Former ALCO Site

CITY OF SCHENECTADY, SCHENECTADY COUNTY, NEW YORK

Parcel A
2019 Periodic Review Report

NYSDEC Site Number: C447042

Prepared for:

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Table of Contents

Section		Page
1.0	EXECUTIVE SUMMARY	1
2.0	SITE OVERVIEW	5
3.0	REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS	8
4.0	IC/EC PLAN COMPLIANCE	9
4.1	Engineering and Institutional Control Certification	10
5.0	MONITORING PLAN COMPLIANCE REPORT	11
5.1	Groundwater Monitoring Report	11
5.2	Cover System Summary	15
5.3	SVI Results	15
5.4	Riverbank Spill - 1604483	16
6.0	OPERATION & MAINTENANCE	17
7.0	CONCLUSIONS	18

Tables

Table 1	Post-Remediation Sampling Requirements and Schedule	7
Table 2	IC/EC Descriptions	9
Table 3	Monitoring/Inspections Schedule	11
Tables 4-7	Monitoring Well Water Quality Summaries	11-14

Figures

Figure 1	Site Location Map
Figure 2	Site Plan

Attachments

Attachment A	NYSDEC Approved Certification Form
Attachment B	Groundwater VOC Exceedance Graphs
Attachment C	2018 Monitoring Data
Attachment D	Site Annual Inspection Form
Attachment E	Cover System Photos
Attachment F	Cover Map
Attachment G	SVI Assessment Results
Attachment H	Spill 1604483 Reports

1.0 EXECUTIVE SUMMARY

Maxon ALCO Holdings, LLC (MAH) entered into Brownfield Cleanup Agreements (BCA) through the New York State Department of Environmental Conservation's (NYSDEC) Brownfield Cleanup Program (BCP) for the property located at 301 Nott Street in Schenectady, New York, identified as the ALCO Site (Property or Site) and historically known as the Nott Street Industrial Park (Park). In 2010, after purchasing the property, the Volunteer (Maxon-ALCO Holdings) divided the Property into three parcels: Parcel A, Parcel B and Parcel C (Site Nos. C447042, C447043, and C447044, see Figure 1) and each Parcel was deemed eligible for the BCP and subject to separate BCAs.

The site location is included as Figure 1.

Subsequently, a remedial investigation (RI) was performed to:

- Characterize site conditions;
- Determine the nature of the contamination; and
- Assess risk to human health and the environment.

The RI data identified contaminants of concern (COCs). A "contaminant of concern" is a contaminant that is sufficiently present in frequency and concentration in the environment to require evaluation for remedial action. Not all contaminants identified on the property are contaminants of concern. The nature and extent of contamination and environmental media requiring action are summarized below. Additionally, the RI Report contains a full discussion of the data. The contaminant(s) of concern identified at this site are:

- trans-1,2-Dichloroethene
- trichloroethene (TCE)
- cis-1,2-Dichloroethene
- tetrachloroethene (PCE)
- Vinyl Chloride
- Polycyclic Aromatic Hydrocarbons (PAHs),

The contaminant(s) of concern exceed the applicable SCGs for:

- Groundwater
- Soil
- Soil vapor intrusion

Soil samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), inorganics, and pesticides/PCBs. Several Polycyclic Aromatic Hydrocarbons (PAHs), (which are present in coal and coal ash), have been measured in surface soil up to 239 parts per million (ppm)

which is above the unrestricted use soil cleanup objectives (SCOs). The chlorinated solvent tetrachloroethene (PCE) was measured in sub-surface soil ranging from 9.6 ppm to 627 ppm. There were no pesticides/PCBs detected above unrestricted use SCOs. Arsenic was found above the unrestricted use SCOs in one sample. Site-related soil contamination is not expected to extend off-site based on the available data.

Groundwater samples were analyzed for VOCs, SVOCs, inorganics, and pesticides/PCBs. Groundwater at ALCO-Maxon Site Parcel C is impacted by chlorinated solvents (PCE, TCE, cis-1,2-dichloroethene, trans-1,2-dichloroethene and vinyl chloride). The chlorinated solvent impact originates from an area on ALCO-Maxon Site Parcel C. Chlorinated solvents have been measured in groundwater ranging from 10 to 2,027 parts per billion. Exceedance of groundwater standards were also observed for a limited number of PAHs in one monitoring well.

Parcel A RI Findings

- NAPL was detected in two of the three monitoring wells installed around MW-45; NAPL thicknesses varied from roughly one inch in MW-47 to roughly one foot in MW-48.
- Concentrations of chlorinated VOCs in Parcel A monitoring wells sampled ranged from 136 µg/L to 3082 µg/L.

Site-Wide Groundwater Quality

- Monitoring wells installed on Parcels A, B and C provided further delineation of the chlorinated solvent detection, which is detectable across the three parcels along the established groundwater flow gradient.
- The source area for the chlorinated solvent detection was identified and delineated in an area of Parcel C around soil vapor point SV-C9.

Remedial Action Objectives

After completion of the remedial work, residual contamination was left at this site, which is hereafter referred to as "remaining contamination". Institutional and Engineering Controls (ICs and ECs) have been incorporated into the site remedy to control exposure to remaining contamination to ensure protection of public health and the environment. An Environmental Easement granted to the NYSDEC, and recorded with the Schenectady County Clerk, requires compliance with the ECs and ICs placed on the site. Each Parcel was issued a separate Decision Document by NYSDEC. The Remedial Action Objectives (RAOs) for Parcel A are as follows:

Parcel A (Decision Document, August 2014)

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Remove the source of ground or surface water contamination.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

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

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

The final remedial measures for the site must satisfy Remedial Action Objectives (RAOs), which are site-specific statements that convey the goals for minimizing or eliminating substantial risks to public health and the environment.

The remedies were installed in accordance with the November 2016 Final Engineering Report and have been operated continuously in accordance with the July 2016 Site Management Plan.

A summary of the 2018-2019 tasks outlined above is provided herein.

- Quarterly groundwater monitoring

- Soil vapor intrusion assessments of the Rivers Casino/Landings Hotel
- Inspection and reporting of open riverbank spill, identified as: 1604483

Both Parcels A and B received Certificate of Completion (COC) status in December 2016. Since the COC, the site has been operated under the SMP (see Section 2). Monitoring activities outlined in the SMP have been fulfilled during this reporting period.

2.0 SITE OVERVIEW

The site is located at 301 Nott Street, Schenectady, New York. The site consists of three adjacent parcels (see Figure 2):

- Parcel A is approximately 20.31 acres and was part of the former American Locomotive Company property located at 301 Nott Street, Schenectady, NY 12306. Parcel A has the Mohawk River as its northern border and is adjacent to Parcel B (C447043).
- Parcel B is approximately 31.43 acres and was part of the former American Locomotive Company property located at 301 Nott Street in Schenectady. This Parcel lies between Parcel A (C447042), that is adjacent to the Mohawk River, and Parcel C (C447044), which is adjacent to Front Street and Erie Boulevard.
- Parcel C is approximately 5.45 acres and was part of the former American Locomotive Company property located at 301 Nott Street in Schenectady. Parcel C is made up of two parcels. The larger area is adjacent to Parcel B (C447043) and the second area is across Erie Boulevard and includes the former Erie Boulevard Power substation.

See Figure 2, Site Plan, for a breakdown of the parcel locations.

The site was remediated in accordance with the NYSDEC's August 2014 Decision Document, including:

1. Implementation of a remedial design program to provide details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Included was the implementation of green remediation principles and techniques where feasible in the design, implementation, and site management of the remedy as per DER-31.
2. Two areas of on-site soil with significant levels of arsenic, lead and mercury (Soil Hot Spots) contamination was removed and disposed of to a depth of two feet. Clean fill meeting the requirements of 6NYCRR Part 375-6.7(d) was to be utilized to backfill the excavation and establish the designated grades at the site.
3. A site soil cover was required to allow for restricted residential use of the site. The soil cover selected consisted of either structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where the soil cover is required it is a minimum of two feet of soil, meeting the SCO's for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted residential use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).

4. Imposition of an institutional control in the form of an environmental easement for controlled property that:

   - Requires the remedial party or site to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8(h)(3);
   - Allows the use and development of the controlled property for restricted residential, commercial and industrial uses as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
   - Restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and
   - Requires compliance with the Department approved Site Management Plan.

5. Development and implementation of a Site Management Plan (SMP) for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls (2) monitoring, (3) operation and maintenance and (4) reporting. The Site Management Plan for Parcel A outlined the following items for reporting in the PRR:

   - Identification, assessment and certification of ECs/ICs required by the remedy for the site.
   - Results of the required annual site inspections and severe condition inspections, if applicable.
   - Applicable site management forms and other records generated for the site during the reporting period in the NYSDEC-approved electronic format, if not previously submitted.
   - A summary of any discharge monitoring data and/or information generated during the reporting period, with comments and conclusions.
   - Data summary tables and graphical representations of contaminants of concern by media (groundwater, soil vapor, etc.), which include a listing of the compounds analyzed, along with the applicable standards, with exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends.
   - Results of analyses, copies of laboratory data sheets, and the required laboratory data deliverables for samples collected during the reporting period will be submitted in digital format as determined by the NYSDEC. Currently, data is supplied electronically and submitted to the NYSDEC EQuIS™ database.
   - A site evaluation, which includes the following:
     - The compliance of the remedy with the requirements of the site-specific RAWP, ROD or Decision Document;

- The operation and the effectiveness of treatment units, etc., including identification of any needed repairs or modifications;
- Any new conclusions or observations regarding site contamination based on inspections or data generated by the Monitoring and Sampling Plan for the media being monitored;
- Recommendations regarding any necessary changes to the remedy and/or Monitoring and Sampling Plan; and
- Trends in contaminant levels in the affected media will be evaluated to determine if the remedy continues to be effective in achieving remedial goals as specified by the Decision Document.
- The overall performance and effectiveness of the remedy.

Table 1. Post-Remediation Sampling Requirements and Schedule

Sampling Location	Analysis	*Schedule
Soil Cover System	Visual Inspection	Annually
Groundwater Monitoring Wells		Quarterly
Soil Vapor Intrusion Sampling		Annually

*The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH. Discontinuance of such activity will be by permission of the NYSDEC and NYSDOH.

Since the COC, the site has been operated under the SMP. Monitoring activities outlined in the SMP have been fulfilled during this reporting period.

3.0 REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

The implementation of the selected remedies has been successful and the remedial system continues to operate effectively to protect the public.

- The soil cover system prevents direct contact with remaining on site contaminants.
- The property has an environmental easement restricting land and groundwater use at the site. The easement was filed on October 14, 2016 with the Schenectady County Clerk.
- Periodic monitoring indicates that the in situ oxidant injections completed on Parcel C to treat the chlorinated solvent plume have reduced the concentrations of indicator and volatile organic constituents in the groundwater on Parcel A.
- As per the SMP, the Rivers Casino and Landings Hotel structures have been assessed for soil vapor intrusion (SVI). The building's HVAC system should maintain positive pressure, preventing any potential for vapors, if any, from migrating up through the subslab. During the 2017 monitoring event, the Rivers Casino portion was verified to be under positive pressure. However, during the 2018 monitoring event, which included assessment of the Landings Hotel, the River Casino portion was found to not consistently be under positive pressure. This was rectified in the 2019 monitoring event after adjustment of the HVAC system following the 2018 results, which proved both the Rivers Casino and Landings Hotel are under positive pressure and no corrective action is necessary.

The results of the groundwater monitoring described in Section 5.1 below demonstrates substantial progress towards the remedial objective of restoration of groundwater quality through natural attenuation. With ongoing maintenance of the integrity of the soil cover system, continued improvement in water quality is expected to occur over time.

4.0 IC/EC PLAN COMPLIANCE

Table 2 summarizes each Institutional and Engineering Control.

Table 2. IC/EC Descriptions

Engineering Control	Description	Objective	Status
Institutional Controls:	• The property may be used for: restricted residential use; • ECs must be operated and maintained as specified in this SMP; • ECs must be inspected at a frequency and in a manner defined in the SMP. • The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department. • Groundwater and other environmental or public health monitoring must be performed. • Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP. • Future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP; • Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; • Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP; • Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement. • The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2, and any impacts that are identified must be monitored or mitigated; • Vegetable gardens and farming on the site are prohibited; • Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer Development of a Flood Hazard Mitigation Plan to comply with Chapter157 –Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B.	• Implement, maintain and monitor Engineering Control systems; • Prevent future exposure to remaining contamination; and, • Limit the use and development of the site to restricted residential uses only.	Operational
Engineering Controls:	Cover system	Meet the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted residential use.	Operational

4.1 Engineering and Institutional Control Certification

Scott D. Nostrand, P.E., of Barton & Loguidice, Inc. certifies, on the basis of on-site observation and documentation as presented herein, that the Engineering and Institutional Control activities completed during this reporting period at the former ALCO site located at 301 Nott Street were completed in substantial compliance with the approved Parcel A Site Management Plan dated November 2016. The NYSDEC approved certification forms are included in Attachment A.

5.0 MONITORING PLAN COMPLIANCE REPORT

Monitoring of the performance of the remedy has been conducted in accordance with the Site Management Plan and the following Table 3.

Table 3. Monitoring/Inspections Schedule

Program	Frequency	Matrix	Analysis
Groundwater Monitoring Wells: MW-62, MW-65, MW-64D, MW-64S	Quarterly	Groundwater	VOCs, PFOS/AS
Harbor Sediment Sampling	Annual	Sediment	VOCs
Harbor Surface Water Sampling	Annual	Surface Water	VOCs
Soil Cover System	Annual	--	Visual Inspection
Soil Vapor Intrusion Sampling	Annual	Sub-slab vapors	TO-15 Analytes
Periodic Review Report	Annual	--	--

5.1 Groundwater and Harbor Monitoring Results

The groundwater monitoring results are provided in Tables 4-7. The first quarter round of groundwater sampling for 2019 was concluded on March 15, 2019 and results will be forwarded under separate cover.

Table 4. Historic Residual VOC Water Quality Data - MW-62*Bolded numbers represent detects.

Parameter (µg/l)	*1,1-Dichloroethene	*cis-1,2-Dichloroethene	*trans-1,2- Dichloroethene	*Trichloroethene	*Vinyl Chloride
6NYCRR Part 703	5	5	5	5	2
27-Sep-11	-	-	-	-	-
17-Jun-13	<1.0	**2260.0**	**48.4**	**18.7**	1.0
11-Sep-15	**2.7**	**1000.0**	-	-	-
01-Mar-16	<1.0	**420.0**	**24.0**	**1.5**	**120.0**
10-May-16	<1.0	**430.0**	**29.0**	**1.6**	**89.0**
15-Jun-16	<10.0	**640.0**	**40.0**	**2.0**	**110.0**
13-Jul-16	**1.2**	**770.0**	**47.0**	**1.7**	**120.0**
10-Aug-16	<1.0	**860.0**	**56.0**	<1.0	**140.0**
08-Sep-16	<5.0	**710.0**	**44.0**	<5.0	**110.0**
05-Oct-16	<5.0	**955.0**	**71.3**	<5.0	**133.0**
03-Nov-16	**1.0**	**654.0**	**41.7**	**1.8**	**77.1**
02-Dec-16	<1.0	**714.0**	**44.5**	<1.0	**80.6**
04-Jan-17	<10.0	**1140.0**	**66.1**	<10.0	**107.0**
06-Apr-17	<5.0	**891.0**	**55.7**	<5.0	**70.3**
20-Jul-17	<1.0	**537.0**	**32.4**	<1.0	**57.0**
09-Nov-17	<1.0	**19.1**	**1.1**	<1.0	**2.5**
6-Mar-18	<1.0	**5.5**	<1.0	<1.0	**34.9**
6-Jun-18	<1.0	**4.4**	<1.0	<1.0	<1.0
5-Sep-18	<1.0	**593.0**	**37.1**	<1.0	**61.1**
4-Dec-18	<1.0	**61.9**	**1.1**	<1.0	**13.0**

Table 5. Historic Residual VOC Water Quality Data - MW-64S	
Parameter	***Acetone (µg/l)**
6NYCRR Part 703 Groundwater Standard	50
27-Sep-11	-
17-Jun-13	-
11-Sep-15	-
01-Mar-16	**2.7**
10-May-16	<10.0
15-Jun-16	<10.0
13-Jul-16	<10.0
10-Aug-16	<10.0
08-Sep-16	<10.0
05-Oct-16	**5.9**
03-Nov-16	<10.0
02-Dec-16	<10.0
04-Jan-17	<5.0
06-Apr-17	<5.0
20-Jul-17	<1.0
09-Nov-17	**28.7**
6-Mar-18	<5.0
6-Jun-18	<5.0
5-Sep-18	<5.0
4-Dec-18	<5.0
***Bolded numbers represent detects**	

MW-62 has continued to exhibit lower concentrations of the observed contaminants when compared to the samples collected in 2018 on the tested parameters. Reported concentrations of cis1,2-dichloroethene (12-DCE) and trans-1,2-dichloroethene have decreased from the baseline sampling concentrations in MW-62.

MW-64S currently does not exhibit groundwater quality exceedances.

Monitoring well location MW-64D exceeded groundwater standards for chloride, cis-1,2-dichloroethene, trans-1,2,-dichloroethene, trichlorothene, and vinyl chloride. Overall, there was a downward trend in exceedances during 2018 with the exception of the fourth quarter monitoring, which demonstrated exceedances most similar to those that occurred in June/July 2016.

Table 6. Historic Residual VOC Water Quality Data - MW-64D							
Parameter	***1,1-Dichloroethene (µg/l)**	***Acetone (µg/l)**	***Bromomethane (µg/l)**	***cis-1,2-Dichloroethene (µg/l)**	***trans-1,2-Dichloroethene (µg/l)**	***Trichloroethene (µg/l)**	***Vinyl chloride (µg/l)**
6NYCRR Part 703 Groundwater Standard	5	50	5	5	5	5	2
27-Sep-11	-	-	-	-	-	-	-
17-Jun-13	-	-	-	-	-	-	-
11-Sep-15	-	-	-	-	-	-	-
01-Mar-16	**9.7**	**1.2**	-	**1100.0**	**40.0**	**900.0**	**820.0**
10-May-16	**7.7**	<10.0	-	**1000.0**	**29.0**	**550.0**	**230.0**
15-Jun-16	**9.9**	<10.0	<1.0	**1100.0**	**36.0**	**570.0**	**170.0**
13-Jul-16	**11.0**	<10.0	-	**1400.0**	**40.0**	**670.0**	**250.0**
10-Aug-16	**11.0**	<10.0	-	**1500.0**	**41.0**	**630.0**	**240.0**
08-Sep-16	**13.0**	<100.0	<10.0	**1400.0**	**37.0**	**600.0**	**190.0**
05-Oct-16	**11.5**	<50.0	<10.0	**1730.0**	**56.5**	**863.0**	**243.0**
03-Nov-16	**9.4**	<10.0	<1.0	**1160.0**	**32.4**	**565.0**	**118.0**
02-Dec-16	<1.0	<50.0	<10.0	**789.0**	**21.9**	**407.0**	**81.0**
04-Jan-17	**2.5**	**20.7**	**<2.4**	**306.0**	**6.2**	**57.7**	**21.4**
06-Apr-17	<10.0	<50.0	<10.0	**1240.0**	**25.1**	**62.5**	**267.0**
20-Jul-17	<1.0	8	<1	**9.9**	<1.0	<1.0	**2.2**
09-Nov-17	**2.8**	20.2	<1	**419.0**	**7.4**	**19.7**	**39.1**
6-Mar-18	<2.0	<10.0	<2	**365**	**7.8**	**52.6**	**34.9**
6-Jun-18	**3.4**	<10.0	<2	**473**	**9.1**	**108**	**22.7**
5-Sep-18	**2.4**	<11.0	<2	**438**	**8.9**	**124**	**22.9**
4-Dec-18	<10.0	<50.0	<10	**1480**	**32.7**	**360**	**117**
***Bolded numbers represent detects**							

Table 7. Historic Residual VOC Water Quality Data - MW-65								
Parameter	***1,1-Dichloroethene (µg/l)**	***Acetone (µg/l)**	***Methyl tert-butyl ether (µg/l)**	**Tetrachloroethene**	***cis-1,2-Dichloroethene (µg/l)**	***trans-1,2-Dichloroethene (µg/l)**	***Trichloroethene (µg/l)**	***Vinyl Chloride (µg/l)**
6NYCRR Part 703 Groundwater Standard	5	50	10	5	5	5	5	2
27-Sep-11	-	-	-	-	-	-	-	-
17-Jun-13	-	-	-	-	-	-	-	-
11-Sep-15	-	-	-	-	-	-	-	-
01-Mar-16	**1.6**	**6.5**	1.7	**390.0**	**570.0**	**5.6**	**260.0**	**590.0**
10-May-16	<1.0	**1.4**	<1.0	**170.0**	**320.0**	**2.4**	**94.0**	**97.0**
15-Jun-16	<1.0	<10.0	<1.0	**140.0**	**310.0**	**5.9**	**100.0**	**84.0**
13-Jul-16	**1.0**	<10.0	<1.0	**160.0**	**500.0**	**4.6**	**110.0**	**130.0**
10-Aug-16	**1.2**	<10.0	<1.0	**170.0**	**490.0**	**4.0**	**130.0**	**170.0**
08-Sep-16	<1.0	<10.0	<1.0	**140.0**	**360.0**	**2.4**	**93.0**	**100.0**
05-Oct-16	<1.0	<10.0	<1.0	**196.0**	**493.0**	**3.8**	**141.0**	**150.0**
03-Nov-16	<1.0	<10.0	<1.0	**171.0**	**297.0**	**2.0**	**108.0**	**78.2**
02-Dec-16	<1.0	<10.0	<1.0	**200.0**	**323.0**	**2.3**	**118.0**	**99.4**
04-Jan-17	<1.0	<5.0	<1.0	**198.0**	<1.0	**2.6**	**125.0**	**117.0**
06-Apr-17	**1.0**	<5.0	<1.0	**241.0**	**446.0**	**2.7**	**135.0**	**82.9**
20-Jul-17	**1.0**	**10.7**	<1.0	**173.0**	**410.0**	**2.6**	**106.0**	**54.9**
09-Nov-17	<1.0	**51.9**	<1.0	**44.9**	**80.2**	<1.0	**34.9**	**10.6**
6-Mar-18	<1.0	<5.0	<1.0	1.0	1.1	<1.0	<1.0	<1.0
6-Jun-18	1.3	<5.0	<1.0	**188.0**	235	1.4	**107**	**15.9**
5-Sep-18	1.0	<5.0	<1.0	**287.0**	333	2.8	**144**	**26.4**
4-Dec-18	1.1	<5.0	<1.0	**296.0**	283	1.4	**140**	**22.3**

***Bolded numbers represent detects**

MW-65 exceeded groundwater standards for chloride, acetone, cis1,2-dichloroethene, trichloroethene, tetrachloroethene, and vinyl chloride. With the exception of acetone, the reported concentrations of the observed contaminants for 2018 have continued a downward trend.

