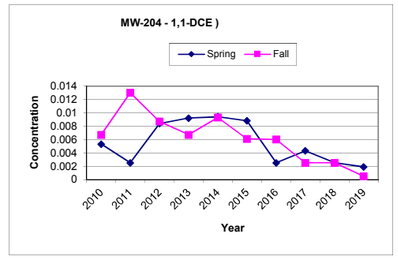
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Data	0.0053	0.0025	0.0084	0.0092	0.0094	0.0088	0.0025	0.0043	0.0025	0.0019
0.0053		-0.0028	0.0031	0.0039	0.0041	0.0035	-0.0028	-0.001	-0.0028	-0.0034
0.0025			0.0059	0.0067	0.0069	0.0063	0	0.0018	0	-0.0006
0.0084				0.0008	0.001	0.0004	-0.0059	-0.0041	-0.0059	-0.0065
0.0092					0.0002	-0.0004	-0.0067	-0.0049	-0.0067	-0.0073
0.0094						-0.0006	-0.0069	-0.0051	-0.0069	-0.0075
0.0088							-0.0063	-0.0045	-0.0063	-0.0069
0.0025								0.0018	0	-0.0006
0.0043									-0.0018	-0.0024
0.0025										-0.0006
0.0019										

S Value

Neg	Pos
38	5
S Value	-33
n	10
P Value	0.0011
Evaluation	**Decreasing**

Mann-Kendall Trend: Fall

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Data	0.0067	0.013	0.0087	0.0067	0.0093	0.0061	0.006	0.0025	0.0025	0.0005
0.0067		0.0063	0.002	0	0.0026	-0.0006	-0.0007	-0.0042	-0.0042	-0.0062
0.013			-0.0043	-0.0063	-0.0037	-0.0069	-0.007	-0.0105	-0.0105	-0.0125
0.0087				-0.002	0.0006	-0.0026	-0.0027	-0.0062	-0.0062	-0.0082
0.0067					0.0026	-0.0006	-0.0007	-0.0042	-0.0042	-0.0062
0.0093						-0.0032	-0.0033	-0.0068	-0.0068	-0.0088
0.0061							-0.0001	-0.0036	-0.0036	-0.0056
0.006								-0.0035	-0.0035	-0.0055
0.0025									0	-0.002
0.0025										-0.002
0.0005										



APPENDIX K

SSD System Maintenance and Monitoring Documentation

HALEY ALDRICH

Table V
Annual SSD System Monitoring

Location (Site/Faci **CooperVision**
Location (Address) **Scottsville, NY**
Client: **CooperVision**

Date: **26-Oct-18**
Performed By: **J Sanger**
Job Number: **129375-003**

Test Point	4/28/2017 Vacuum Reading ("WC)	10/12/2017 Vacuum Reading ("WC)	4/16/2018 Vacuum Reading (""WC)	10/24/2018 Vacuum Reading (""WC)
T-1	0.027	0.023	0.052	0.026
T-2	*	*	*	*
T-3	0.455	0.522	0.517	0.057
T-4	0.028	0.032	0.038	0.005
T-5	0.046	0.066	0.020	0.019
T-6	0.056	0.058	0.028	0.042
T-7 (doors closed)	+0.028	+0.020	0.002	0.000
T-7 (doors open)	+0.009	+0.011	0.000	0.000
T-8	0.013	0.032	0.038	0.002
T-9 (doors closed)	0.004	+0.071	+0.091	+0.085
T-9 (doors open)	0.023	0.019	0.018	0.018
T-10	0.074	0.069	0.070	0.068
T-11	0.758	0.722	0.743	0.640
T-12	0.020	0.023	0.019	0.038
T-13	0.008	0.011	0.007	0.006
T-14	0.005	0.007	0.005	0.005
T-15	0.034	0.041	0.034	0.035
T-16	0.022	0.024	0.026	0.024
T-17	0.016	0.022	0.015	0.018
T-18	0.162	0.110	0.015	0.027

Suction Point	4/28/2017 Vacuum Reading ("WC)	10/12/2017 Vacuum Reading ("WC)	4/16/2018 Vacuum Reading ("WC)	10/24/2018 Vacuum Reading ("WC)
S-1	3.8	3.8	3.8	3.8
S-2	3.7	3.8	3.8	2.8
S-3	1.5	1.5	1.5	1.2
S-4/5	2.1	2.1	2.1	2.3
S-6	4.0	4.0	3.8	3.8
S-7	1.7	1.7	1.8	1.7

*T-2 is not a valid test point

"+0.006 " indicates a positive vacuum reading

Visual Inspection of System:

Recommendation Actions:

Description of Past Year Activities:
Construction of New employee entrance affected T-3 through T-6 and S-2 and S-3.