Graphs depicting VOC exceedances are included in Attachment B. Full lab analyses are available in Attachment C.

5.2 Cover System Summary

Annual site inspection was completed on April 3, 2019 and included inspection of the cover system. This checklist, provided by the SMP, is included as Attachment D. Representative photographs of site cover are located in Attachment E.

During the annual inspection, soils were found to be stabilized and in good condition. Cracking (including areas capped by concrete or hard surfacing) or areas of concern were not identified.

5.3 SVI Results

As per the SMP, SVI assessments are required for new buildings located on the property. Parcel A includes the Casino/Landings Hotel building. This building is currently operated under positive pressure. As such, ports are located throughout the Casino and hotel portions of the building to demonstrate that the indoor pressure differential is net positive in comparison to subslab conditions.

Initial confirmatory measurements were taken in the Casino portion of the building on April 13, 2017 by B&L staff, utilizing an Infiltec DM1 Micro-manometer. Results confirmed that the desired net positive pressure differential was being maintained. See Attachment G for sampling port locations and data comparison chart.

Subsequent investigation was performed on February 27, 2019 in both the Casino portion and Landings Hotel portion of the building. During this reading, the confirmatory measurements established that maintaining the building HVAC under positive pressure was resulting in the desired net positive pressure differential between the building interior and the subslab within both the Casino and Hotel. See Attachment H for sampling port locations and data comparison chart.

5.4 Riverbank Spill - 1604483

During 2017-2018, the containment boom was lost due to ice jamming on the Mohawk. However, post installation of the grout wall, the sheen was visibly reduced. As such, carbon impregnated fabric was utilized to line the riprap as well as charcoal bags with continued monitoring. In December 2019, it was requested that the containment boom be reinstalled. Due to the river freezing, insertion of the boom was not completed until March 28, 2019. Further remedial actions are being reviewed, to be approved by the NYSDEC in May 2019. Copies of the previously submitted spill reports are included in Attachment I.

6.0 OPERATION & MAINTENANCE

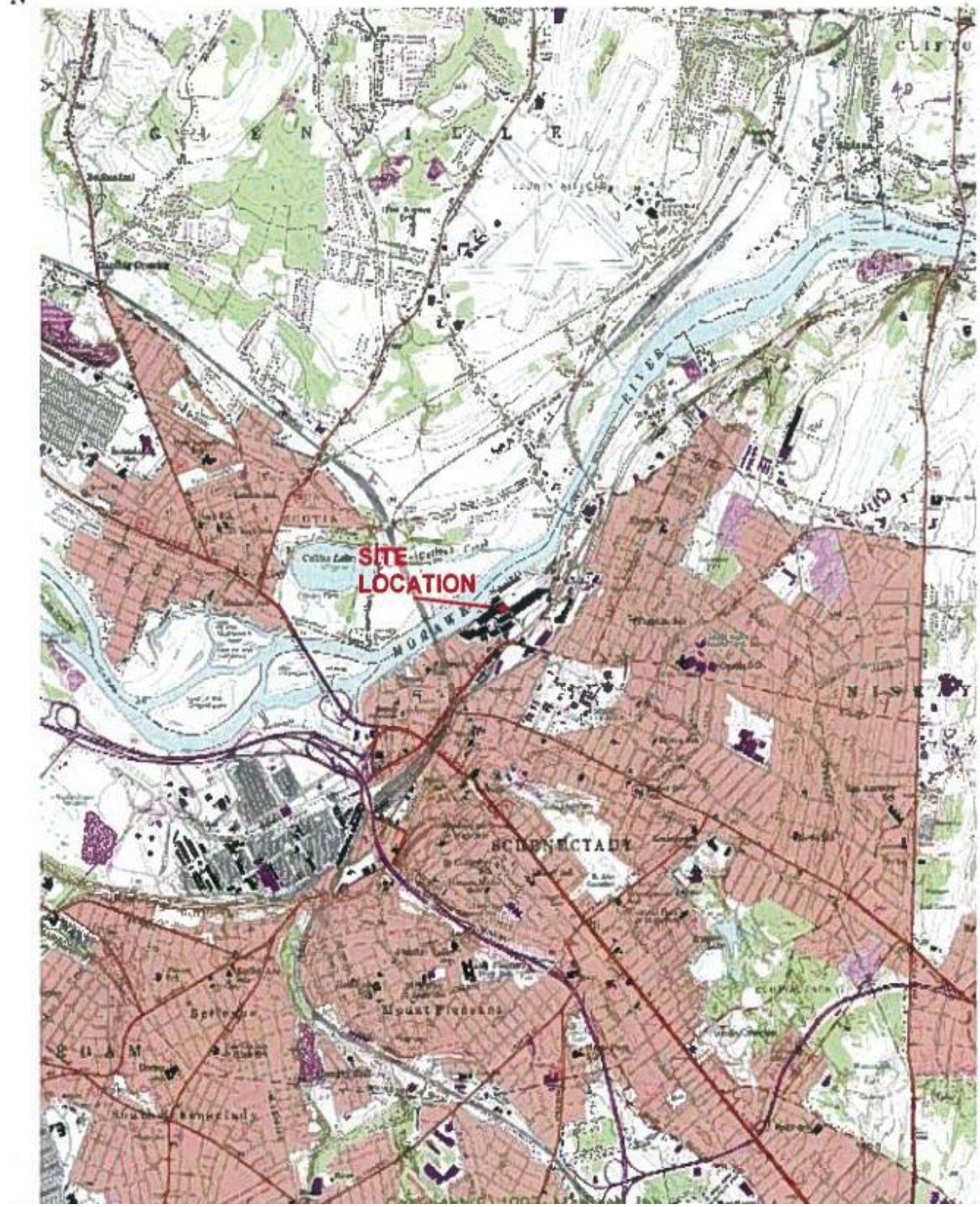
The site remedy does not rely on any mechanical systems, such as groundwater treatment systems, sub-slab depressurization systems or air sparge/soil vapor extraction systems to protect public health and the environment. Therefore, the operation and maintenance of such components is not included in this PRR.

7.0 CONCLUSIONS

Maxon ALCO Holdings, LLC, has been operating the remedial systems at the ALCO Parcel A property in accordance with the approved Site Management Plan. During the PRR reporting period, the following conclusions and recommendations have been made:

- Quarterly groundwater monitoring has overall continued to show declines in levels of chlorinated solvents post in situ oxidant injections in Parcel C in the groundwater monitoring wells with the exception of MW-64D, which has occasional spikes. It is recommended that monitoring continue to mark the trend and determine whether natural attenuation is satisfactory or further remedial action be taken.
- The soil cover system has been successfully implemented throughout the site as construction and excavation activities are completed.
- New buildings on site that have first floor occupancy have been tested for soil vapor intrusion. Structures on Parcel A include the Rivers Casino and Landings Hotel, which are demonstrated to be under a positive pressure system. During the 2019 pressure measurement event, the structures were found to satisfy the desired pressure differential and no corrective action is necessary.
- Spill 1604483 has been regularly inspected throughout the reporting period, two times a week or more as necessary. Product has regularly been recovered by MW-73 and reported to the NYSDEC. The spill area will continue to be monitored regularly as per the SMP. Copies of the previously submitted spill reports are included in Attachment I.

FIGURE 1
Site Location Map



Barton & Loguidice, P.C.

MAXON ALCO HOLDINGS, LLC

SITE MANAGEMENT PLAN

SITE PLAN

SCHENECTADY COUNTY NEW YORK

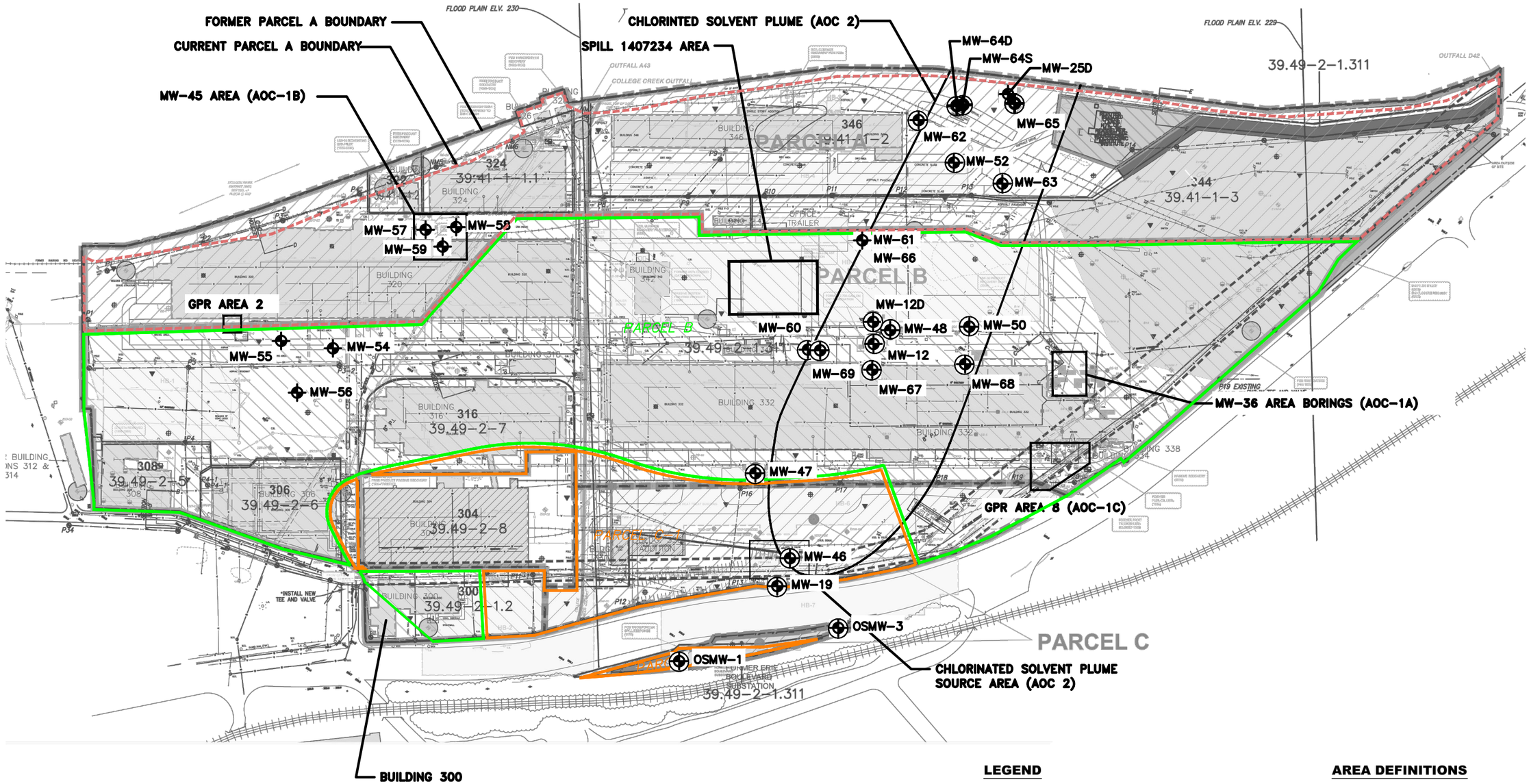
Date	Scale
OCTOBER, 2013	NOT TO SCALE

Figure Number: 1

Project Number: 1368.001.001

SOURCE LOCATION: Z:\blmfsvr1\...\1368.001.001\Data\Site Plan.ppt

FIGURE 2
Site Plan



MAP REFERENCE:

1) "SURVEY OF LANDS, ALCO LOCOMOTIVE, INC., CITY OF SCHENECTADY, COUNTY OF SCHENECTADY", DATED MARCH 1970, AS PREPARED BY C.T. MALE ASSOCIATES.

2) "A SUBDIVISION OF A PORTION OF LANDS OF SCHENECTADY INDUSTRIAL CORPORATION", DATED JUNE 30, 1988, AS PREPARED BY THE ENVIRONMENTAL DESIGN PARTNERSHIP.

3) "SITE PLAN, PROPOSED C & D RECYCLING FACILITY, NOTT STREET INDUSTRIAL PARK", DATED FEBRUARY 1995, AS PREPARED BY INGALLS SMART ASSOCIATES.

SOURCE:

1) ABD ENGINEERS AND SURVEYORS FEBRUARY 1988, REVISED NOVEMBER 1999.

2) HISTORIC BUILDING (HB) LOCATIONS BASED ON A "FUEL OIL PIPING" PLAN, PREPARED FOR AMERICAN LOCOMOTIVE CO., REVISED AUGUST 22,195.

LEGEND

- PROPERTY BOUNDARY
- BCP SITE BOUNDARY
- MANHOLE WITH DRAINAGE STUCTURE NUMBER
- CATCH BASIN WITH DRAINAGE STRUCTURE NUMBER
- LIFT STATION WITH DRAINAGE STRUCTURE NUMBER
- MANHOLE (M.H.)
- CATCH BASIN (C.B.)
- OW-2 MONITORING WELL (MW)
- TMW-6 TEMPORARY MONITORING WELL (TMW)
- RW-01 RECOVCERY WELL
- P-2 PIEZOMETER
- DB-18 GEOPROBE BORING
- SS-5 SURFACE SOIL SAMPLE LOCATION (SS)
- SB-2 SOIL BORING LOCATION

MW-63 MONITORING WELL (SRI INVESTIGATION 2013)

CHLORINATED SOLVENT PLUME MW

AREA DEFINITIONS

- BUILDINGS/STRUCTURES
- HB FORMER BUILDINGS (PREVIOUSLY DEMOLISHED)
- "EVI" PARCEL
- "RPI" PARCEL
- OTHER PROPERTIES NO PART OF SITE
- REMEDIATION AREA
- FORMER UST/AST LOCATIONS

MAXON ALCO HOLDINGS, LLC
SITE MANAGEMENT PLAN

SITE PLAN

CITY OF SCHENECTADY NEW YORK

Barton & Loguidice, Inc.

Date
OCTOBER 2016

Scale
NO SCALE

Figure Number
2

Project Number
1368.001.001

Plotted: Oct 05, 2016 - 2:30PM SYR By: kps
Z:\BL-Vault\D2\18217AD2-1C71-4823-8927-99D5C4054147\0\1082000-1082999\1082467\LL\SMP and FER Figures (ID 1082467)\1368001_SMP Figure 2.dwg

ATTACHMENT A
NYSDEC Approved Certification Form

Enclosure 2

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

Site Details **Box 1**

Site No. **C447042**

Site Name ALCO-Maxon Site - Parcel A

Site Address: 301 NOTT STREET Zip Code: 12305
City/Town: Schenectady
County: Schenectady
Site Acreage: 19.150

Reporting Period: April 09, 2018 to April 09, 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?	☐	☒
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?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, 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	05/06/2019 Date

	Box 2A	
	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C447042 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
39.34-1-8 (Portion of)	Maxon ALCO Holdings LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan O&M Plan

Institutional Controls (ICs)

1. The property may be used for: restricted residential use;
2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.34-1-9	Maxon ALCO Holdings LLC	O&M Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

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39.41-1-10 Maxon ALCO Holdings, LLC

O&M Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

Institutional Controls (ICs)
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39.41-1-11 Maxon ALCO Holdings LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

O&M Plan

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39.41-1-12 Maxon ALCO Holdings LLC

O&M Plan
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39.41-1-13 Maxon ALCO Holdings LLC

Ground Water Use Restriction
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O&M Plan

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39.41-1-14 Maxon ALCO Holdings LLC

O&M Plan
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39.41-1-15 Maxon ALCO Holdings LLC

Ground Water Use Restriction

Soil Management Plan
Landuse Restriction
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IC/EC Plan

O&M Plan

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39.41-1-16 Maxon ALCO Holdings LLC

O&M Plan
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Landuse Restriction
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IC/EC Plan

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39.41-1-17 Maxon ALCO Holdings LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

O&M Plan

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39.41-1-18 Maxon ALCO Holdings LLC

O&M Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

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2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-19 Maxon ALCO Holdings LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

O&M Plan

Institutional Controls (ICs)
1. The property may be used for: restricted residential use;
2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management

Plan (SMP);
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
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9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-20 Maxon ALCO Holdings LLC

O&M Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

Institutional Controls (ICs)
1. The property may be used for: restricted residential use;
2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
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8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New

York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-21 Maxon ALCO Holdings LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

O&M Plan

Institutional Controls (ICs)
1. The property may be used for: restricted residential use;
2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-22 Maxon ALCO Holdings LLC

O&M Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction

Monitoring Plan
Site Management Plan
IC/EC Plan

Institutional Controls (ICs)

1. The property may be used for: restricted residential use;
2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-23 Maxon ALCO Holdings LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

O&M Plan

Institutional Controls (ICs)

1. The property may be used for: restricted residential use;
2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;

7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-24 Maxon ALCO Holdings LLC

O&M Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

Institutional Controls (ICs)
1. The property may be used for: restricted residential use;
2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and

16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-4 (Portion of) Maxon ALCO Holdings, LLC

O&M Plan
Ground Water Use Restriction
Soil Management Plan
Monitoring Plan
Site Management Plan
IC/EC Plan

Landuse Restriction

Institutional Controls (ICs)

1. The property may be used for: restricted residential use;
2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-5 (Portion of) Maxon ALCO Holdings, LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

O&M Plan

Institutional Controls (ICs)

1. The property may be used for: restricted residential use;
2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without the necessary water quality

treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-6 (Portion of) Maxon ALCO Holdings, LLC

O&M Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

Institutional Controls (ICs)
1. The property may be used for: restricted residential use;
2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC

boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-7 Maxon ALCO Holdings, LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

O&M Plan

Institutional Controls (ICs)
1. The property may be used for: restricted residential use;
2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
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6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
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8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-9 Maxon ALCO Holdings, LLC

O&M Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

Institutional Controls (ICs)

1. The property may be used for: restricted residential use;
2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
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4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
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7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;
12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.49-2-1.7 (Portion of) Maxon ALCO Holdings LLC

O&M Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

Institutional Controls (ICs)

1. The property may be used for: restricted residential use;
2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
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this SMP;
9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
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12. Vegetable gardens and farming on the site are prohibited;
13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;
14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
39.34-1-8 (Portion of)	Cover System

Engineering Controls (ECs)
Cover System – A site cover will be required to allow for restricted residential use of the site.

- the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site;
- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;
- Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.
- Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;
- The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.

39.34-1-9

Cover System

Engineering Controls (ECs)
Cover System – A site cover will be required to allow for restricted residential use of the site.

- the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site;
- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;
- Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.
- Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;
- The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be

Parcel	Engineering Control

implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.

39.41-1-10

Cover System

Engineering Controls (ECs)

Cover System – A site cover will be required to allow for restricted residential use of the site.

- the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site;
- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;
- Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.
- Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;
- The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.

39.41-1-11

Cover System

Engineering Controls (ECs)

Cover System – A site cover will be required to allow for restricted residential use of the site.

- the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site;
- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;
- Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.
- Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;
- The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.

39.41-1-12

Cover System

Engineering Controls (ECs)

Cover System – A site cover will be required to allow for restricted residential use of the site.

- the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site;
- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;
- Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and

Parcel	Engineering Control
	NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B; • The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.
39.41-1-13	Cover System Engineering Controls (ECs) Cover System – A site cover will be required to allow for restricted residential use of the site. • the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site; • the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B; • The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.
39.41-1-14	Cover System Engineering Controls (ECs) Cover System – A site cover will be required to allow for restricted residential use of the site. • the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site; • the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B; • The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.
39.41-1-15	Cover System Engineering Controls (ECs) Cover System – A site cover will be required to allow for restricted residential use of the site.

Parcel	Engineering Control

- the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site;
- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;
- Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.
- Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;
- The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.

39.41-1-16

Cover System

Engineering Controls (ECs)
Cover System – A site cover will be required to allow for restricted residential use of the site.

- the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site;
- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;
- Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.
- Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;
- The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.

39.41-1-17

Cover System

Engineering Controls (ECs)
Cover System – A site cover will be required to allow for restricted residential use of the site.

- the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site;
- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;
- Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.
- Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;
- The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to

Parcel	Engineering Control
	the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.
39.41-1-18	Cover System Engineering Controls (ECs) Cover System – A site cover will be required to allow for restricted residential use of the site. • the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site; • the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B; • The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.
39.41-1-19	Cover System Engineering Controls (ECs) Cover System – A site cover will be required to allow for restricted residential use of the site. • the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site; • the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B; • The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.
39.41-1-20	Cover System Engineering Controls (ECs) Cover System – A site cover will be required to allow for restricted residential use of the site. • the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site; • the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard

Parcel	Engineering Control

Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;

- The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.

39.41-1-21

Cover System

Engineering Controls (ECs)

Cover System – A site cover will be required to allow for restricted residential use of the site.

- the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site;
- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;
- Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.
- Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;
- The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.

39.41-1-22

Cover System

Engineering Controls (ECs)

Cover System – A site cover will be required to allow for restricted residential use of the site.

- the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site;
- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;
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39.41-1-23

Cover System

Engineering Controls (ECs)

Cover System – A site cover will be required to allow for restricted residential use of the site.

- the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site;

Parcel	Engineering Control
	• the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B; • The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.
39.41-1-24	Cover System Engineering Controls (ECs) Cover System – A site cover will be required to allow for restricted residential use of the site. • the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site; • the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B; • The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.
39.41-1-4 (Portion of)	Cover System Engineering Controls (ECs) Cover System – A site cover will be required to allow for restricted residential use of the site. • the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site; • the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B; • The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.
39.41-1-5 (Portion of)	

Parcel	Engineering Control
	Cover System
Engineering Controls (ECs) Cover System – A site cover will be required to allow for restricted residential use of the site. • the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site; • the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B; • The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.	
39.41-1-6 (Portion of)	
	Cover System
Engineering Controls (ECs) Cover System – A site cover will be required to allow for restricted residential use of the site. • the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site; • the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B; • The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.	
39.41-1-7	
	Cover System
Engineering Controls (ECs) Cover System – A site cover will be required to allow for restricted residential use of the site. • the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site; • the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;	

Parcel	Engineering Control
39.41-1-9	• The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP. Cover System Engineering Controls (ECs) Cover System – A site cover will be required to allow for restricted residential use of the site. • the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site; • the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;
39.49-2-1.7 (Portion of)	• The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP. Cover System Engineering Controls (ECs) Cover System – A site cover will be required to allow for restricted residential use of the site. • the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site; • the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover; • Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer. • Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B; • The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.

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

5/6/2019
Date

IC CERTIFICATIONS
SITE NO. C447042

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 Andrew J. Barber (print name) at Barton + Loguidice, Inc, 10 Airline Dr., Albany NY (print business address)

am certifying as representative of Maxon ALCO Holdings, LLC (Owner or Remedial Party)

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

Andrew J. Barber

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

5/6/2019

Date

IC/EC CERTIFICATIONS

Box 7

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 Scott D. Nostrand, P.E. at Barton & Loguidice, Inc., 10 Airline Dr. Albany, NY
print name print business address

am certifying as a for the Owner, Maxon ALCO Holdings, LLC
(Owner or Remedial Party)

STATE OF NEW YORK
SCOTT D. NOSTRAND
No. 075454
LICENSED PROFESSIONAL ENGINEER

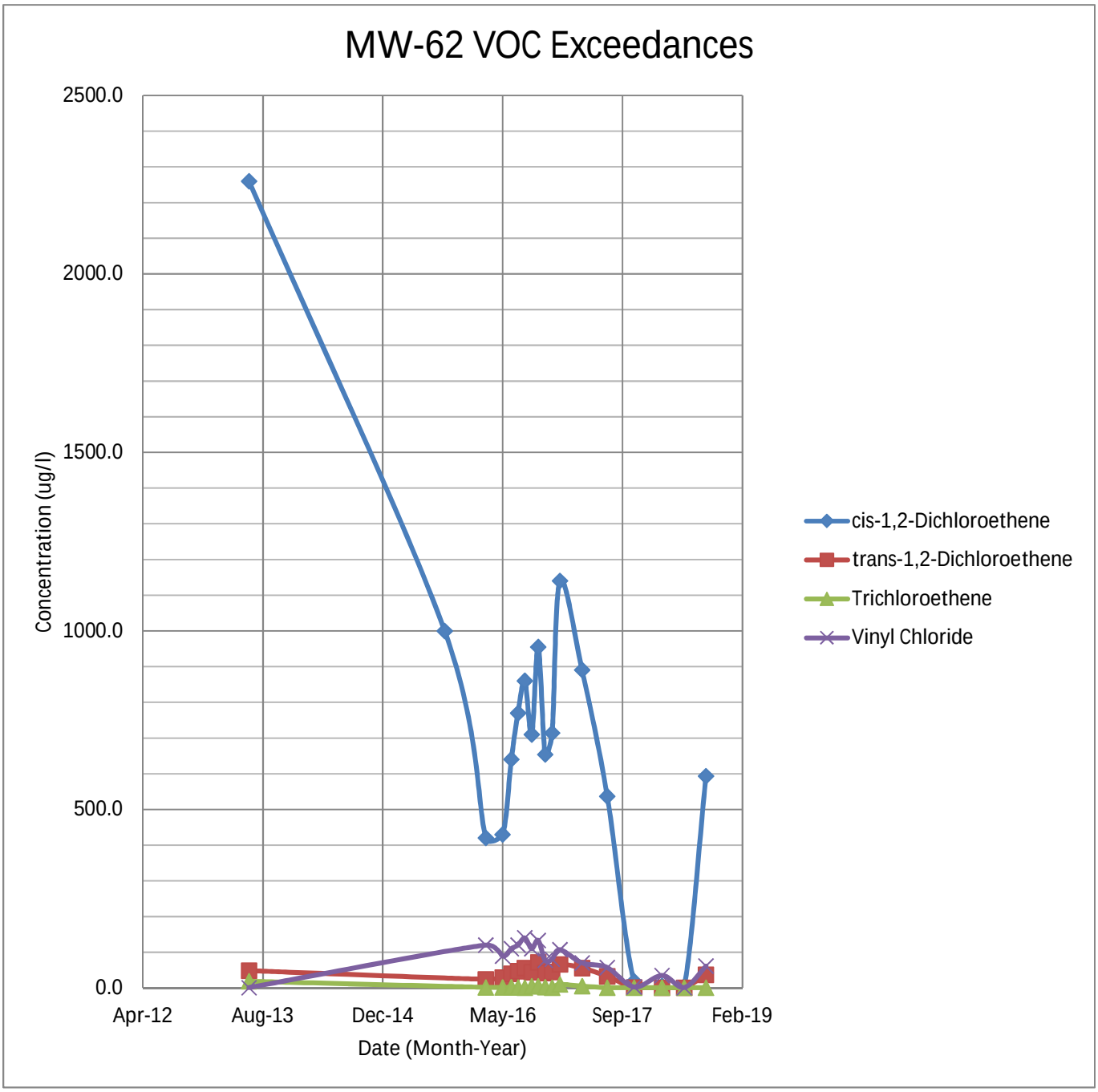
Scott D. N

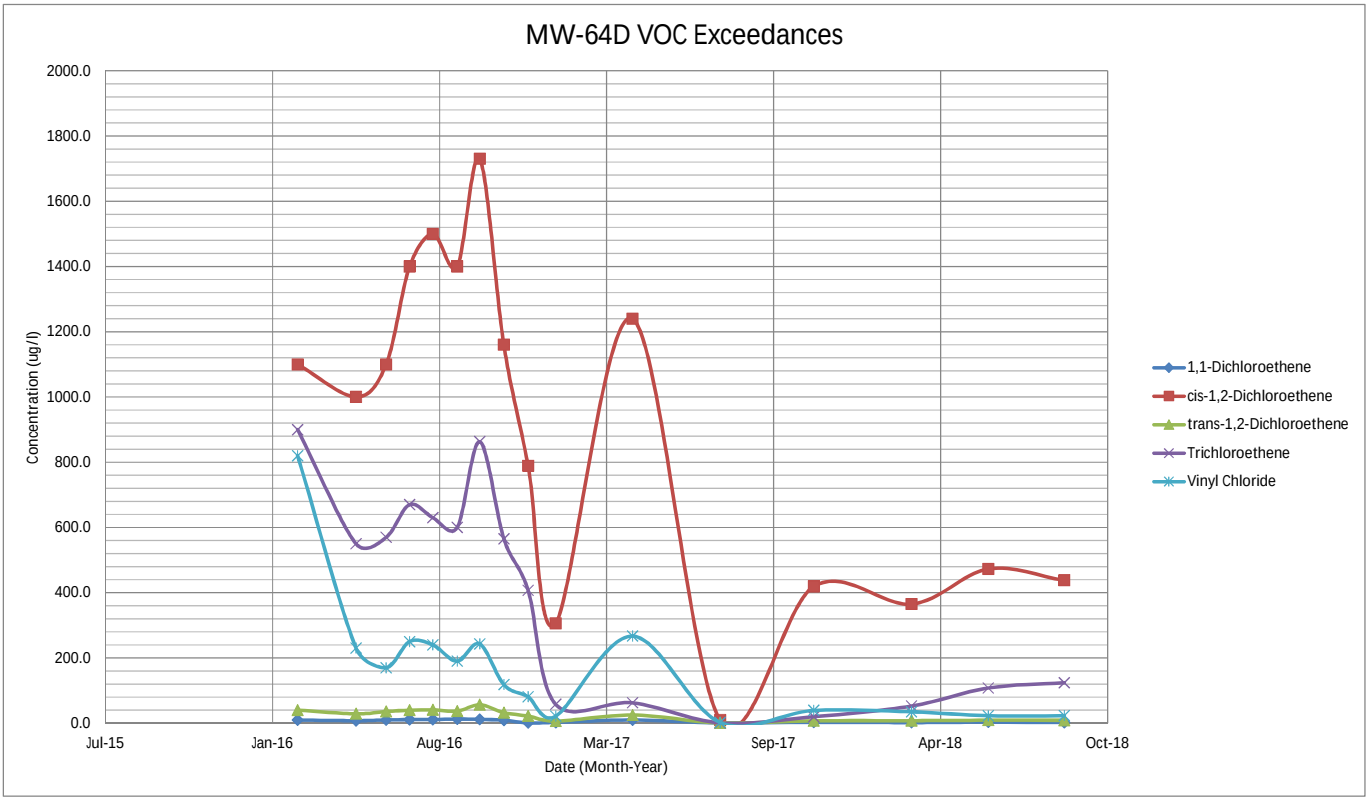
Signature of , for the Owner or Remedial Party, Rendering Certification

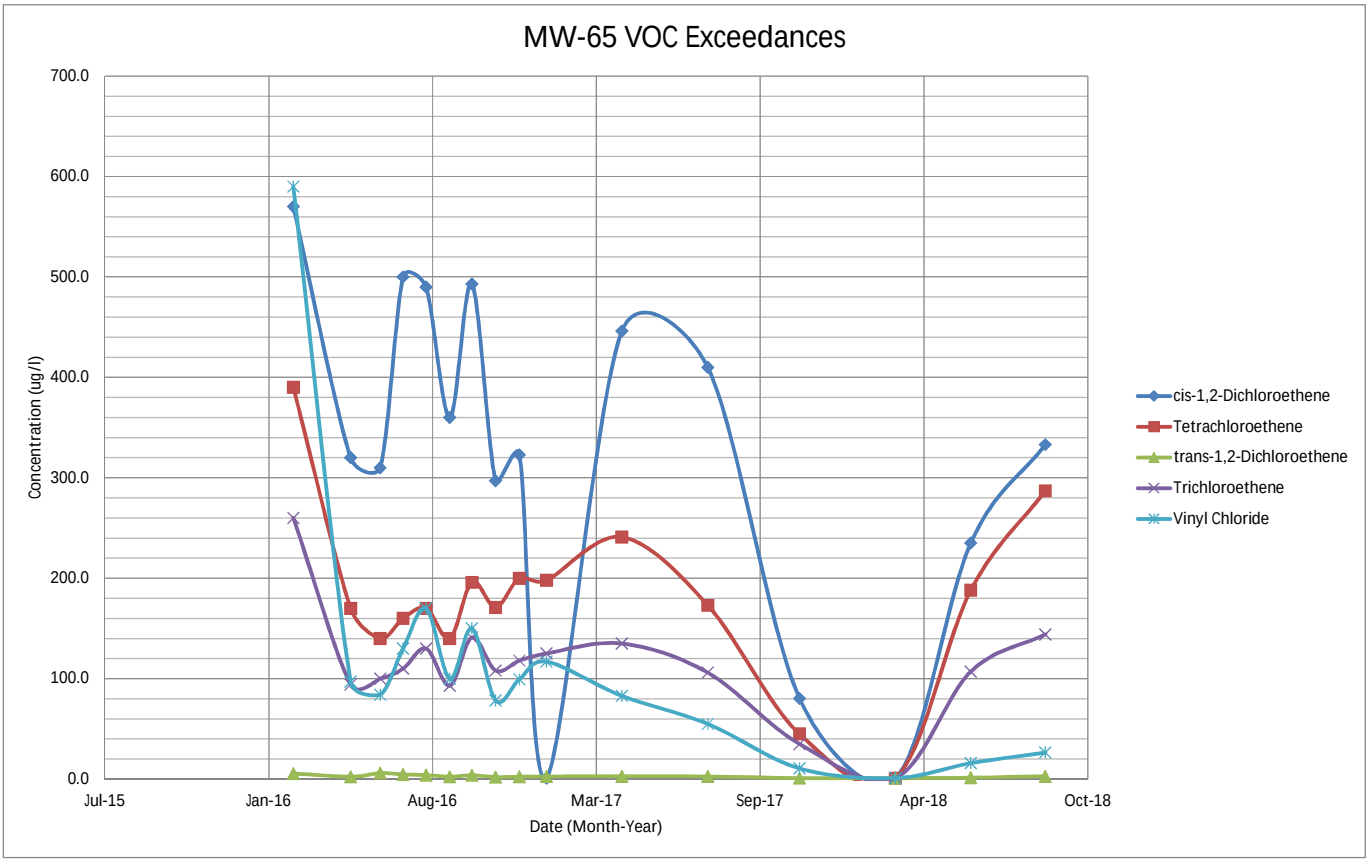
Stamp (Required for PE)

5/6/2019
Date

ATTACHMENT B
Groundwater VOC Exceedance Graphs


MW-62 VOC Exceedances
2500.0
2000.0
1500.0
1000.0
500.0
0.0
Concentration (ug/l)
Apr-12
Aug-13
Dec-14
May-16
Sep-17
Feb-19
Date (Month-Year)
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene
Trichloroethene
Vinyl Chloride


MW-64D VOC Exceedances
2000.0
1800.0
1600.0
1400.0
1200.0
1000.0
800.0
600.0
400.0
200.0
0.0
Concentration (ug/l)
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18
Date (Month-Year)
1,1-Dichloroethene
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene
Trichloroethene
Vinyl Chloride


MW-65 VOC Exceedances
700.0
600.0
500.0
400.0
300.0
200.0
100.0
0.0
Concentration (ug/l)
Jul-15
Jan-16
Aug-16
Mar-17
Sep-17
Apr-18
Oct-18
Date (Month-Year)
cis-1,2-Dichloroethene
Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene
Vinyl Chloride

ATTACHMENT C
2018 Monitoring Data

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

March 21, 2018

Corinne Steinmuller
Barton and Loguidice
10 Airline Drive Suite 200
Albany,

RE: Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Dear Corinne Steinmuller:
Enclosed are the analytical results for sample(s) received by the laboratory between March 07, 2018 and March 13, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Caitlin Panzarella

Caitlin Panzarella
caitlin.panzarella@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Andy Barber, B&L

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

June 22, 2018

Corinne Steinmuller
Barton and Loguidice
10 Airline Drive Suite 200
Albany,

RE: Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Dear Corinne Steinmuller:
Enclosed are the analytical results for sample(s) received by the laboratory on June 06, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

John D. Stanton for
Caitlin Panzarella
caitlin.panzarella@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Andy Barber, B&L