Table V
Annual SSD System Monitoring

Location (Site/Facil **CooperVision**
Location (Address) **Scottsville, NY**
Client: **CooperVision**

Date: **4/24/2019 - 5/7/2019**
Performed By: **J Sanger**
Job Number: **129375-005**

Test Point	4/16/2018 Vacuum Reading (""WC)	10/24/2018 Vacuum Reading (""WC)	4/24/2019 Vacuum Reading (""WC)	5/07/2019 Vacuum Reading (""WC)
T-1	0.052	0.026	0.000	0.002
T-2	*	*	*	*
T-3	0.517	0.057	0.073	-
T-4	0.038	0.005	0.008	-
T-5	0.020	0.019	0.019	-
T-6	0.028	0.042	0.050	-
T-7 (doors closed)	0.002	0.000	0.002	-
T-7 (doors open)	0.000	0.000	0.003	-
T-8	0.038	0.002	0.006	0.008
T-9 (doors closed)	+0.091	+0.085	*	*
T-9 (doors open)	0.018	0.018	0.013	-
T-10	0.070	0.068	0.070	-
T-11	0.743	0.640	0.891	-
T-12	0.019	0.038	0.008	0.007
T-13	0.007	0.006	0.005	-
T-14	0.005	0.005	0.006	-
T-15	0.034	0.035	0.035	-
T-16	0.026	0.024	0.023	-
T-17	0.015	0.018	0.020	-
T-18	0.015	0.027	0.016	0.020

PID VOC Readings(ppm)

Suction Point	4/16/2018 Vacuum Reading ("WC)	10/24/2018 Vacuum Reading ("WC)	4/24/2019 Vacuum Reading ("WC)	5/07/2019 Vacuum Reading ("WC)
S-1	3.8	3.8	0.0	3.8
S-2	3.8	2.8	2.8	-
S-3	1.5	1.2	1.2	-
S-4/5	2.1	2.3	2.1	-
S-6	3.8	3.8	3.7	-
S-7	1.8	1.7	1.6	-

*T-2 is not a valid test point

"+0.006 " indicates a positive vacuum reading

Visual Inspection of System:
Active Construction near T-8 and T-9
4/24/2019 - S-1 was not operating. Low vacuum at T-1 and T-18

Recommendation Actions:
S-1 replaced on 4/26/2019

Description of Past Year Activities:
Construction of New employee entrance in 2018 affected T-3 through T-6 and S-2 and S-3. Construction in buidling interior in 2019 affected T-8 and T-

Location (Site/Facility Name): **CooperVision**

Location (Address): **Scottsville, NY**

Client: **CooperVision**

Date: **24-Apr-19**

Performed **J.Sanger**

Suction Point	4/18/2018 PID* Reading (ppm) with vac box and tedlar bag	4/24/2019 PID* Reading (ppm)
S-1	0.00	0.40
S-2	0.00	0.30
S-3	0.00	0.40
S-4/5	0.00	1.80
S-6	0.00	0.20
S-7	0.00	0.30

* RAE MiniRAE 3000 PID, 11.7eV Lamp

HALEY ALDRICH

CooperVision	TITLE: Monthly SSD System Monitoring	FORM NUMBER:	FM00916
	REFERENCE SOP: SOP142-30	REVISION NUMBER:	5

Location (Site / Facility Name): CooperVision, Inc.
Location (Address): Scottsville, New York
Client: CooperVision, Inc.