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-19 **Lab ID: 7053800001** Collected: 06/05/18 11:46 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**344000**	ug/L	2500	1	06/07/18 09:00	06/08/18 05:07		
Calcium	**138000**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:07	7440-70-2	
Hardness, Magnesium	**59100**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:07		N3
Magnesium	**14400**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:07	7439-95-4	
Potassium	**7620**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:07	7440-09-7	
Sodium	**629000**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:07	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**403000**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:07		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	96-12-8	CL,L2
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/07/18 17:46	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/07/18 17:46	78-93-3	CL
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		06/07/18 17:46	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/07/18 17:46	108-10-1	CL
Acetone	**<5.0**	ug/L	5.0	1		06/07/18 17:46	67-64-1	CL
Benzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	74-97-5	CL,L2
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/07/18 17:46	75-25-2	CL,L2
Bromomethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	74-83-9	CL,L2
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/07/18 17:46	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/07/18 17:46	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-19 **Lab ID: 7053800001** Collected: 06/05/18 11:46 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		06/07/18 17:46	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	124-48-1	CL
Dibromomethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	75-71-8	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	87-68-3	CL
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/07/18 17:46	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		06/07/18 17:46	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/07/18 17:46	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	100-42-5	
Tetrachloroethene	**830**	ug/L	10.0	10		06/08/18 16:55	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	108-88-3	
Trichloroethene	**83.2**	ug/L	1.0	1		06/07/18 17:46	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 17:46	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		06/07/18 17:46	108-05-4	
Vinyl chloride	**2.0**	ug/L	1.0	1		06/07/18 17:46	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/07/18 17:46	1330-20-7	
cis-1,2-Dichloroethene	**93.8**	ug/L	1.0	1		06/07/18 17:46	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/07/18 17:46	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	135-98-8	L1
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	98-06-6	L1
trans-1,2-Dichloroethene	**1.3**	ug/L	1.0	1		06/07/18 17:46	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 17:46	10061-02-6	CL,L2
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	68-153	1		06/07/18 17:46	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		06/07/18 17:46	460-00-4	
Toluene-d8 (S)	106	%	69-124	1		06/07/18 17:46	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**876**	mg/L	100	50		06/12/18 21:23	16887-00-6	
Sulfate	**70.7**	mg/L	25.0	5		06/12/18 21:07	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**0.49**	mg/L	0.050	1		06/06/18 22:58	14797-55-8	
Nitrate-Nitrite (as N)	**0.49**	mg/L	0.050	1		06/06/18 22:58	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		06/06/18 19:48	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-46 **Lab ID: 7053800002** Collected: 06/05/18 11:54 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**722000**	ug/L	2500	1	06/07/18 09:00	06/08/18 05:12		
Calcium	**289000**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:12	7440-70-2	
Hardness, Magnesium	**147000**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:12		N3
Magnesium	**35800**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:12	7439-95-4	
Potassium	**13800**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:12	7440-09-7	
Sodium	**1300000**	ug/L	50000	10	06/07/18 09:00	06/08/18 13:02	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**869000**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:12		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	75-34-3	
1,1-Dichloroethene	**4.9**	ug/L	1.0	1		06/07/18 18:06	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	96-12-8	CL,L2
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/07/18 18:06	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/07/18 18:06	78-93-3	CL
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		06/07/18 18:06	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/07/18 18:06	108-10-1	CL
Acetone	**<5.0**	ug/L	5.0	1		06/07/18 18:06	67-64-1	CL
Benzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	74-97-5	CL,L2
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/07/18 18:06	75-25-2	CL,L2
Bromomethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	74-83-9	CL,L2
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/07/18 18:06	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/07/18 18:06	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-46 **Lab ID: 7053800002** Collected: 06/05/18 11:54 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		06/07/18 18:06	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	124-48-1	CL
Dibromomethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	75-71-8	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	87-68-3	CL
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/07/18 18:06	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		06/07/18 18:06	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/07/18 18:06	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	100-42-5	
Tetrachloroethene	**10.9**	ug/L	1.0	1		06/07/18 18:06	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	108-88-3	
Trichloroethene	**8.1**	ug/L	1.0	1		06/07/18 18:06	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:06	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		06/07/18 18:06	108-05-4	
Vinyl chloride	**192**	ug/L	1.0	1		06/07/18 18:06	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/07/18 18:06	1330-20-7	
cis-1,2-Dichloroethene	**2190**	ug/L	25.0	25		06/08/18 16:35	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/07/18 18:06	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	135-98-8	L1
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	98-06-6	L1
trans-1,2-Dichloroethene	**26.4**	ug/L	1.0	1		06/07/18 18:06	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 18:06	10061-02-6	CL,L2
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		06/07/18 18:06	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		06/07/18 18:06	460-00-4	
Toluene-d8 (S)	106	%	69-124	1		06/07/18 18:06	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**3020**	mg/L	200	100		06/13/18 19:32	16887-00-6	
Sulfate	**182**	mg/L	50.0	10		06/12/18 21:40	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		06/06/18 22:59	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		06/06/18 22:59	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		06/06/18 19:49	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-62 **Lab ID: 7053800003** Collected: 06/05/18 08:52 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**382000**	ug/L	2500	1	06/07/18 09:00	06/08/18 05:18		
Calcium	**153000**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:18	7440-70-2	
Hardness, Magnesium	**75500**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:18		N3
Magnesium	**18300**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:18	7439-95-4	
Potassium	**<5000**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:18	7440-09-7	
Sodium	**104000**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:18	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**458000**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:18		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	96-12-8	CL,L2
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/07/18 18:27	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/07/18 18:27	78-93-3	CL
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		06/07/18 18:27	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/07/18 18:27	108-10-1	CL
Acetone	**<5.0**	ug/L	5.0	1		06/07/18 18:27	67-64-1	CL
Benzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	74-97-5	CL,L2
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/07/18 18:27	75-25-2	CL,L2
Bromomethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	74-83-9	CL,L2
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/07/18 18:27	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/07/18 18:27	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-62 **Lab ID: 7053800003** Collected: 06/05/18 08:52 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		06/07/18 18:27	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	124-48-1	CL
Dibromomethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	75-71-8	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	87-68-3	CL
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/07/18 18:27	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		06/07/18 18:27	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/07/18 18:27	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:27	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		06/07/18 18:27	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/07/18 18:27	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/07/18 18:27	1330-20-7	
cis-1,2-Dichloroethene	**4.4**	ug/L	1.0	1		06/07/18 18:27	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/07/18 18:27	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	135-98-8	L1
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 18:27	10061-02-6	CL,L2
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	68-153	1		06/07/18 18:27	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		06/07/18 18:27	460-00-4	
Toluene-d8 (S)	106	%	69-124	1		06/07/18 18:27	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**49.4**	mg/L	2.0	1		06/12/18 05:51	16887-00-6	
Sulfate	**<5.0**	mg/L	5.0	1		06/12/18 05:51	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		06/06/18 23:00	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		06/06/18 23:00	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		06/06/18 19:51	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-64S **Lab ID: 7053800004** Collected: 06/05/18 07:40 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**304000**	ug/L	2500	1	06/07/18 09:00	06/08/18 05:24		
Calcium	**122000**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:24	7440-70-2	
Hardness, Magnesium	**67500**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:24		N3
Magnesium	**16400**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:24	7439-95-4	
Potassium	**6980**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:24	7440-09-7	
Sodium	**30900**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:24	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**371000**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:24		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	96-12-8	CL,L2
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/07/18 18:47	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/07/18 18:47	78-93-3	CL
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		06/07/18 18:47	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/07/18 18:47	108-10-1	CL
Acetone	**<5.0**	ug/L	5.0	1		06/07/18 18:47	67-64-1	CL
Benzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	74-97-5	CL,L2
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/07/18 18:47	75-25-2	CL,L2
Bromomethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	74-83-9	CL,L2
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/07/18 18:47	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/07/18 18:47	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-64S **Lab ID: 7053800004** Collected: 06/05/18 07:40 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		06/07/18 18:47	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	124-48-1	CL
Dibromomethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	75-71-8	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	87-68-3	CL
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/07/18 18:47	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		06/07/18 18:47	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/07/18 18:47	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 18:47	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		06/07/18 18:47	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/07/18 18:47	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/07/18 18:47	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/07/18 18:47	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	135-98-8	L1
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 18:47	10061-02-6	CL,L2
Surrogates								
1,2-Dichloroethane-d4 (S)	88	%	68-153	1		06/07/18 18:47	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		06/07/18 18:47	460-00-4	
Toluene-d8 (S)	105	%	69-124	1		06/07/18 18:47	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**49.9**	mg/L	2.0	1		06/12/18 06:08	16887-00-6	
Sulfate	**<5.0**	mg/L	5.0	1		06/12/18 06:08	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		06/06/18 23:01	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		06/06/18 23:01	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		06/06/18 19:54	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-64D **Lab ID: 7053800005** Collected: 06/05/18 07:59 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**429000**	ug/L	2500	1	06/07/18 09:00	06/08/18 05:29		
Calcium	**172000**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:29	7440-70-2	
Hardness, Magnesium	**115000**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:29		N3
Magnesium	**28000**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:29	7439-95-4	
Potassium	**5330**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:29	7440-09-7	
Sodium	**181000**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:29	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**545000**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:29		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	75-34-3	
1,1-Dichloroethene	**3.4**	ug/L	1.0	1		06/07/18 19:07	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	96-12-8	CL,L2
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/07/18 19:07	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/07/18 19:07	78-93-3	CL
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		06/07/18 19:07	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/07/18 19:07	108-10-1	CL
Acetone	**<5.0**	ug/L	5.0	1		06/07/18 19:07	67-64-1	CL
Benzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	74-97-5	CL,L2
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/07/18 19:07	75-25-2	CL,L2
Bromomethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	74-83-9	CL,L2
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/07/18 19:07	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/07/18 19:07	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-64D **Lab ID: 7053800005** Collected: 06/05/18 07:59 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		06/07/18 19:07	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	124-48-1	CL
Dibromomethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	75-71-8	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	87-68-3	CL
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/07/18 19:07	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		06/07/18 19:07	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/07/18 19:07	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	108-88-3	
Trichloroethene	**108**	ug/L	1.0	1		06/07/18 19:07	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:07	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		06/07/18 19:07	108-05-4	
Vinyl chloride	**22.7**	ug/L	1.0	1		06/07/18 19:07	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/07/18 19:07	1330-20-7	
cis-1,2-Dichloroethene	**473**	ug/L	5.0	5		06/08/18 17:35	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/07/18 19:07	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	135-98-8	L1
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	98-06-6	L1
trans-1,2-Dichloroethene	**9.1**	ug/L	1.0	1		06/07/18 19:07	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 19:07	10061-02-6	CL,L2
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		06/07/18 19:07	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		06/07/18 19:07	460-00-4	
Toluene-d8 (S)	107	%	69-124	1		06/07/18 19:07	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**110**	mg/L	40.0	20		06/12/18 22:30	16887-00-6	
Sulfate	**74.0**	mg/L	25.0	5		06/12/18 22:13	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		06/06/18 23:05	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		06/06/18 23:05	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		06/06/18 19:55	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-65 **Lab ID: 7053800006** Collected: 06/05/18 07:30 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**684000**	ug/L	2500	1	06/07/18 09:00	06/08/18 06:02		
Calcium	**274000**	ug/L	1000	1	06/07/18 09:00	06/08/18 06:02	7440-70-2	M1
Hardness, Magnesium	**240000**	ug/L	4100	1	06/07/18 09:00	06/08/18 06:02		N3
Magnesium	**58300**	ug/L	1000	1	06/07/18 09:00	06/08/18 06:02	7439-95-4	
Potassium	**7800**	ug/L	5000	1	06/07/18 09:00	06/08/18 06:02	7440-09-7	
Sodium	**431000**	ug/L	5000	1	06/07/18 09:00	06/08/18 06:02	7440-23-5	M1
Tot Hardness asCaCO3 (SM 2340B	**924000**	ug/L	4100	1	06/07/18 09:00	06/08/18 06:02		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	75-34-3	M1
1,1-Dichloroethene	**1.3**	ug/L	1.0	1		06/07/18 19:27	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	96-12-8	CL,L2, M0
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/07/18 19:27	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/07/18 19:27	78-93-3	CL
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		06/07/18 19:27	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/07/18 19:27	108-10-1	CL
Acetone	**<5.0**	ug/L	5.0	1		06/07/18 19:27	67-64-1	CL
Benzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	74-97-5	CL,L2, M0
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	75-27-4	M1
Bromoform	**<1.0**	ug/L	1.0	1		06/07/18 19:27	75-25-2	CL,L2, M0
Bromomethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	74-83-9	CL,L2, M0
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/07/18 19:27	75-15-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-65 **Lab ID: 7053800006** Collected: 06/05/18 07:30 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/07/18 19:27	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/07/18 19:27	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	124-48-1	CL,M1
Dibromomethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	75-71-8	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	87-68-3	CL
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/07/18 19:27	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		06/07/18 19:27	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/07/18 19:27	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	100-42-5	
Tetrachloroethene	**188**	ug/L	1.0	1		06/07/18 19:27	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	108-88-3	
Trichloroethene	**107**	ug/L	1.0	1		06/07/18 19:27	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:27	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		06/07/18 19:27	108-05-4	
Vinyl chloride	**15.9**	ug/L	1.0	1		06/07/18 19:27	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/07/18 19:27	1330-20-7	
cis-1,2-Dichloroethene	**235**	ug/L	2.0	2		06/08/18 17:15	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/07/18 19:27	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	135-98-8	L1
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	98-06-6	L1
trans-1,2-Dichloroethene	**1.4**	ug/L	1.0	1		06/07/18 19:27	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 19:27	10061-02-6	CL,L2, M0
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		06/07/18 19:27	17060-07-0	
4-Bromofluorobenzene (S)	104	%	79-124	1		06/07/18 19:27	460-00-4	
Toluene-d8 (S)	107	%	69-124	1		06/07/18 19:27	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**949**	mg/L	100	50		06/12/18 23:37	16887-00-6	
Sulfate	**182**	mg/L	50.0	10		06/12/18 22:47	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		06/06/18 23:06	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		06/06/18 23:06	7727-37-9	M1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-65 **Lab ID: 7053800006** Collected: 06/05/18 07:30 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		06/06/18 19:57	14797-65-0	

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ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-67 **Lab ID: 7053800007** Collected: 06/05/18 09:50 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**489000**	ug/L	2500	1	06/07/18 09:00	06/08/18 05:35		
Calcium	**196000**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:35	7440-70-2	
Hardness, Magnesium	**163000**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:35		N3
Magnesium	**39600**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:35	7439-95-4	
Potassium	**7600**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:35	7440-09-7	
Sodium	**198000**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:35	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**653000**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:35		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	75-34-3	
1,1-Dichloroethene	**4.4**	ug/L	1.0	1		06/07/18 19:47	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	96-12-8	CL,L2
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/07/18 19:47	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/07/18 19:47	78-93-3	CL
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		06/07/18 19:47	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/07/18 19:47	108-10-1	CL
Acetone	**<5.0**	ug/L	5.0	1		06/07/18 19:47	67-64-1	CL
Benzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	74-97-5	CL,L2
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/07/18 19:47	75-25-2	CL,L2
Bromomethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	74-83-9	CL,L2
Carbon disulfide	**2.1**	ug/L	1.0	1		06/07/18 19:47	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/07/18 19:47	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	108-90-7	
Chloroethane	**8.3**	ug/L	1.0	1		06/07/18 19:47	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-67 **Lab ID: 7053800007** Collected: 06/05/18 09:50 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		06/07/18 19:47	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	124-48-1	CL
Dibromomethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	75-71-8	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	87-68-3	CL
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/07/18 19:47	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		06/07/18 19:47	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/07/18 19:47	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	108-88-3	
Trichloroethene	**3.3**	ug/L	1.0	1		06/07/18 19:47	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 19:47	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		06/07/18 19:47	108-05-4	
Vinyl chloride	**698**	ug/L	40.0	40		06/08/18 16:15	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/07/18 19:47	1330-20-7	
cis-1,2-Dichloroethene	**4740**	ug/L	40.0	40		06/08/18 16:15	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/07/18 19:47	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	135-98-8	L1
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	98-06-6	L1
trans-1,2-Dichloroethene	**83.6**	ug/L	1.0	1		06/07/18 19:47	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 19:47	10061-02-6	CL,L2
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		06/07/18 19:47	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		06/07/18 19:47	460-00-4	
Toluene-d8 (S)	107	%	69-124	1		06/07/18 19:47	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**401**	mg/L	100	50		06/13/18 01:17	16887-00-6	
Sulfate	**63.5**	mg/L	25.0	5		06/13/18 01:01	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		06/06/18 23:09	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		06/06/18 23:09	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		06/06/18 20:00	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-68 **Lab ID: 7053800008** Collected: 06/05/18 09:38 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**353000**	ug/L	2500	1	06/07/18 09:00	06/08/18 05:40		
Calcium	**141000**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:40	7440-70-2	
Hardness, Magnesium	**103000**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:40		N3
Magnesium	**25100**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:40	7439-95-4	
Potassium	**<5000**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:40	7440-09-7	
Sodium	**129000**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:40	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**456000**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:40		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	79-00-5	L2
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	75-34-3	L2,M0
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	96-12-8	CL,L2, M0
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/08/18 15:54	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/08/18 15:54	78-93-3	CL
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		06/08/18 15:54	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/08/18 15:54	108-10-1	CL,L2
Acetone	**<5.0**	ug/L	5.0	1		06/08/18 15:54	67-64-1	CL
Benzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	74-97-5	L2,M0
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	75-27-4	CL,L2, M0
Bromoform	**<1.0**	ug/L	1.0	1		06/08/18 15:54	75-25-2	CL,L2, M0
Bromomethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	74-83-9	CL,L2, M0
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/08/18 15:54	75-15-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-68 **Lab ID: 7053800008** Collected: 06/05/18 09:38 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/08/18 15:54	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/08/18 15:54	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	74-87-3	CH,M1
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	124-48-1	CL,L2, M0
Dibromomethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	87-68-3	CL,M1
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/08/18 15:54	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		06/08/18 15:54	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/08/18 15:54	75-09-2	
Naphthalene	**1.0**	ug/L	1.0	1		06/08/18 15:54	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		06/08/18 15:54	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		06/08/18 15:54	108-05-4	
Vinyl chloride	**21.9**	ug/L	1.0	1		06/08/18 15:54	75-01-4	M1
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/08/18 15:54	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	10061-01-5	M1
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/08/18 15:54	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	104-51-8	M1
n-Propylbenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	95-47-6	
p-Isopropyltoluene	**1.2**	ug/L	1.0	1		06/08/18 15:54	99-87-6	M1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/08/18 15:54	10061-02-6	L2,M0
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		06/08/18 15:54	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		06/08/18 15:54	460-00-4	
Toluene-d8 (S)	105	%	69-124	1		06/08/18 15:54	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**184**	mg/L	40.0	20		06/13/18 01:34	16887-00-6	
Sulfate	**<5.0**	mg/L	5.0	1		06/12/18 08:22	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		06/06/18 23:11	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		06/06/18 23:11	7727-37-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-68 **Lab ID: 7053800008** Collected: 06/05/18 09:38 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		06/06/18 20:01	14797-65-0	

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-70S **Lab ID: 7053800009** Collected: 06/05/18 12:05 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**475000**	ug/L	2500	1	06/07/18 09:00	06/08/18 05:46		
Calcium	**190000**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:46	7440-70-2	
Hardness, Magnesium	**187000**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:46		N3
Magnesium	**45300**	ug/L	1000	1	06/07/18 09:00	06/08/18 05:46	7439-95-4	
Potassium	**5950**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:46	7440-09-7	
Sodium	**291000**	ug/L	5000	1	06/07/18 09:00	06/08/18 05:46	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**662000**	ug/L	4100	1	06/07/18 09:00	06/08/18 05:46		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	96-12-8	CL,L2
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/07/18 20:27	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/07/18 20:27	78-93-3	CL
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		06/07/18 20:27	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/07/18 20:27	108-10-1	CL
Acetone	**<5.0**	ug/L	5.0	1		06/07/18 20:27	67-64-1	CL
Benzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	74-97-5	CL,L2
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/07/18 20:27	75-25-2	CL,L2
Bromomethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	74-83-9	CL,L2
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/07/18 20:27	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/07/18 20:27	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-70S **Lab ID: 7053800009** Collected: 06/05/18 12:05 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		06/07/18 20:27	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	124-48-1	CL
Dibromomethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	75-71-8	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	87-68-3	CL
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/07/18 20:27	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		06/07/18 20:27	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/07/18 20:27	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 20:27	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		06/07/18 20:27	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/07/18 20:27	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/07/18 20:27	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/07/18 20:27	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	135-98-8	L1
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 20:27	10061-02-6	CL,L2
Surrogates								
1,2-Dichloroethane-d4 (S)	92	%	68-153	1		06/07/18 20:27	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		06/07/18 20:27	460-00-4	
Toluene-d8 (S)	108	%	69-124	1		06/07/18 20:27	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**564**	mg/L	100	50		06/13/18 01:51	16887-00-6	
Sulfate	**32.3**	mg/L	5.0	1		06/12/18 08:39	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**0.14**	mg/L	0.050	1		06/06/18 23:12	14797-55-8	
Nitrate-Nitrite (as N)	**0.14**	mg/L	0.050	1		06/06/18 23:12	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		06/06/18 20:02	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-70D **Lab ID: 7053800010** Collected: 06/05/18 12:14 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**541000**	ug/L	2500	1	06/07/18 09:00	06/08/18 06:31		
Calcium	**217000**	ug/L	1000	1	06/07/18 09:00	06/08/18 06:31	7440-70-2	
Hardness, Magnesium	**168000**	ug/L	4100	1	06/07/18 09:00	06/08/18 06:31		N3
Magnesium	**40800**	ug/L	1000	1	06/07/18 09:00	06/08/18 06:31	7439-95-4	
Potassium	**14100**	ug/L	5000	1	06/07/18 09:00	06/08/18 06:31	7440-09-7	
Sodium	**89300**	ug/L	5000	1	06/07/18 09:00	06/08/18 06:31	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**710000**	ug/L	4100	1	06/07/18 09:00	06/08/18 06:31		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	120-82-1	
1,2,4-Trimethylbenzene	**62.4**	ug/L	1.0	1		06/07/18 20:48	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	96-12-8	CL,L2
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/07/18 20:48	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	95-50-1	
1,2-Dichloroethane	**1.5**	ug/L	1.0	1		06/07/18 20:48	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	78-87-5	
1,3,5-Trimethylbenzene	**1.2**	ug/L	1.0	1		06/07/18 20:48	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/07/18 20:48	78-93-3	CL
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		06/07/18 20:48	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/07/18 20:48	108-10-1	CL
Acetone	**21.5**	ug/L	5.0	1		06/07/18 20:48	67-64-1	CL
Benzene	**50.3**	ug/L	1.0	1		06/07/18 20:48	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	74-97-5	CL,L2
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/07/18 20:48	75-25-2	CL,L2
Bromomethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	74-83-9	CL,L2
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/07/18 20:48	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/07/18 20:48	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	75-00-3	

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: MW-70D **Lab ID: 7053800010** Collected: 06/05/18 12:14 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		06/07/18 20:48	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	124-48-1	CL
Dibromomethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	75-71-8	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	87-68-3	CL
Isopropylbenzene (Cumene)	**7.8**	ug/L	1.0	1		06/07/18 20:48	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		06/07/18 20:48	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/07/18 20:48	75-09-2	
Naphthalene	**1.3**	ug/L	1.0	1		06/07/18 20:48	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 20:48	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		06/07/18 20:48	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/07/18 20:48	75-01-4	
Xylene (Total)	**3.8**	ug/L	3.0	1		06/07/18 20:48	1330-20-7	
cis-1,2-Dichloroethene	**6.4**	ug/L	1.0	1		06/07/18 20:48	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/07/18 20:48	179601-23-1	
n-Butylbenzene	**1.4**	ug/L	1.0	1		06/07/18 20:48	104-51-8	
n-Propylbenzene	**9.2**	ug/L	1.0	1		06/07/18 20:48	103-65-1	
o-Xylene	**2.6**	ug/L	1.0	1		06/07/18 20:48	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	135-98-8	L1
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 20:48	10061-02-6	CL,L2
Surrogates								
1,2-Dichloroethane-d4 (S)	88	%	68-153	1		06/07/18 20:48	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		06/07/18 20:48	460-00-4	
Toluene-d8 (S)	105	%	69-124	1		06/07/18 20:48	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**159**	mg/L	50.0	25		06/13/18 02:08	16887-00-6	
Sulfate	**18.6**	mg/L	5.0	1		06/12/18 08:55	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		06/06/18 23:13	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		06/06/18 23:13	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		06/06/18 20:04	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: DUP X **Lab ID: 7053800011** Collected: 06/05/18 00:00 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**431000**	ug/L	2500	1	06/07/18 09:00	06/08/18 06:36		
Calcium	**173000**	ug/L	1000	1	06/07/18 09:00	06/08/18 06:36	7440-70-2	
Hardness, Magnesium	**115000**	ug/L	4100	1	06/07/18 09:00	06/08/18 06:36		N3
Magnesium	**27800**	ug/L	1000	1	06/07/18 09:00	06/08/18 06:36	7439-95-4	
Potassium	**5420**	ug/L	5000	1	06/07/18 09:00	06/08/18 06:36	7440-09-7	
Sodium	**172000**	ug/L	5000	1	06/07/18 09:00	06/08/18 06:36	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**546000**	ug/L	4100	1	06/07/18 09:00	06/08/18 06:36		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	75-34-3	
1,1-Dichloroethene	**3.2**	ug/L	1.0	1		06/07/18 21:08	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	96-12-8	CL,L2
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/07/18 21:08	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/07/18 21:08	78-93-3	CL
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		06/07/18 21:08	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/07/18 21:08	108-10-1	CL
Acetone	**<5.0**	ug/L	5.0	1		06/07/18 21:08	67-64-1	CL
Benzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	74-97-5	CL,L2
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/07/18 21:08	75-25-2	CL,L2
Bromomethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	74-83-9	CL,L2
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/07/18 21:08	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/07/18 21:08	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: DUP X **Lab ID: 7053800011** Collected: 06/05/18 00:00 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		06/07/18 21:08	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	124-48-1	CL
Dibromomethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	75-71-8	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	87-68-3	CL
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/07/18 21:08	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		06/07/18 21:08	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/07/18 21:08	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	108-88-3	
Trichloroethene	**98.7**	ug/L	1.0	1		06/07/18 21:08	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 21:08	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		06/07/18 21:08	108-05-4	
Vinyl chloride	**19.7**	ug/L	1.0	1		06/07/18 21:08	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/07/18 21:08	1330-20-7	
cis-1,2-Dichloroethene	**427**	ug/L	5.0	5		06/08/18 17:55	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/07/18 21:08	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	135-98-8	L1
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	98-06-6	L1
trans-1,2-Dichloroethene	**8.0**	ug/L	1.0	1		06/07/18 21:08	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 21:08	10061-02-6	CL,L2
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		06/07/18 21:08	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		06/07/18 21:08	460-00-4	
Toluene-d8 (S)	107	%	69-124	1		06/07/18 21:08	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**331**	mg/L	50.0	25		06/13/18 02:41	16887-00-6	
Sulfate	**78.8**	mg/L	25.0	5		06/13/18 02:24	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		06/06/18 23:14	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		06/06/18 23:14	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		06/06/18 20:05	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: TRIP BLANK **Lab ID: 7053800012** Collected: 06/05/18 00:00 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	96-12-8	CL,L2
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/07/18 17:26	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/07/18 17:26	78-93-3	CL
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		06/07/18 17:26	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/07/18 17:26	108-10-1	CL
Acetone	**<5.0**	ug/L	5.0	1		06/07/18 17:26	67-64-1	CL
Benzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	74-97-5	CL,L2
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/07/18 17:26	75-25-2	CL,L2
Bromomethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	74-83-9	CL,L2
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/07/18 17:26	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/07/18 17:26	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/07/18 17:26	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	124-48-1	CL
Dibromomethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	75-71-8	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	87-68-3	CL
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/07/18 17:26	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		06/07/18 17:26	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/07/18 17:26	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Sample: TRIP BLANK **Lab ID: 7053800012** Collected: 06/05/18 00:00 Received: 06/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Naphthalene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		06/07/18 17:26	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		06/07/18 17:26	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/07/18 17:26	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/07/18 17:26	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		06/07/18 17:26	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	135-98-8	L1
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/07/18 17:26	10061-02-6	CL,L2
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	68-153	1		06/07/18 17:26	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		06/07/18 17:26	460-00-4	
Toluene-d8 (S)	107	%	69-124	1		06/07/18 17:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

QC Batch: 70524 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7053800001, 7053800002, 7053800003, 7053800004, 7053800005, 7053800006, 7053800007, 7053800008, 7053800009, 7053800010, 7053800011

METHOD BLANK: 323366 Matrix: Water
Associated Lab Samples: 7053800001, 7053800002, 7053800003, 7053800004, 7053800005, 7053800006, 7053800007, 7053800008, 7053800009, 7053800010, 7053800011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	<2500	2500	06/08/18 04:55	
Calcium	ug/L	<1000	1000	06/08/18 04:55	
Hardness, Magnesium	ug/L	<4100	4100	06/08/18 04:55	N3
Magnesium	ug/L	<1000	1000	06/08/18 04:55	
Potassium	ug/L	<5000	5000	06/08/18 04:55	
Sodium	ug/L	<5000	5000	06/08/18 04:55	
Tot Hardness asCaCO3 (SM 2340B	ug/L	<4100	4100	06/08/18 04:55	

LABORATORY CONTROL SAMPLE: 323367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L		59300			
Calcium	ug/L	25000	23800	95	85-115	
Hardness, Magnesium	ug/L		97000			N3
Magnesium	ug/L	25000	23600	94	85-115	
Potassium	ug/L	50000	47000	94	85-115	
Sodium	ug/L	50000	47000	94	85-115	
Tot Hardness asCaCO3 (SM 2340B	ug/L		156000			

MATRIX SPIKE SAMPLE: 323369

Parameter	Units	7053800006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	684000		720000			
Calcium	ug/L	274000	25000	288000	58	70-130	M1
Hardness, Magnesium	ug/L	240000		331000			N3
Magnesium	ug/L	58300	25000	80500	89	70-130	
Potassium	ug/L	7800	50000	62600	110	70-130	
Sodium	ug/L	431000	50000	452000	42	70-130	M1
Tot Hardness asCaCO3 (SM 2340B	ug/L	924000		1050000			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

SAMPLE DUPLICATE: 323368

Parameter	Units	7053800006 Result	Dup Result	RPD	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	684000	686000	0	
Calcium	ug/L	274000	275000	0	
Hardness, Magnesium	ug/L	240000	241000	0	N3
Magnesium	ug/L	58300	58400	0	
Potassium	ug/L	7800	7960	2	
Sodium	ug/L	431000	431000	0	
Tot Hardness asCaCO3 (SM 2340B	ug/L	924000	927000	0	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

QC Batch: 70545 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7053800001, 7053800002, 7053800003, 7053800004, 7053800005, 7053800006, 7053800007, 7053800009, 7053800010, 7053800011, 7053800012

METHOD BLANK: 323482 Matrix: Water
Associated Lab Samples: 7053800001, 7053800002, 7053800003, 7053800004, 7053800005, 7053800006, 7053800007, 7053800009, 7053800010, 7053800011, 7053800012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	06/07/18 14:06	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/07/18 14:06	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	06/07/18 14:06	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	06/07/18 14:06	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/07/18 14:06	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/07/18 14:06	
1,1-Dichloropropene	ug/L	<1.0	1.0	06/07/18 14:06	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	06/07/18 14:06	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	06/07/18 14:06	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	06/07/18 14:06	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	06/07/18 14:06	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	06/07/18 14:06	CL
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	06/07/18 14:06	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	06/07/18 14:06	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/07/18 14:06	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/07/18 14:06	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	06/07/18 14:06	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	06/07/18 14:06	
1,3-Dichloropropane	ug/L	<1.0	1.0	06/07/18 14:06	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	06/07/18 14:06	
2,2-Dichloropropane	ug/L	<1.0	1.0	06/07/18 14:06	
2-Butanone (MEK)	ug/L	<5.0	5.0	06/07/18 14:06	CL
2-Chlorotoluene	ug/L	<1.0	1.0	06/07/18 14:06	
2-Hexanone	ug/L	<5.0	5.0	06/07/18 14:06	
4-Chlorotoluene	ug/L	<1.0	1.0	06/07/18 14:06	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	06/07/18 14:06	CL
Acetone	ug/L	<5.0	5.0	06/07/18 14:06	CL
Benzene	ug/L	<1.0	1.0	06/07/18 14:06	
Bromobenzene	ug/L	<1.0	1.0	06/07/18 14:06	
Bromochloromethane	ug/L	<1.0	1.0	06/07/18 14:06	CL
Bromodichloromethane	ug/L	<1.0	1.0	06/07/18 14:06	
Bromoform	ug/L	<1.0	1.0	06/07/18 14:06	CL
Bromomethane	ug/L	<1.0	1.0	06/07/18 14:06	CL
Carbon disulfide	ug/L	<1.0	1.0	06/07/18 14:06	
Carbon tetrachloride	ug/L	<1.0	1.0	06/07/18 14:06	
Chlorobenzene	ug/L	<1.0	1.0	06/07/18 14:06	
Chloroethane	ug/L	<1.0	1.0	06/07/18 14:06	
Chloroform	ug/L	<1.0	1.0	06/07/18 14:06	
Chloromethane	ug/L	<1.0	1.0	06/07/18 14:06	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	06/07/18 14:06	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

METHOD BLANK: 323482 Matrix: Water

Associated Lab Samples: 7053800001, 7053800002, 7053800003, 7053800004, 7053800005, 7053800006, 7053800007, 7053800009, 7053800010, 7053800011, 7053800012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	06/07/18 14:06	
Dibromochloromethane	ug/L	<1.0	1.0	06/07/18 14:06	CL
Dibromomethane	ug/L	<1.0	1.0	06/07/18 14:06	
Dichlorodifluoromethane	ug/L	<1.0	1.0	06/07/18 14:06	CL
Ethylbenzene	ug/L	<1.0	1.0	06/07/18 14:06	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	06/07/18 14:06	CL
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	06/07/18 14:06	
m&p-Xylene	ug/L	<2.0	2.0	06/07/18 14:06	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	06/07/18 14:06	
Methylene Chloride	ug/L	<1.0	1.0	06/07/18 14:06	
n-Butylbenzene	ug/L	<1.0	1.0	06/07/18 14:06	
n-Propylbenzene	ug/L	<1.0	1.0	06/07/18 14:06	
Naphthalene	ug/L	<1.0	1.0	06/07/18 14:06	
o-Xylene	ug/L	<1.0	1.0	06/07/18 14:06	
p-Isopropyltoluene	ug/L	<1.0	1.0	06/07/18 14:06	
sec-Butylbenzene	ug/L	<1.0	1.0	06/07/18 14:06	
Styrene	ug/L	<1.0	1.0	06/07/18 14:06	
tert-Butylbenzene	ug/L	<1.0	1.0	06/07/18 14:06	
Tetrachloroethene	ug/L	<1.0	1.0	06/07/18 14:06	
Toluene	ug/L	<1.0	1.0	06/07/18 14:06	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	06/07/18 14:06	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	06/07/18 14:06	CL
Trichloroethene	ug/L	<1.0	1.0	06/07/18 14:06	
Trichlorofluoromethane	ug/L	<1.0	1.0	06/07/18 14:06	
Vinyl acetate	ug/L	<1.0	1.0	06/07/18 14:06	
Vinyl chloride	ug/L	<1.0	1.0	06/07/18 14:06	
Xylene (Total)	ug/L	<3.0	3.0	06/07/18 14:06	
1,2-Dichloroethane-d4 (S)	%	86	68-153	06/07/18 14:06	
4-Bromofluorobenzene (S)	%	102	79-124	06/07/18 14:06	
Toluene-d8 (S)	%	106	69-124	06/07/18 14:06	

LABORATORY CONTROL SAMPLE: 323483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.6	103	74-113	
1,1,1-Trichloroethane	ug/L	50	48.9	98	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	46.1	92	74-121	
1,1,2-Trichloroethane	ug/L	50	43.2	86	80-117	
1,1-Dichloroethane	ug/L	50	46.8	94	83-151	
1,1-Dichloroethene	ug/L	50	54.5	109	45-146	
1,1-Dichloropropene	ug/L	50	48.4	97	59-127	
1,2,3-Trichlorobenzene	ug/L	50	45.4	91	67-103	
1,2,3-Trichloropropane	ug/L	50	43.9	88	71-123	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

LABORATORY CONTROL SAMPLE: 323483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	49.3	99	66-116	
1,2,4-Trimethylbenzene	ug/L	50	53.5	107	68-116	
1,2-Dibromo-3-chloropropane	ug/L	50	29.6	59	74-119	CL,L2
1,2-Dibromoethane (EDB)	ug/L	50	46.3	93	83-115	
1,2-Dichlorobenzene	ug/L	50	50.1	100	74-113	
1,2-Dichloroethane	ug/L	50	43.9	88	74-129	
1,2-Dichloropropane	ug/L	50	44.3	89	75-117	
1,3,5-Trimethylbenzene	ug/L	50	53.2	106	67-116	
1,3-Dichlorobenzene	ug/L	50	51.5	103	71-112	
1,3-Dichloropropane	ug/L	50	46.9	94	74-112	
1,4-Dichlorobenzene	ug/L	50	51.1	102	71-113	
2,2-Dichloropropane	ug/L	50	57.4	115	63-133	
2-Butanone (MEK)	ug/L	50	31.7	63	44-162	CL
2-Chlorotoluene	ug/L	50	50.9	102	74-101	L1
2-Hexanone	ug/L	50	38.7	77	32-183	
4-Chlorotoluene	ug/L	50	51.1	102	74-101	L1
4-Methyl-2-pentanone (MIBK)	ug/L	50	35.9	72	69-132	CL
Acetone	ug/L	50	25.5	51	23-188	CL
Benzene	ug/L	50	48.7	97	73-119	
Bromobenzene	ug/L	50	51.2	102	72-102	
Bromochloromethane	ug/L	50	39.4	79	81-116	CL,L2
Bromodichloromethane	ug/L	50	39.9	80	78-117	
Bromoform	ug/L	50	20.3	41	65-122	CL,L2
Bromomethane	ug/L	50	24.1	48	52-147	CL,L2
Carbon disulfide	ug/L	50	40.5	81	41-144	
Carbon tetrachloride	ug/L	50	50.3	101	59-120	
Chlorobenzene	ug/L	50	51.6	103	75-113	
Chloroethane	ug/L	50	51.0	102	49-151	
Chloroform	ug/L	50	47.1	94	72-122	
Chloromethane	ug/L	50	62.5	125	46-144	
cis-1,2-Dichloroethene	ug/L	50	50.5	101	72-121	
cis-1,3-Dichloropropene	ug/L	50	45.9	92	78-116	
Dibromochloromethane	ug/L	50	34.9	70	70-120	CL
Dibromomethane	ug/L	50	44.0	88	75-125	
Dichlorodifluoromethane	ug/L	50	31.9	64	22-154	CL
Ethylbenzene	ug/L	50	54.2	108	70-113	
Hexachloro-1,3-butadiene	ug/L	50	35.9	72	59-121	CL
Isopropylbenzene (Cumene)	ug/L	50	53.6	107	67-115	
m&p-Xylene	ug/L	100	107	107	72-115	
Methyl-tert-butyl ether	ug/L	50	45.8	92	72-131	
Methylene Chloride	ug/L	50	48.7	97	61-142	
n-Butylbenzene	ug/L	50	50.0	100	73-107	
n-Propylbenzene	ug/L	50	52.8	106	68-116	
Naphthalene	ug/L	50	42.3	85	70-118	
o-Xylene	ug/L	50	53.4	107	73-117	
p-Isopropyltoluene	ug/L	50	53.4	107	73-101	L1
sec-Butylbenzene	ug/L	50	53.6	107	72-103	L1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

LABORATORY CONTROL SAMPLE: 323483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/L	50	54.2	108	72-118	
tert-Butylbenzene	ug/L	50	52.7	105	68-100	L1
Tetrachloroethene	ug/L	50	52.5	105	60-128	
Toluene	ug/L	50	49.3	99	72-119	
trans-1,2-Dichloroethene	ug/L	50	49.3	99	56-142	
trans-1,3-Dichloropropene	ug/L	50	39.1	78	79-116	CL,L2
Trichloroethene	ug/L	50	55.2	110	69-117	
Trichlorofluoromethane	ug/L	50	46.7	93	27-173	
Vinyl acetate	ug/L	50	45.8	92	20-158	
Vinyl chloride	ug/L	50	41.5	83	43-143	
Xylene (Total)	ug/L	150	161	107	71-109	
1,2-Dichloroethane-d4 (S)	%			87	68-153	
4-Bromofluorobenzene (S)	%			102	79-124	
Toluene-d8 (S)	%			108	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 323484 323485

Parameter	Units	7053800006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	50	48.7	46.6	97	93	74-113	4	
1,1,1-Trichloroethane	ug/L	<1.0	50	50	46.6	43.9	93	88	65-118	6	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	46.3	43.8	93	88	74-121	6	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	47.7	44.5	95	89	80-117	7	
1,1-Dichloroethane	ug/L	<1.0	50	50	42.9	40.5	86	81	83-151	6	M1
1,1-Dichloroethene	ug/L	1.3	50	50	49.9	46.9	97	91	45-146	6	
1,1-Dichloropropene	ug/L	<1.0	50	50	45.0	42.4	90	85	59-127	6	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	45.1	43.3	90	87	67-103	4	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	44.3	42.4	89	85	71-123	4	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	47.7	44.8	95	90	66-116	6	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50	49.8	46.8	100	94	68-116	6	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	27.5	27.1	55	54	74-119	2	CL,M0
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	45.9	43.1	92	86	83-115	6	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	48.1	45.0	96	90	74-113	7	
1,2-Dichloroethane	ug/L	<1.0	50	50	42.8	40.7	86	81	74-129	5	
1,2-Dichloropropane	ug/L	<1.0	50	50	42.3	39.4	85	79	75-117	7	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50	49.0	46.6	98	93	67-116	5	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	48.9	45.1	98	90	71-112	8	
1,3-Dichloropropane	ug/L	<1.0	50	50	45.4	43.6	91	87	74-112	4	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	48.4	45.8	97	92	71-113	6	
2,2-Dichloropropane	ug/L	<1.0	50	50	51.6	48.9	103	98	63-133	5	
2-Butanone (MEK)	ug/L	<5.0	50	50	31.4	30.0	63	60	44-162	4	CL
2-Chlorotoluene	ug/L	<1.0	50	50	47.7	44.6	95	89	74-101	7	
2-Hexanone	ug/L	<5.0	50	50	40.7	39.6	81	79	32-183	3	
4-Chlorotoluene	ug/L	<1.0	50	50	47.2	44.4	94	89	74-101	6	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	38.1	36.6	76	73	69-132	4	CL