		Vacuum Reading (in. w.c.)							
Date	Initials	S-1 Caledonia	S-2 ~~Honeoye Falls~~ Employee Service	S-3 ~~Hilton~~ Cafeteria	S-4/5 Palmyra	S-6 Mendon	S-7 Brockport	Visual Inspection	Comments / Remarks
4/26/2019	DWP	0	2.7	1.2	2.2	3.7	1.6	YES	S-1 Caledonia requires a new fan motor.
			N/A	4-26-19					S-2 Honeoye Falls is now the Employee Service area.
									S-3 Hilton is now the Cafeteria.

NCR160257 created to capture S-1 Caledonia fan motor replacement.

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

CooperVision	TITLE: Monthly SSD System Monitoring	FORM NUMBER:	FM00916
	REFERENCE SOP: SOP142-30	REVISION NUMBER:	5

Location (Site / Facility Name): CooperVision, Inc.
Location (Address): Scottsville, New York
Client: CooperVision, Inc.

		Vacuum Reading (in. w.c.)							
Date	Initials	S-1 Caledonia	S-2 Honeoye Falls	S-3 Hilton	S-4/5 Palmyra	S-6 Mendon	S-7 Brockport	Visual Inspection	Comments / Remarks
4-1-19	DvP	3.8	2.8	1.2	2.2	3.7	1.6	YES	Honeoye Falls is now the Employee Service area (S-2)
				N/A					Hilton is now the cafeteria (S-3)
									N/A

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

CooperVision	TITLE: Monthly SSD System Monitoring	FORM NUMBER:	FM00916
	REFERENCE SOP: SOP142-30	REVISION NUMBER:	5

Location (Site / Facility Name): CooperVision, Inc.
Location (Address): Scottsville, New York
Client: CooperVision, Inc.

		Vacuum Reading (in. w.c.)							
Date	Initials	S-1 Caledonia	S-2 ~~Honeoye Falls~~ Employee Service area	S-3 ~~Hilton~~ Cafeteria	S-4/5 Palmyra	S-6 Mendon	S-7 Brockport	Visual Inspection	Comments / Remarks
3-7-19	DwP	3.8	2.8	1.2	2.3	3.7	1.6	DwP Yes	Honeoye Falls is now
									Employee Service area
N/A				N/A					N/A
									Hilton is now called
									Cafeteria
									N/A

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

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.

		Vacuum Reading (in. w.c.)							
Date	Initials	S-1 Rochester	S-2 Honeoye Falls	S-3 Hilton	S-4/5 Palmyra	S-6 Spencerport	S-7 Brockport	Visual Inspection	Comments / Remarks
2-5-19	DWP.	3.7	N/A	N/A	2.2	3.7	1.6	YES	Honeoye Falls S-2 and Hilton S-3 are gone due to Demo
			N/A						N/A

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

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.

		Vacuum Reading (in. w.c.)							
Date	Initials	S-1 Rochester	S-2 Honeoye Falls	S-3 Hilton	S-4/5 Palmyra	S-6 Spencerport	S-7 Brockport	Visual Inspection	Comments / Remarks
1-7-19	DWP	3.8	N/A	N/A	2.2	3.8	1.6	YES	S-2 gone Due to Demo (Honeoye Falls)
									S-3 Hilton gone Due to Demo

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

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.

		Vacuum Reading (in. w.c.)							
Date	Initials	S-1 Rochester	S-2 Honeoye Falls	S-3 Hilton	S-4/5 Palmyra	S-6 Spencerport	S-7 Brockport	Visual Inspection	Comments / Remarks
12-12-18	DWP	3.8	GONE	GONE	2.2	3.7	1.6	YES	Honeoye Fall is gone due to Demo
									Hilton is gone Due to Demo

Notes:
Document monthly readings
Email results yearly to contacts
Readings are in inches of water column (in.w.c.)

Contacts:
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Location (Site / Facility Name): CooperVision, Inc.
Location (Address): Scottsville, New York
Client: CooperVision, Inc.