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 323484 323485

Parameter	Units	7053800006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Acetone	ug/L	<5.0	50	50	26.1	25.1	52	50	23-188	4	CL
Benzene	ug/L	<1.0	50	50	45.6	43.0	91	86	73-119	6	
Bromobenzene	ug/L	<1.0	50	50	49.1	46.9	98	94	72-102	5	
Bromochloromethane	ug/L	<1.0	50	50	37.9	36.0	76	72	81-116	5	CL,M0
Bromodichloromethane	ug/L	<1.0	50	50	38.1	35.8	76	72	78-117	6	M1
Bromoform	ug/L	<1.0	50	50	18.4	18.4	37	37	65-122	0	CL,M0
Bromomethane	ug/L	<1.0	50	50	22.1	22.0	44	44	52-147	1	CL,M0
Carbon disulfide	ug/L	<1.0	50	50	37.4	35.0	75	70	41-144	7	
Carbon tetrachloride	ug/L	<1.0	50	50	47.8	44.3	96	89	59-120	8	
Chlorobenzene	ug/L	<1.0	50	50	49.5	46.8	99	94	75-113	6	
Chloroethane	ug/L	<1.0	50	50	45.3	43.2	91	86	49-151	5	
Chloroform	ug/L	<1.0	50	50	43.7	42.6	87	85	72-122	3	
Chloromethane	ug/L	<1.0	50	50	53.7	52.2	107	104	46-144	3	
cis-1,2-Dichloroethene	ug/L	235	50	50	283	285	95	100	72-121	1	E
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	43.5	41.7	87	83	78-116	4	
Dibromochloromethane	ug/L	<1.0	50	50	32.0	30.7	64	61	70-120	4	CL,M1
Dibromomethane	ug/L	<1.0	50	50	44.4	41.3	89	83	75-125	7	
Dichlorodifluoromethane	ug/L	<1.0	50	50	24.9	24.3	50	49	22-154	2	CL
Ethylbenzene	ug/L	<1.0	50	50	50.0	47.9	100	96	70-113	4	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	32.0	31.7	64	63	59-121	1	CL
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	50.1	47.2	100	94	67-115	6	
m&p-Xylene	ug/L	<2.0	100	100	102	96.3	102	96	72-115	5	
Methyl-tert-butyl ether	ug/L	<1.0	50	50	44.7	43.0	89	86	72-131	4	
Methylene Chloride	ug/L	<1.0	50	50	46.0	43.4	92	87	61-142	6	
n-Butylbenzene	ug/L	<1.0	50	50	45.3	43.0	91	86	73-107	5	
n-Propylbenzene	ug/L	<1.0	50	50	48.3	45.2	97	90	68-116	7	
Naphthalene	ug/L	<1.0	50	50	44.1	41.2	88	82	70-118	7	
o-Xylene	ug/L	<1.0	50	50	50.1	47.9	100	96	73-117	4	
p-Isopropyltoluene	ug/L	<1.0	50	50	48.8	46.0	98	92	73-101	6	
sec-Butylbenzene	ug/L	<1.0	50	50	49.1	46.5	98	93	72-103	5	
Styrene	ug/L	<1.0	50	50	51.4	48.8	103	98	72-118	5	
tert-Butylbenzene	ug/L	<1.0	50	50	49.3	46.9	99	94	68-100	5	
Tetrachloroethene	ug/L	188	50	50	227	229	77	83	60-128	1	E
Toluene	ug/L	<1.0	50	50	46.6	43.5	93	87	72-119	7	
trans-1,2-Dichloroethene	ug/L	1.4	50	50	46.3	44.7	90	87	56-142	4	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	37.3	35.3	75	71	79-116	5	CL,M0
Trichloroethene	ug/L	107	50	50	155	151	96	89	69-117	2	
Trichlorofluoromethane	ug/L	<1.0	50	50	42.0	39.7	84	79	27-173	6	
Vinyl acetate	ug/L	<1.0	50	50	42.9	41.5	86	83	20-158	3	
Vinyl chloride	ug/L	15.9	50	50	51.3	49.6	71	67	43-143	3	
Xylene (Total)	ug/L	<3.0	150	150	152	144	101	96	71-109	5	
1,2-Dichloroethane-d4 (S)	%						90	90	68-153		
4-Bromofluorobenzene (S)	%						103	103	79-124		
Toluene-d8 (S)	%						108	109	69-124		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

QC Batch: 70715 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7053800008

METHOD BLANK: 324506 Matrix: Water
Associated Lab Samples: 7053800008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	06/08/18 13:49	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/08/18 13:49	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	06/08/18 13:49	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	06/08/18 13:49	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/08/18 13:49	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/08/18 13:49	
1,1-Dichloropropene	ug/L	<1.0	1.0	06/08/18 13:49	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	06/08/18 13:49	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	06/08/18 13:49	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	06/08/18 13:49	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	06/08/18 13:49	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	06/08/18 13:49	CL
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	06/08/18 13:49	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	06/08/18 13:49	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/08/18 13:49	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/08/18 13:49	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	06/08/18 13:49	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	06/08/18 13:49	
1,3-Dichloropropane	ug/L	<1.0	1.0	06/08/18 13:49	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	06/08/18 13:49	
2,2-Dichloropropane	ug/L	<1.0	1.0	06/08/18 13:49	
2-Butanone (MEK)	ug/L	<5.0	5.0	06/08/18 13:49	CL
2-Chlorotoluene	ug/L	<1.0	1.0	06/08/18 13:49	
2-Hexanone	ug/L	<5.0	5.0	06/08/18 13:49	
4-Chlorotoluene	ug/L	<1.0	1.0	06/08/18 13:49	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	06/08/18 13:49	CL
Acetone	ug/L	<5.0	5.0	06/08/18 13:49	CL
Benzene	ug/L	<1.0	1.0	06/08/18 13:49	
Bromobenzene	ug/L	<1.0	1.0	06/08/18 13:49	
Bromochloromethane	ug/L	<1.0	1.0	06/08/18 13:49	
Bromodichloromethane	ug/L	<1.0	1.0	06/08/18 13:49	CL
Bromoform	ug/L	<1.0	1.0	06/08/18 13:49	CL
Bromomethane	ug/L	<1.0	1.0	06/08/18 13:49	CL
Carbon disulfide	ug/L	<1.0	1.0	06/08/18 13:49	CL
Carbon tetrachloride	ug/L	<1.0	1.0	06/08/18 13:49	
Chlorobenzene	ug/L	<1.0	1.0	06/08/18 13:49	
Chloroethane	ug/L	<1.0	1.0	06/08/18 13:49	
Chloroform	ug/L	<1.0	1.0	06/08/18 13:49	
Chloromethane	ug/L	<1.0	1.0	06/08/18 13:49	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	06/08/18 13:49	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	06/08/18 13:49	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

METHOD BLANK: 324506 Matrix: Water
Associated Lab Samples: 7053800008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<1.0	1.0	06/08/18 13:49	CL
Dibromomethane	ug/L	<1.0	1.0	06/08/18 13:49	
Dichlorodifluoromethane	ug/L	<1.0	1.0	06/08/18 13:49	
Ethylbenzene	ug/L	<1.0	1.0	06/08/18 13:49	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	06/08/18 13:49	CL
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	06/08/18 13:49	
m&p-Xylene	ug/L	<2.0	2.0	06/08/18 13:49	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	06/08/18 13:49	
Methylene Chloride	ug/L	<1.0	1.0	06/08/18 13:49	
n-Butylbenzene	ug/L	<1.0	1.0	06/08/18 13:49	
n-Propylbenzene	ug/L	<1.0	1.0	06/08/18 13:49	
Naphthalene	ug/L	<1.0	1.0	06/08/18 13:49	
o-Xylene	ug/L	<1.0	1.0	06/08/18 13:49	
p-Isopropyltoluene	ug/L	<1.0	1.0	06/08/18 13:49	
sec-Butylbenzene	ug/L	<1.0	1.0	06/08/18 13:49	
Styrene	ug/L	<1.0	1.0	06/08/18 13:49	
tert-Butylbenzene	ug/L	<1.0	1.0	06/08/18 13:49	
Tetrachloroethene	ug/L	<1.0	1.0	06/08/18 13:49	
Toluene	ug/L	<1.0	1.0	06/08/18 13:49	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	06/08/18 13:49	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	06/08/18 13:49	
Trichloroethene	ug/L	<1.0	1.0	06/08/18 13:49	
Trichlorofluoromethane	ug/L	<1.0	1.0	06/08/18 13:49	
Vinyl acetate	ug/L	<1.0	1.0	06/08/18 13:49	
Vinyl chloride	ug/L	<1.0	1.0	06/08/18 13:49	
Xylene (Total)	ug/L	<3.0	3.0	06/08/18 13:49	
1,2-Dichloroethane-d4 (S)	%	90	68-153	06/08/18 13:49	
4-Bromofluorobenzene (S)	%	104	79-124	06/08/18 13:49	
Toluene-d8 (S)	%	106	69-124	06/08/18 13:49	

LABORATORY CONTROL SAMPLE: 324507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.1	92	74-113	
1,1,1-Trichloroethane	ug/L	50	43.1	86	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	40.7	81	74-121	
1,1,2-Trichloroethane	ug/L	50	39.5	79	80-117	L2
1,1-Dichloroethane	ug/L	50	40.0	80	83-151	L2
1,1-Dichloroethene	ug/L	50	45.6	91	45-146	
1,1-Dichloropropene	ug/L	50	41.6	83	59-127	
1,2,3-Trichlorobenzene	ug/L	50	39.7	79	67-103	
1,2,3-Trichloropropane	ug/L	50	40.0	80	71-123	
1,2,4-Trichlorobenzene	ug/L	50	44.3	89	66-116	
1,2,4-Trimethylbenzene	ug/L	50	46.9	94	68-116	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

LABORATORY CONTROL SAMPLE: 324507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	25.1	50	74-119	CL,L2
1,2-Dibromoethane (EDB)	ug/L	50	42.1	84	83-115	
1,2-Dichlorobenzene	ug/L	50	44.5	89	74-113	
1,2-Dichloroethane	ug/L	50	39.4	79	74-129	
1,2-Dichloropropane	ug/L	50	38.2	76	75-117	
1,3,5-Trimethylbenzene	ug/L	50	46.7	93	67-116	
1,3-Dichlorobenzene	ug/L	50	45.2	90	71-112	
1,3-Dichloropropane	ug/L	50	40.9	82	74-112	
1,4-Dichlorobenzene	ug/L	50	45.8	92	71-113	
2,2-Dichloropropane	ug/L	50	52.3	105	63-133	
2-Butanone (MEK)	ug/L	50	29.4	59	44-162	CL
2-Chlorotoluene	ug/L	50	44.8	90	74-101	
2-Hexanone	ug/L	50	36.4	73	32-183	
4-Chlorotoluene	ug/L	50	44.7	89	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	32.6	65	69-132	CL,L2
Acetone	ug/L	50	25.0	50	23-188	CL
Benzene	ug/L	50	42.1	84	73-119	
Bromobenzene	ug/L	50	46.9	94	72-102	
Bromochloromethane	ug/L	50	36.9	74	81-116	L2
Bromodichloromethane	ug/L	50	34.5	69	78-117	CL,L2
Bromoform	ug/L	50	18.0	36	65-122	CL,L2
Bromomethane	ug/L	50	20.7	41	52-147	CL,L2
Carbon disulfide	ug/L	50	34.5	69	41-144	
Carbon tetrachloride	ug/L	50	44.9	90	59-120	
Chlorobenzene	ug/L	50	46.2	92	75-113	
Chloroethane	ug/L	50	39.7	79	49-151	
Chloroform	ug/L	50	41.1	82	72-122	
Chloromethane	ug/L	50	47.8	96	46-144	CH
cis-1,2-Dichloroethene	ug/L	50	43.9	88	72-121	
cis-1,3-Dichloropropene	ug/L	50	41.3	83	78-116	
Dibromochloromethane	ug/L	50	30.9	62	70-120	CL,L2
Dibromomethane	ug/L	50	39.9	80	75-125	
Dichlorodifluoromethane	ug/L	50	19.7	39	22-154	
Ethylbenzene	ug/L	50	48.0	96	70-113	
Hexachloro-1,3-butadiene	ug/L	50	30.1	60	59-121	CL
Isopropylbenzene (Cumene)	ug/L	50	47.4	95	67-115	
m&p-Xylene	ug/L	100	96.2	96	72-115	
Methyl-tert-butyl ether	ug/L	50	39.8	80	72-131	
Methylene Chloride	ug/L	50	41.8	84	61-142	
n-Butylbenzene	ug/L	50	41.6	83	73-107	
n-Propylbenzene	ug/L	50	46.0	92	68-116	
Naphthalene	ug/L	50	39.0	78	70-118	
o-Xylene	ug/L	50	47.4	95	73-117	
p-Isopropyltoluene	ug/L	50	45.8	92	73-101	
sec-Butylbenzene	ug/L	50	45.9	92	72-103	
Styrene	ug/L	50	48.9	98	72-118	
tert-Butylbenzene	ug/L	50	46.4	93	68-100	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

LABORATORY CONTROL SAMPLE: 324507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	47.4	95	60-128	
Toluene	ug/L	50	43.0	86	72-119	
trans-1,2-Dichloroethene	ug/L	50	42.8	86	56-142	
trans-1,3-Dichloropropene	ug/L	50	35.2	70	79-116	L2
Trichloroethene	ug/L	50	47.8	96	69-117	
Trichlorofluoromethane	ug/L	50	39.6	79	27-173	
Vinyl acetate	ug/L	50	41.8	84	20-158	
Vinyl chloride	ug/L	50	31.1	62	43-143	
Xylene (Total)	ug/L	150	144	96	71-109	
1,2-Dichloroethane-d4 (S)	%			88	68-153	
4-Bromofluorobenzene (S)	%			102	79-124	
Toluene-d8 (S)	%			106	69-124	

MATRIX SPIKE SAMPLE: 324694

Parameter	Units	7053800008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	42.0	84	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	35.1	70	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	45.5	91	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	40.9	82	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	38.3	77	83-151	M0
1,1-Dichloroethene	ug/L	<1.0	50	36.1	72	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	32.9	66	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	37.9	76	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	43.4	87	71-123	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	38.9	78	66-116	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	39.5	79	68-116	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	28.3	57	74-119	CL,M0
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	43.9	88	83-115	
1,2-Dichlorobenzene	ug/L	<1.0	50	39.8	80	74-113	
1,2-Dichloroethane	ug/L	<1.0	50	41.5	83	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	38.8	78	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	38.2	76	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	38.9	78	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	42.1	84	74-112	
1,4-Dichlorobenzene	ug/L	<1.0	50	38.5	77	71-113	
2,2-Dichloropropane	ug/L	<1.0	50	40.4	81	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	34.1	68	44-162	CL
2-Chlorotoluene	ug/L	<1.0	50	37.8	76	74-101	
2-Hexanone	ug/L	<5.0	50	43.2	86	32-183	
4-Chlorotoluene	ug/L	<1.0	50	38.0	76	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	39.6	79	69-132	CL
Acetone	ug/L	<5.0	50	29.0	58	23-188	CL
Benzene	ug/L	<1.0	50	38.8	78	73-119	
Bromobenzene	ug/L	<1.0	50	42.0	84	72-102	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

MATRIX SPIKE SAMPLE: 324694

Parameter	Units	7053800008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	ug/L	<1.0	50	38.6	77	81-116	M0
Bromodichloromethane	ug/L	<1.0	50	33.9	68	78-117	CL,M0
Bromoform	ug/L	<1.0	50	16.1	32	65-122	CL,M0
Bromomethane	ug/L	<1.0	50	12.7	25	52-147	CL,M0
Carbon disulfide	ug/L	<1.0	50	28.0	56	41-144	
Carbon tetrachloride	ug/L	<1.0	50	32.7	65	59-120	
Chlorobenzene	ug/L	<1.0	50	39.3	79	75-113	
Chloroethane	ug/L	<1.0	50	35.7	71	49-151	
Chloroform	ug/L	<1.0	50	39.9	80	72-122	
Chloromethane	ug/L	<1.0	50	21.8	44	46-144	CH,M1
cis-1,2-Dichloroethene	ug/L	<1.0	50	42.5	85	72-121	
cis-1,3-Dichloropropene	ug/L	<1.0	50	37.0	74	78-116	M1
Dibromochloromethane	ug/L	<1.0	50	28.1	56	70-120	CL,M0
Dibromomethane	ug/L	<1.0	50	41.7	83	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	12.5	25	22-154	
Ethylbenzene	ug/L	<1.0	50	38.6	77	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	25.0	50	59-121	CL,M1
Isopropylbenzene (Cumene)	ug/L	<1.0	50	38.2	76	67-115	
m&p-Xylene	ug/L	<2.0	100	79.2	79	72-115	
Methyl-tert-butyl ether	ug/L	<1.0	50	44.9	90	72-131	
Methylene Chloride	ug/L	<1.0	50	39.3	79	61-142	
n-Butylbenzene	ug/L	<1.0	50	33.5	67	73-107	M1
n-Propylbenzene	ug/L	<1.0	50	36.8	74	68-116	
Naphthalene	ug/L	1.0	50	41.9	82	70-118	
o-Xylene	ug/L	<1.0	50	40.0	80	73-117	
p-Isopropyltoluene	ug/L	1.2	50	36.0	69	73-101	M1
sec-Butylbenzene	ug/L	<1.0	50	35.9	72	72-103	
Styrene	ug/L	<1.0	50	42.1	84	72-118	
tert-Butylbenzene	ug/L	<1.0	50	36.8	74	68-100	
Tetrachloroethene	ug/L	<1.0	50	34.8	70	60-128	
Toluene	ug/L	<1.0	50	37.9	76	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	37.7	75	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	32.5	65	79-116	M0
Trichloroethene	ug/L	<1.0	50	41.0	82	69-117	
Trichlorofluoromethane	ug/L	<1.0	50	27.7	55	27-173	
Vinyl acetate	ug/L	<1.0	50	44.0	88	20-158	
Vinyl chloride	ug/L	21.9	50	39.1	35	43-143	M1
Xylene (Total)	ug/L	<3.0	150	119	79	71-109	
1,2-Dichloroethane-d4 (S)	%				88	68-153	
4-Bromofluorobenzene (S)	%				103	79-124	
Toluene-d8 (S)	%				105	69-124	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

SAMPLE DUPLICATE: 324865

Parameter	Units	7053490008 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,4-Trimethylbenzene	ug/L	33.6	33.1	2	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	<1.0		CL
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichlorobenzene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	12.8	13.4	5	
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	<1.0		
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		CL
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		CL
Acetone	ug/L	7.4	8.1	9	CL
Benzene	ug/L	7.6	8.2	7	
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		CL
Bromoform	ug/L	<1.0	<1.0		CL
Bromomethane	ug/L	<1.0	<1.0		CL
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		CL
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	29.5	31.7	7	
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		CL
Isopropylbenzene (Cumene)	ug/L	3.0	3.0	1	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

SAMPLE DUPLICATE: 324865

Parameter	Units	7053490008 Result	Dup Result	RPD	Qualifiers
m&p-Xylene	ug/L	87.9	93.9	7	
Methyl-tert-butyl ether	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	2.6	2.3	14	
n-Propylbenzene	ug/L	6.9	6.6	5	
Naphthalene	ug/L	12.2	10.6	14	
o-Xylene	ug/L	37.7	40.8	8	
p-Isopropyltoluene	ug/L	1.5	1.3	14	
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	9.5	9.4	1	
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Trichlorofluoromethane	ug/L	<1.0	<1.0		
Vinyl acetate	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	126	135	7	
1,2-Dichloroethane-d4 (S)	%	93	93	1	
4-Bromofluorobenzene (S)	%	97	100	3	
Toluene-d8 (S)	%	103	104	2	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

QC Batch: 71022 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 7053800001, 7053800002, 7053800003, 7053800004, 7053800005, 7053800006