		Vacuum Reading (in. w.c.)							
Date	Initials	S-1 Rochester	S-2 Honeoye Falls	S-3 Hilton	S-4/5 Palmyra	S-6 Spencerport	S-7 Brockport	Visual Inspection	Comments / Remarks
11-13-18	DWP	3.8	N/A	N/A	2.2	3.7	1.6	YES	S-2 Honeoye Falls is gone Due to Demo
									S-3 Hilton is gone Due to Demo

11-13-18

Notes:
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Location (Address): Scottsville, New York
Client: CooperVision, Inc.

		Vacuum Reading (in. w.c.)							
Date	Initials	S-1 Rochester	S-2 Honeoye Falls	S-3 Hilton	S-4/5 Palmyra	S-6 Spencerport	S-7 Brockport	Visual Inspection	Comments / Remarks
10-19-18	DWP	3.8	GONE	GONE	2.2	3.7	1.7	YES	S-2 Honeoye Falls gone
									Due to Demo
									S-3 Hilton gone
									Due to Demo

10-19-18

Notes:
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Location (Site / Facility Name): CooperVision, Inc.
Location (Address): Scottsville, New York
Client: CooperVision, Inc.

		Vacuum Reading (in. w.c.)							
Date	Initials	S-1 Rochester	S-2 Honeoye Falls	S-3 Hilton	S-4/5 Palmyra	S-6 Spencerport	S-7 Brockport	Visual Inspection	Comments / Remarks
9-24-18	DWP	3.8	N/A	N/A	2.2	3.7	1.6	YES	Honeoye Fall and Hilton Ports are gone Due to Demo

Notes:
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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.

		Vacuum Reading (in. w.c.)							
Date	Initials	S-1 Rochester	S-2 Honeoye Falls	S-3 Hilton	S-4/5 Palmyra	S-6 Spencerport	S-7 Brockport	Visual Inspection	Comments / Remarks
8-29-18	DWP	3.7	GONE	GONE	2.2	3.7	1.6	YES	Honeoye Falls and Hilton Ports are gone Due to new construction

8-29-18

Notes:
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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.

		Vacuum Reading (in. w.c.)							
Date	Initials	S-1 Rochester	S-2 Honeoye Falls	S-3 Hilton	S-4/5 Palmyra	S-6 Spencerport	S-7 Brockport	Visual Inspection	Comments / Remarks
8-1-18	DWP	3.8	N/A	N/A	2.2	3.7	1.7	YES	Honeoye Falls
									And Hilton
									have been Demo
									We no longer
									have them

Notes:
Document monthly readings
Email results yearly to contacts
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	REFERENCE SOP: SOP142-30	REVISION NUMBER: 4

Location (Site / Facility Name): CooperVision, Inc.
Location (Address): Scottsville, New York
Client: CooperVision, Inc.

		Vacuum Reading (in. w.c.)							
		S-1	S-2	S-3	S-4/5	S-6	S-7		
Date	Initials	Rochester	Honeoye Falls	Hilton	Palmyra	Spencerport	Brockport	Visual Inspection	Comments / Remarks
7-2-18	KA	3.8	under construction	under construction	2.2	3.7	1.6	OK	

Notes:
Document monthly readings
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CooperVision	TITLE: Monthly SSD System Monitoring	FORM NUMBER:	FM00916
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Location (Site / Facility Name): CooperVision, Inc.
Location (Address): Scottsville, New York
Client: CooperVision, Inc.

		Vacuum Reading (in. w.c.)							
Date	Initials	S-1 Rochester	S-2 Honeoye Falls	S-3 Hilton	S-4/5 Palmyra	S-6 Spencerport	S-7 Brockport	Visual Inspection	Comments / Remarks
6-3-18	DWP	3.8	3.8	N/A	2.2	3.8	1.7	YES	Removed Hilton From construction

Notes:
Document monthly readings
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Location (Site / Facility Name): CooperVision, Inc.
Location (Address): Scottsville, New York
Client: CooperVision, Inc.

		Vacuum Reading (in. w.c.)							
Date	Initials	S-1 Rochester	S-2 Honeoye Falls	S-3 Hilton	S-4/5 Palmyra	S-6 Spencerport	S-7 Brockport	Visual Inspection	Comments / Remarks
5-4-18	DWP	3.8	3.7	1.6	2.2	3.8	1.7	YES	All Good

Notes:
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