METHOD BLANK: 325968 Matrix: Water
Associated Lab Samples: 7053800001, 7053800002, 7053800003, 7053800004, 7053800005, 7053800006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	06/11/18 23:10	
Sulfate	mg/L	<5.0	5.0	06/11/18 23:10	

LABORATORY CONTROL SAMPLE: 325969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.5	105	90-110	
Sulfate	mg/L	10	9.7	97	90-110	

MATRIX SPIKE SAMPLE: 325970

Parameter	Units	7052909001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	<2.0	10	10.2	84	80-120	
Sulfate	mg/L	5.7	10	15.0	93	80-120	

MATRIX SPIKE SAMPLE: 325972

Parameter	Units	7053800006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	949	500	1480	106	80-120	
Sulfate	mg/L	182	100	281	99	80-120	

SAMPLE DUPLICATE: 325971

Parameter	Units	7052909001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	<2.0	<2.0		
Sulfate	mg/L	5.7	5.8	2	

SAMPLE DUPLICATE: 325973

Parameter	Units	7053800006 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	949	938	1	
Sulfate	mg/L	182	179	2	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

QC Batch: 71023 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 7053800007, 7053800008, 7053800009, 7053800010, 7053800011

METHOD BLANK: 325975 Matrix: Water
Associated Lab Samples: 7053800007, 7053800008, 7053800009, 7053800010, 7053800011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	06/12/18 10:36	
Sulfate	mg/L	<5.0	5.0	06/12/18 10:36	

LABORATORY CONTROL SAMPLE: 325976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.2	102	90-110	
Sulfate	mg/L	10	9.9	99	90-110	

MATRIX SPIKE SAMPLE: 325977

Parameter	Units	7053258005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	7.6	10	16.7	91	80-120	
Sulfate	mg/L	<5.0	10	14.0	93	80-120	

SAMPLE DUPLICATE: 325978

Parameter	Units	7053258005 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	7.6	7.6	1	
Sulfate	mg/L	<5.0	<5.0		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

QC Batch: 70394 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7053800001, 7053800002, 7053800003, 7053800004, 7053800005, 7053800006, 7053800007, 7053800008, 7053800009, 7053800010, 7053800011

METHOD BLANK: 322913 Matrix: Water
Associated Lab Samples: 7053800001, 7053800002, 7053800003, 7053800004, 7053800005, 7053800006, 7053800007, 7053800008, 7053800009, 7053800010, 7053800011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	06/06/18 19:37	

LABORATORY CONTROL SAMPLE: 322914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	100	90-110	

MATRIX SPIKE SAMPLE: 322915

Parameter	Units	7053800006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.53	105	90-110	

MATRIX SPIKE SAMPLE: 322917

Parameter	Units	7053742001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.56	111	90-110	M1

SAMPLE DUPLICATE: 322916

Parameter	Units	7053800006 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 322918

Parameter	Units	7053742001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

QC Batch: 70402 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate, Unpres.
Associated Lab Samples: 7053800001, 7053800002, 7053800003, 7053800004, 7053800005, 7053800006, 7053800007, 7053800008, 7053800009, 7053800010, 7053800011

METHOD BLANK: 323024 Matrix: Water
Associated Lab Samples: 7053800001, 7053800002, 7053800003, 7053800004, 7053800005, 7053800006, 7053800007, 7053800008, 7053800009, 7053800010, 7053800011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	06/06/18 22:48	

LABORATORY CONTROL SAMPLE: 323025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	100	90-110	

MATRIX SPIKE SAMPLE: 323026

Parameter	Units	7053800006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	.5	0.65	125	90-110	M1

MATRIX SPIKE SAMPLE: 323028

Parameter	Units	7053742001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	2.1	5	8.5	126	90-110	M6

SAMPLE DUPLICATE: 323027

Parameter	Units	7053800006 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 323029

Parameter	Units	7053742001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	2.1	2.0	4	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 7053800001
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7053800002
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7053800003
[1] 2-Cholroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7053800004
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7053800005
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7053800006
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7053800007
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7053800008
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7053800009
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

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QUALIFIERS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

SAMPLE QUALIFIERS

Sample: 7053800010
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7053800011
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7053800012
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 323483
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 323484
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 323485
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 324507
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7053800001	**MW-19**	EPA 200.7	70524	EPA 200.7	70562
7053800002	**MW-46**	EPA 200.7	70524	EPA 200.7	70562
7053800003	**MW-62**	EPA 200.7	70524	EPA 200.7	70562
7053800004	**MW-64S**	EPA 200.7	70524	EPA 200.7	70562
7053800005	**MW-64D**	EPA 200.7	70524	EPA 200.7	70562
7053800006	**MW-65**	EPA 200.7	70524	EPA 200.7	70562
7053800007	**MW-67**	EPA 200.7	70524	EPA 200.7	70562
7053800008	**MW-68**	EPA 200.7	70524	EPA 200.7	70562
7053800009	**MW-70S**	EPA 200.7	70524	EPA 200.7	70562
7053800010	**MW-70D**	EPA 200.7	70524	EPA 200.7	70562
7053800011	**DUP X**	EPA 200.7	70524	EPA 200.7	70562
7053800001	**MW-19**	EPA 8260C/5030C	70545		
7053800002	**MW-46**	EPA 8260C/5030C	70545		
7053800003	**MW-62**	EPA 8260C/5030C	70545		
7053800004	**MW-64S**	EPA 8260C/5030C	70545		
7053800005	**MW-64D**	EPA 8260C/5030C	70545		
7053800006	**MW-65**	EPA 8260C/5030C	70545		
7053800007	**MW-67**	EPA 8260C/5030C	70545		
7053800008	**MW-68**	EPA 8260C/5030C	70715		
7053800009	**MW-70S**	EPA 8260C/5030C	70545		
7053800010	**MW-70D**	EPA 8260C/5030C	70545		
7053800011	**DUP X**	EPA 8260C/5030C	70545		
7053800012	**TRIP BLANK**	EPA 8260C/5030C	70545		
7053800001	**MW-19**	EPA 300.0	71022		
7053800002	**MW-46**	EPA 300.0	71022		
7053800003	**MW-62**	EPA 300.0	71022		
7053800004	**MW-64S**	EPA 300.0	71022		
7053800005	**MW-64D**	EPA 300.0	71022		
7053800006	**MW-65**	EPA 300.0	71022		
7053800007	**MW-67**	EPA 300.0	71023		
7053800008	**MW-68**	EPA 300.0	71023		
7053800009	**MW-70S**	EPA 300.0	71023		
7053800010	**MW-70D**	EPA 300.0	71023		
7053800011	**DUP X**	EPA 300.0	71023		
7053800001	**MW-19**	EPA 353.2	70402		
7053800002	**MW-46**	EPA 353.2	70402		
7053800003	**MW-62**	EPA 353.2	70402		
7053800004	**MW-64S**	EPA 353.2	70402		
7053800005	**MW-64D**	EPA 353.2	70402		
7053800006	**MW-65**	EPA 353.2	70402		
7053800007	**MW-67**	EPA 353.2	70402		
7053800008	**MW-68**	EPA 353.2	70402		
7053800009	**MW-70S**	EPA 353.2	70402		
7053800010	**MW-70D**	EPA 353.2	70402		
7053800011	**DUP X**	EPA 353.2	70402		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7053800001	**MW-19**	EPA 353.2	70394		
7053800002	**MW-46**	EPA 353.2	70394		
7053800003	**MW-62**	EPA 353.2	70394		
7053800004	**MW-64S**	EPA 353.2	70394		
7053800005	**MW-64D**	EPA 353.2	70394		
7053800006	**MW-65**	EPA 353.2	70394		
7053800007	**MW-67**	EPA 353.2	70394		
7053800008	**MW-68**	EPA 353.2	70394		
7053800009	**MW-70S**	EPA 353.2	70394		
7053800010	**MW-70D**	EPA 353.2	70394		
7053800011	**DUP X**	EPA 353.2	70394		

WO#:7053800

7053800

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A — Required Client Information:

Company:	BARTON & LOGUIDICE DPC
Address:	10 AIRLINE DR., SUITE 200
	ALBANY, NY 12205
Email To:	
Phone: (518)218-1801	Fax: (518)218-1805
Requested Due Date/TAT:	STANDARD

Section B — Required Project Information:

Report To:	ANDY BARBER
Copy To:	CORINNE STEINMUELLER
PROJECT:	ALCO QUARTERLY GROUNDWATER

Section C — Invoice Information:

Attention:	
Company Name:	PACE ANALYTICAL SERVICES
Address:	NYAP@PACELABS.COM
Pace Project Manager:	JOHN.STANTON@PACELABS.COM

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER____

Section D — Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	CONTAINER SIZE	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analys: VOC 8260	SULFATE	CHLORIDE	NITRATE	HARDNESS	MS/MSD	Residual Chlorine (Y/N)	Pace Project No. Lab I.D.
1	MW-19	WT	G	6/5	11:46				8	1		1	3				3	X	X	X	X	X				001
2	MW-46				11:54				8	1		1	3				3	X	X	X	X	X				002
3	MW-62				8:52				8	1		1	3				3	X	X	X	X	X				003
4	MW-64S				7:40				8	1		1	3				3	X	X	X	X	X				004
5	MW-64D				~~8:42~~ 7:59				8	1		1	3				3	X	X	X	X	X				005
6	MW-65 (MS/MSD)				7:30				20	1		1	9				9	X	X	X	X	X	X			006
7	MW-67				9:50				8	1		1	3				3	X	X	X	X	X				007
8	MW-68				9:38				8	1		1	3				3	X	X	X	X	X				008
9	MW-70S				12:05				8	1		1	3				3	X	X	X	X	X				009
10	MW-70D				12:14				8	1		1	3				3	X	X	X	X	X				010
11	DUP X				—				8	1		1	3				3	X	X	X	X	X				011
12	TRIP BLANK				—				2				2					X								012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature] B&L	6/5/18	2:35	[signature] PACE	6/5/18	14:35
	[signature] PACE	6/5/18	1600	via Fedex →		
				Danielle Wallis	6/6/18	10:00

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
8.4	(Y/N)	Y/N	(Y/N)
	Y/N	Y/N	Y/N
-2	Y/N	Y/N	N/A
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Corinne Steinmuller

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): ~~12/5~~ 6/5/18

e-File(ALLQ020rev.4,29Mar06)22Jun2005

Pace Analytical
Long Island Laboratory

Sample Condition Upon Receipt

WO#: 7053800
PM: CNP Due Date: 06/12/18
CLIENT: B&L

Client Name: B+L DPC

Proj

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 4414 8129 2984

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals intact: ☑ Yes ☐ No

Temperature Blank Present: ☐ Yes ☑ No

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☑ Ziploc ☐ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 1.9 Cooler Temperature Corrected (°C): 1.9

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)

Date and Initials of person examining contents: DL 6/6/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

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

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☑ Yes	☐ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	☑ Yes	☐ No	☐ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC727135				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑ Yes	☐ No	☐ N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	15.
Trip Blank Present:	☐ Yes	☐ No	☑ N/A	16.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable): _____				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-19 **Lab ID: 7044677001** Collected: 03/06/18 11:02 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**196000**	ug/L	2500	1	03/08/18 07:21	03/08/18 15:34		
Calcium	**78400**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:34	7440-70-2	
Hardness, Magnesium	**31500**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:34		N3
Magnesium	**7660**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:34	7439-95-4	
Potassium	**8870**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:34	7440-09-7	
Sodium	**517000**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:34	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**227000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:34		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	630-20-6	
1,1,1-Trichloroethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	71-55-6	
1,1,2,2-Tetrachloroethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	79-34-5	
1,1,2-Trichloroethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	79-00-5	
1,1-Dichloroethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	75-34-3	
1,1-Dichloroethene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	75-35-4	
1,1-Dichloropropene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	563-58-6	
1,2,3-Trichlorobenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	87-61-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	96-18-4	
1,2,4-Trichlorobenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	120-82-1	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	95-63-6	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	96-12-8	
1,2-Dibromoethane (EDB)	**<5.0**	ug/L	5.0	5		03/08/18 20:23	106-93-4	
1,2-Dichlorobenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	95-50-1	
1,2-Dichloroethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	107-06-2	
1,2-Dichloropropane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	78-87-5	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	108-67-8	
1,3-Dichlorobenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	541-73-1	
1,3-Dichloropropane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	142-28-9	
1,4-Dichlorobenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	106-46-7	
2,2-Dichloropropane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	594-20-7	
2-Butanone (MEK)	**<25.0**	ug/L	25.0	5		03/08/18 20:23	78-93-3	
2-Chlorotoluene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	95-49-8	
2-Hexanone	**<25.0**	ug/L	25.0	5		03/08/18 20:23	591-78-6	
4-Chlorotoluene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<25.0**	ug/L	25.0	5		03/08/18 20:23	108-10-1	
Acetone	**<25.0**	ug/L	25.0	5		03/08/18 20:23	67-64-1	
Benzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	71-43-2	
Bromobenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	108-86-1	
Bromochloromethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	75-27-4	
Bromoform	**<5.0**	ug/L	5.0	5		03/08/18 20:23	75-25-2	
Bromomethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	74-83-9	
Carbon disulfide	**<5.0**	ug/L	5.0	5		03/08/18 20:23	75-15-0	
Carbon tetrachloride	**<5.0**	ug/L	5.0	5		03/08/18 20:23	56-23-5	
Chlorobenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	108-90-7	
Chloroethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-19 **Lab ID: 7044677001** Collected: 03/06/18 11:02 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<5.0**	ug/L	5.0	5		03/08/18 20:23	67-66-3	
Chloromethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	124-48-1	
Dibromomethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	75-71-8	
Ethylbenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	100-41-4	
Hexachloro-1,3-butadiene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	87-68-3	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	5.0	5		03/08/18 20:23	98-82-8	
Methyl-tert-butyl ether	**<5.0**	ug/L	5.0	5		03/08/18 20:23	1634-04-4	
Methylene Chloride	**<5.0**	ug/L	5.0	5		03/08/18 20:23	75-09-2	
Naphthalene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	91-20-3	
Styrene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	100-42-5	
Tetrachloroethene	**969**	ug/L	5.0	5		03/08/18 20:23	127-18-4	
Toluene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	108-88-3	
Trichloroethene	**97.3**	ug/L	5.0	5		03/08/18 20:23	79-01-6	
Trichlorofluoromethane	**<5.0**	ug/L	5.0	5		03/08/18 20:23	75-69-4	
Vinyl acetate	**<5.0**	ug/L	5.0	5		03/08/18 20:23	108-05-4	
Vinyl chloride	**<5.0**	ug/L	5.0	5		03/08/18 20:23	75-01-4	
Xylene (Total)	**<15.0**	ug/L	15.0	5		03/08/18 20:23	1330-20-7	
cis-1,2-Dichloroethene	**115**	ug/L	5.0	5		03/08/18 20:23	156-59-2	
cis-1,3-Dichloropropene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	10061-01-5	
m&p-Xylene	**<10.0**	ug/L	10.0	5		03/08/18 20:23	179601-23-1	
n-Butylbenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	104-51-8	
n-Propylbenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	103-65-1	
o-Xylene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	95-47-6	
p-Isopropyltoluene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	99-87-6	
sec-Butylbenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	135-98-8	
tert-Butylbenzene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	98-06-6	
trans-1,2-Dichloroethene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	156-60-5	
trans-1,3-Dichloropropene	**<5.0**	ug/L	5.0	5		03/08/18 20:23	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	68-153	5		03/08/18 20:23	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	5		03/08/18 20:23	460-00-4	
Toluene-d8 (S)	102	%	69-124	5		03/08/18 20:23	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**630**	mg/L	40.0	20		03/20/18 20:01	16887-00-6	
Sulfate	**81.6**	mg/L	50.0	10		03/20/18 12:29	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**1.5**	mg/L	0.25	5		03/08/18 08:02	14797-55-8	
Nitrate-Nitrite (as N)	**1.5**	mg/L	0.25	5		03/08/18 08:02	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		03/08/18 06:26	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-46 **Lab ID: 7044677002** Collected: 03/06/18 11:20 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**664000**	ug/L	2500	1	03/08/18 07:21	03/08/18 15:40		
Calcium	**266000**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:40	7440-70-2	
Hardness, Magnesium	**138000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:40		N3
Magnesium	**33600**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:40	7439-95-4	
Potassium	**17100**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:40	7440-09-7	
Sodium	**1400000**	ug/L	50000	10	03/08/18 07:21	03/09/18 09:13	7440-23-5	M6
Tot Hardness asCaCO3 (SM 2340B	**803000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:40		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	630-20-6	
1,1,1-Trichloroethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	71-55-6	
1,1,2,2-Tetrachloroethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	79-34-5	
1,1,2-Trichloroethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	79-00-5	
1,1-Dichloroethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	75-34-3	
1,1-Dichloroethene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	75-35-4	
1,1-Dichloropropene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	563-58-6	
1,2,3-Trichlorobenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	87-61-6	
1,2,3-Trichloropropane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	96-18-4	
1,2,4-Trichlorobenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	120-82-1	
1,2,4-Trimethylbenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	95-63-6	
1,2-Dibromo-3-chloropropane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	96-12-8	
1,2-Dibromoethane (EDB)	**<25.0**	ug/L	25.0	25		03/08/18 20:41	106-93-4	
1,2-Dichlorobenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	95-50-1	
1,2-Dichloroethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	107-06-2	
1,2-Dichloropropane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	78-87-5	
1,3,5-Trimethylbenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	108-67-8	
1,3-Dichlorobenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	541-73-1	
1,3-Dichloropropane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	142-28-9	
1,4-Dichlorobenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	106-46-7	
2,2-Dichloropropane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	594-20-7	
2-Butanone (MEK)	**<125**	ug/L	125	25		03/08/18 20:41	78-93-3	
2-Chlorotoluene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	95-49-8	
2-Hexanone	**<125**	ug/L	125	25		03/08/18 20:41	591-78-6	
4-Chlorotoluene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<125**	ug/L	125	25		03/08/18 20:41	108-10-1	
Acetone	**<125**	ug/L	125	25		03/08/18 20:41	67-64-1	
Benzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	71-43-2	
Bromobenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	108-86-1	
Bromochloromethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	74-97-5	
Bromodichloromethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	75-27-4	
Bromoform	**<25.0**	ug/L	25.0	25		03/08/18 20:41	75-25-2	
Bromomethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	74-83-9	
Carbon disulfide	**<25.0**	ug/L	25.0	25		03/08/18 20:41	75-15-0	
Carbon tetrachloride	**<25.0**	ug/L	25.0	25		03/08/18 20:41	56-23-5	
Chlorobenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	108-90-7	
Chloroethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-46 **Lab ID: 7044677002** Collected: 03/06/18 11:20 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<25.0**	ug/L	25.0	25		03/08/18 20:41	67-66-3	
Chloromethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	74-87-3	
Dibromochloromethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	124-48-1	
Dibromomethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	74-95-3	
Dichlorodifluoromethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	75-71-8	
Ethylbenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	100-41-4	
Hexachloro-1,3-butadiene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	87-68-3	
Isopropylbenzene (Cumene)	**<25.0**	ug/L	25.0	25		03/08/18 20:41	98-82-8	
Methyl-tert-butyl ether	**<25.0**	ug/L	25.0	25		03/08/18 20:41	1634-04-4	
Methylene Chloride	**<25.0**	ug/L	25.0	25		03/08/18 20:41	75-09-2	
Naphthalene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	91-20-3	
Styrene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	100-42-5	
Tetrachloroethene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	127-18-4	
Toluene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	108-88-3	
Trichloroethene	**58.0**	ug/L	25.0	25		03/08/18 20:41	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/L	25.0	25		03/08/18 20:41	75-69-4	
Vinyl acetate	**<25.0**	ug/L	25.0	25		03/08/18 20:41	108-05-4	
Vinyl chloride	**266**	ug/L	25.0	25		03/08/18 20:41	75-01-4	
Xylene (Total)	**<75.0**	ug/L	75.0	25		03/08/18 20:41	1330-20-7	
cis-1,2-Dichloroethene	**3520**	ug/L	25.0	25		03/08/18 20:41	156-59-2	
cis-1,3-Dichloropropene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	10061-01-5	
m&p-Xylene	**<50.0**	ug/L	50.0	25		03/08/18 20:41	179601-23-1	
n-Butylbenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	104-51-8	
n-Propylbenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	103-65-1	
o-Xylene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	95-47-6	
p-Isopropyltoluene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	99-87-6	
sec-Butylbenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	135-98-8	
tert-Butylbenzene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	98-06-6	
trans-1,2-Dichloroethene	**53.0**	ug/L	25.0	25		03/08/18 20:41	156-60-5	
trans-1,3-Dichloropropene	**<25.0**	ug/L	25.0	25		03/08/18 20:41	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	68-153	25		03/08/18 20:41	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	25		03/08/18 20:41	460-00-4	
Toluene-d8 (S)	102	%	69-124	25		03/08/18 20:41	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**2290**	mg/L	200	100		03/20/18 12:12	16887-00-6	
Sulfate	**192**	mg/L	50.0	10		03/20/18 11:56	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		03/08/18 08:03	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		03/08/18 08:03	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		03/08/18 06:27	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-62 **Lab ID: 7044677003** Collected: 03/06/18 11:20 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**367000**	ug/L	2500	1	03/08/18 07:21	03/08/18 15:46		
Calcium	**147000**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:46	7440-70-2	
Hardness, Magnesium	**73700**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:46		N3
Magnesium	**17900**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:46	7439-95-4	
Potassium	**<5000**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:46	7440-09-7	
Sodium	**108000**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:46	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**441000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:46		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	87-61-6	CL
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		03/12/18 13:03	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		03/12/18 13:03	78-93-3	M1
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		03/12/18 13:03	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		03/12/18 13:03	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		03/12/18 13:03	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		03/12/18 13:03	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		03/12/18 13:03	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		03/12/18 13:03	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	75-00-3	

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-62 **Lab ID: 7044677003** Collected: 03/06/18 11:20 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		03/12/18 13:03	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	87-68-3	CL
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		03/12/18 13:03	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		03/12/18 13:03	1634-04-4	CL
Methylene Chloride	**<1.0**	ug/L	1.0	1		03/12/18 13:03	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		03/12/18 13:03	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		03/12/18 13:03	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		03/12/18 13:03	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		03/12/18 13:03	1330-20-7	
cis-1,2-Dichloroethene	**5.5**	ug/L	1.0	1		03/12/18 13:03	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		03/12/18 13:03	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/12/18 13:03	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	68-153	1		03/12/18 13:03	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124	1		03/12/18 13:03	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		03/12/18 13:03	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**48.7**	mg/L	2.0	1		03/20/18 12:46	16887-00-6	
Sulfate	**<5.0**	mg/L	5.0	1		03/20/18 12:46	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		03/08/18 08:04	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		03/08/18 08:04	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		03/08/18 06:28	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-64S **Lab ID: 7044677004** Collected: 03/06/18 08:45 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**297000**	ug/L	2500	1	03/08/18 07:21	03/08/18 15:47		
Calcium	**119000**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:47	7440-70-2	
Hardness, Magnesium	**65500**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:47		N3
Magnesium	**15900**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:47	7439-95-4	
Potassium	**7230**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:47	7440-09-7	
Sodium	**32800**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:47	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**363000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:47		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		03/08/18 17:24	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		03/08/18 17:24	78-93-3	M1
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		03/08/18 17:24	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		03/08/18 17:24	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		03/08/18 17:24	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		03/08/18 17:24	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		03/08/18 17:24	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		03/08/18 17:24	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	75-00-3	

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-64S **Lab ID: 7044677004** Collected: 03/06/18 08:45 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		03/08/18 17:24	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		03/08/18 17:24	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		03/08/18 17:24	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		03/08/18 17:24	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:24	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		03/08/18 17:24	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		03/08/18 17:24	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		03/08/18 17:24	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		03/08/18 17:24	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 17:24	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	68-153	1		03/08/18 17:24	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		03/08/18 17:24	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		03/08/18 17:24	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**40.0**	mg/L	2.0	1		03/20/18 13:03	16887-00-6	
Sulfate	**<5.0**	mg/L	5.0	1		03/20/18 13:03	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**0.11**	mg/L	0.050	1		03/08/18 08:08	14797-55-8	
Nitrate-Nitrite (as N)	**0.11**	mg/L	0.050	1		03/08/18 08:08	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		03/08/18 06:31	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
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ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-64D **Lab ID: 7044677005** Collected: 03/06/18 09:00 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**405000**	ug/L	2500	1	03/08/18 07:21	03/08/18 15:49		
Calcium	**162000**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:49	7440-70-2	
Hardness, Magnesium	**114000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:49		N3
Magnesium	**27600**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:49	7439-95-4	
Potassium	**6770**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:49	7440-09-7	
Sodium	**201000**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:49	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**518000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:49		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	630-20-6	
1,1,1-Trichloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	79-34-5	
1,1,2-Trichloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	79-00-5	
1,1-Dichloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	75-34-3	
1,1-Dichloroethene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	75-35-4	
1,1-Dichloropropene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	563-58-6	
1,2,3-Trichlorobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	87-61-6	CL
1,2,3-Trichloropropane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	96-18-4	
1,2,4-Trichlorobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	120-82-1	
1,2,4-Trimethylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	96-12-8	
1,2-Dibromoethane (EDB)	**<2.0**	ug/L	2.0	2		03/12/18 13:21	106-93-4	
1,2-Dichlorobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	95-50-1	
1,2-Dichloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	107-06-2	
1,2-Dichloropropane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	78-87-5	
1,3,5-Trimethylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	108-67-8	
1,3-Dichlorobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	541-73-1	
1,3-Dichloropropane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	142-28-9	
1,4-Dichlorobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	106-46-7	
2,2-Dichloropropane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	594-20-7	
2-Butanone (MEK)	**<10.0**	ug/L	10.0	2		03/12/18 13:21	78-93-3	
2-Chlorotoluene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	95-49-8	
2-Hexanone	**<10.0**	ug/L	10.0	2		03/12/18 13:21	591-78-6	
4-Chlorotoluene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<10.0**	ug/L	10.0	2		03/12/18 13:21	108-10-1	
Acetone	**<10.0**	ug/L	10.0	2		03/12/18 13:21	67-64-1	
Benzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	71-43-2	
Bromobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	108-86-1	
Bromochloromethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	74-97-5	
Bromodichloromethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	75-27-4	
Bromoform	**<2.0**	ug/L	2.0	2		03/12/18 13:21	75-25-2	
Bromomethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	74-83-9	
Carbon disulfide	**<2.0**	ug/L	2.0	2		03/12/18 13:21	75-15-0	
Carbon tetrachloride	**<2.0**	ug/L	2.0	2		03/12/18 13:21	56-23-5	
Chlorobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	108-90-7	
Chloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	75-00-3	

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ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-64D **Lab ID: 7044677005** Collected: 03/06/18 09:00 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<2.0**	ug/L	2.0	2		03/12/18 13:21	67-66-3	
Chloromethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	74-87-3	
Dibromochloromethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	124-48-1	
Dibromomethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	74-95-3	
Dichlorodifluoromethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	75-71-8	
Ethylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	100-41-4	
Hexachloro-1,3-butadiene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	87-68-3	CL
Isopropylbenzene (Cumene)	**<2.0**	ug/L	2.0	2		03/12/18 13:21	98-82-8	
Methyl-tert-butyl ether	**<2.0**	ug/L	2.0	2		03/12/18 13:21	1634-04-4	CL
Methylene Chloride	**<2.0**	ug/L	2.0	2		03/12/18 13:21	75-09-2	
Naphthalene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	91-20-3	
Styrene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	100-42-5	
Tetrachloroethene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	127-18-4	
Toluene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	108-88-3	
Trichloroethene	**52.6**	ug/L	2.0	2		03/12/18 13:21	79-01-6	
Trichlorofluoromethane	**<2.0**	ug/L	2.0	2		03/12/18 13:21	75-69-4	
Vinyl acetate	**<2.0**	ug/L	2.0	2		03/12/18 13:21	108-05-4	
Vinyl chloride	**34.9**	ug/L	2.0	2		03/12/18 13:21	75-01-4	
Xylene (Total)	**<6.0**	ug/L	6.0	2		03/12/18 13:21	1330-20-7	
cis-1,2-Dichloroethene	**365**	ug/L	2.0	2		03/12/18 13:21	156-59-2	
cis-1,3-Dichloropropene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	10061-01-5	
m&p-Xylene	**<4.0**	ug/L	4.0	2		03/12/18 13:21	179601-23-1	
n-Butylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	104-51-8	
n-Propylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	103-65-1	
o-Xylene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	95-47-6	
p-Isopropyltoluene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	99-87-6	
sec-Butylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	135-98-8	
tert-Butylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	98-06-6	
trans-1,2-Dichloroethene	**7.8**	ug/L	2.0	2		03/12/18 13:21	156-60-5	
trans-1,3-Dichloropropene	**<2.0**	ug/L	2.0	2		03/12/18 13:21	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	68-153	2		03/12/18 13:21	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	2		03/12/18 13:21	460-00-4	
Toluene-d8 (S)	100	%	69-124	2		03/12/18 13:21	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**456**	mg/L	20.0	10		03/20/18 14:09	16887-00-6	
Sulfate	**49.2**	mg/L	5.0	1		03/20/18 13:19	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		03/08/18 08:09	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		03/08/18 08:09	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		03/08/18 06:33	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-67 **Lab ID: 7044677006** Collected: 03/06/18 10:30 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**614000**	ug/L	2500	1	03/08/18 07:21	03/08/18 15:50		
Calcium	**246000**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:50	7440-70-2	
Hardness, Magnesium	**148000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:50		N3
Magnesium	**35900**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:50	7439-95-4	
Potassium	**20100**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:50	7440-09-7	
Sodium	**472000**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:50	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**762000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:50		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	630-20-6	
1,1,1-Trichloroethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	71-55-6	
1,1,2,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	79-34-5	
1,1,2-Trichloroethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	79-00-5	
1,1-Dichloroethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	75-34-3	
1,1-Dichloroethene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	75-35-4	
1,1-Dichloropropene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	563-58-6	
1,2,3-Trichlorobenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	87-61-6	
1,2,3-Trichloropropane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	96-18-4	
1,2,4-Trichlorobenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	120-82-1	
1,2,4-Trimethylbenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	95-63-6	
1,2-Dibromo-3-chloropropane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	96-12-8	
1,2-Dibromoethane (EDB)	**<10.0**	ug/L	10.0	10		03/08/18 21:35	106-93-4	
1,2-Dichlorobenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	95-50-1	
1,2-Dichloroethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	107-06-2	
1,2-Dichloropropane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	78-87-5	
1,3,5-Trimethylbenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	108-67-8	
1,3-Dichlorobenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	541-73-1	
1,3-Dichloropropane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	142-28-9	
1,4-Dichlorobenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	106-46-7	
2,2-Dichloropropane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	594-20-7	
2-Butanone (MEK)	**<50.0**	ug/L	50.0	10		03/08/18 21:35	78-93-3	
2-Chlorotoluene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	95-49-8	
2-Hexanone	**<50.0**	ug/L	50.0	10		03/08/18 21:35	591-78-6	
4-Chlorotoluene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<50.0**	ug/L	50.0	10		03/08/18 21:35	108-10-1	
Acetone	**<50.0**	ug/L	50.0	10		03/08/18 21:35	67-64-1	
Benzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	71-43-2	
Bromobenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	108-86-1	
Bromochloromethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	74-97-5	
Bromodichloromethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	75-27-4	
Bromoform	**<10.0**	ug/L	10.0	10		03/08/18 21:35	75-25-2	
Bromomethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	74-83-9	
Carbon disulfide	**<10.0**	ug/L	10.0	10		03/08/18 21:35	75-15-0	
Carbon tetrachloride	**<10.0**	ug/L	10.0	10		03/08/18 21:35	56-23-5	
Chlorobenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	108-90-7	
Chloroethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-67 **Lab ID: 7044677006** Collected: 03/06/18 10:30 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<10.0**	ug/L	10.0	10		03/08/18 21:35	67-66-3	
Chloromethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	74-87-3	
Dibromochloromethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	124-48-1	
Dibromomethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	74-95-3	
Dichlorodifluoromethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	75-71-8	
Ethylbenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	100-41-4	
Hexachloro-1,3-butadiene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	87-68-3	
Isopropylbenzene (Cumene)	**<10.0**	ug/L	10.0	10		03/08/18 21:35	98-82-8	
Methyl-tert-butyl ether	**<10.0**	ug/L	10.0	10		03/08/18 21:35	1634-04-4	
Methylene Chloride	**<10.0**	ug/L	10.0	10		03/08/18 21:35	75-09-2	
Naphthalene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	91-20-3	
Styrene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	100-42-5	
Tetrachloroethene	**148**	ug/L	10.0	10		03/08/18 21:35	127-18-4	
Toluene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	108-88-3	
Trichloroethene	**126**	ug/L	10.0	10		03/08/18 21:35	79-01-6	
Trichlorofluoromethane	**<10.0**	ug/L	10.0	10		03/08/18 21:35	75-69-4	
Vinyl acetate	**<10.0**	ug/L	10.0	10		03/08/18 21:35	108-05-4	
Vinyl chloride	**143**	ug/L	10.0	10		03/08/18 21:35	75-01-4	
Xylene (Total)	**<30.0**	ug/L	30.0	10		03/08/18 21:35	1330-20-7	
cis-1,2-Dichloroethene	**1880**	ug/L	10.0	10		03/08/18 21:35	156-59-2	
cis-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	10061-01-5	
m&p-Xylene	**<20.0**	ug/L	20.0	10		03/08/18 21:35	179601-23-1	
n-Butylbenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	104-51-8	
n-Propylbenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	103-65-1	
o-Xylene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	95-47-6	
p-Isopropyltoluene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	99-87-6	
sec-Butylbenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	135-98-8	
tert-Butylbenzene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	98-06-6	
trans-1,2-Dichloroethene	**27.5**	ug/L	10.0	10		03/08/18 21:35	156-60-5	
trans-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		03/08/18 21:35	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	68-153	10		03/08/18 21:35	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	10		03/08/18 21:35	460-00-4	
Toluene-d8 (S)	101	%	69-124	10		03/08/18 21:35	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**984**	mg/L	40.0	20		03/20/18 14:43	16887-00-6	
Sulfate	**101**	mg/L	25.0	5		03/20/18 14:26	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		03/08/18 08:10	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		03/08/18 08:10	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		03/08/18 06:34	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-68 **Lab ID: 7044677007** Collected: 03/06/18 10:10 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**390000**	ug/L	2500	1	03/08/18 07:21	03/08/18 15:51		
Calcium	**156000**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:51	7440-70-2	
Hardness, Magnesium	**98800**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:51		N3
Magnesium	**24000**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:51	7439-95-4	
Potassium	**7040**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:51	7440-09-7	
Sodium	**112000**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:51	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**488000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:51		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		03/08/18 17:42	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		03/08/18 17:42	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		03/08/18 17:42	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		03/08/18 17:42	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		03/08/18 17:42	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		03/08/18 17:42	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		03/08/18 17:42	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		03/08/18 17:42	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-68 **Lab ID: 7044677007** Collected: 03/06/18 10:10 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		03/08/18 17:42	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		03/08/18 17:42	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		03/08/18 17:42	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		03/08/18 17:42	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:42	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		03/08/18 17:42	108-05-4	
Vinyl chloride	**7.3**	ug/L	1.0	1		03/08/18 17:42	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		03/08/18 17:42	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		03/08/18 17:42	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 17:42	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	68-153	1		03/08/18 17:42	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		03/08/18 17:42	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		03/08/18 17:42	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**174**	mg/L	10.0	5		03/20/18 15:17	16887-00-6	
Sulfate	**<5.0**	mg/L	5.0	1		03/20/18 15:00	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		03/08/18 08:11	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		03/08/18 08:11	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		03/08/18 06:35	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-70S **Lab ID: 7044677008** Collected: 03/06/18 11:36 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**212000**	ug/L	2500	1	03/08/18 07:21	03/08/18 15:52		
Calcium	**84800**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:52	7440-70-2	
Hardness, Magnesium	**65100**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:52		N3
Magnesium	**15800**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:52	7439-95-4	
Potassium	**5280**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:52	7440-09-7	
Sodium	**231000**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:52	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**277000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:52		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		03/08/18 18:00	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		03/08/18 18:00	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		03/08/18 18:00	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		03/08/18 18:00	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		03/08/18 18:00	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		03/08/18 18:00	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		03/08/18 18:00	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		03/08/18 18:00	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-70S **Lab ID: 7044677008** Collected: 03/06/18 11:36 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		03/08/18 18:00	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		03/08/18 18:00	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		03/08/18 18:00	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		03/08/18 18:00	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		03/08/18 18:00	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		03/08/18 18:00	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		03/08/18 18:00	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		03/08/18 18:00	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		03/08/18 18:00	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 18:00	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	68-153	1		03/08/18 18:00	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		03/08/18 18:00	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		03/08/18 18:00	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**360**	mg/L	20.0	10		03/20/18 20:52	16887-00-6	
Sulfate	**147**	mg/L	25.0	5		03/20/18 15:34	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		03/08/18 08:13	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		03/08/18 08:13	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		03/08/18 06:36	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-70D **Lab ID: 7044677009** Collected: 03/06/18 11:53 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**325000**	ug/L	2500	1	03/08/18 07:21	03/08/18 15:53		
Calcium	**130000**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:53	7440-70-2	
Hardness, Magnesium	**95900**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:53		N3
Magnesium	**23300**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:53	7439-95-4	
Potassium	**8850**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:53	7440-09-7	
Sodium	**134000**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:53	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**421000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:53		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	120-82-1	
1,2,4-Trimethylbenzene	**27.1**	ug/L	1.0	1		03/08/18 20:05	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		03/08/18 20:05	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		03/08/18 20:05	78-93-3	CH,IH
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		03/08/18 20:05	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		03/08/18 20:05	108-10-1	
Acetone	**18.9**	ug/L	5.0	1		03/08/18 20:05	67-64-1	CH
Benzene	**24.8**	ug/L	1.0	1		03/08/18 20:05	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		03/08/18 20:05	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		03/08/18 20:05	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		03/08/18 20:05	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-70D **Lab ID: 7044677009** Collected: 03/06/18 11:53 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		03/08/18 20:05	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	87-68-3	
Isopropylbenzene (Cumene)	**3.1**	ug/L	1.0	1		03/08/18 20:05	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		03/08/18 20:05	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		03/08/18 20:05	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		03/08/18 20:05	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		03/08/18 20:05	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		03/08/18 20:05	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		03/08/18 20:05	1330-20-7	
cis-1,2-Dichloroethene	**1.9**	ug/L	1.0	1		03/08/18 20:05	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		03/08/18 20:05	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	104-51-8	
n-Propylbenzene	**3.7**	ug/L	1.0	1		03/08/18 20:05	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 20:05	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	68-153	1		03/08/18 20:05	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		03/08/18 20:05	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		03/08/18 20:05	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**177**	mg/L	40.0	20		03/20/18 16:07	16887-00-6	
Sulfate	**32.7**	mg/L	5.0	1		03/20/18 15:50	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		03/08/18 08:14	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		03/08/18 08:14	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		03/08/18 06:37	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: DUP X **Lab ID: 7044677010** Collected: 03/06/18 00:00 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**402000**	ug/L	2500	1	03/08/18 07:21	03/08/18 15:54		
Calcium	**161000**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:54	7440-70-2	
Hardness, Magnesium	**113000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:54		N3
Magnesium	**27500**	ug/L	1000	1	03/08/18 07:21	03/08/18 15:54	7439-95-4	
Potassium	**6740**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:54	7440-09-7	
Sodium	**198000**	ug/L	5000	1	03/08/18 07:21	03/08/18 15:54	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**515000**	ug/L	4100	1	03/08/18 07:21	03/08/18 15:54		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	630-20-6	
1,1,1-Trichloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	79-34-5	
1,1,2-Trichloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	79-00-5	
1,1-Dichloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	75-34-3	
1,1-Dichloroethene	**2.3**	ug/L	2.0	2		03/12/18 13:39	75-35-4	
1,1-Dichloropropene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	563-58-6	
1,2,3-Trichlorobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	87-61-6	CL
1,2,3-Trichloropropane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	96-18-4	
1,2,4-Trichlorobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	120-82-1	
1,2,4-Trimethylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	96-12-8	
1,2-Dibromoethane (EDB)	**<2.0**	ug/L	2.0	2		03/12/18 13:39	106-93-4	
1,2-Dichlorobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	95-50-1	
1,2-Dichloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	107-06-2	
1,2-Dichloropropane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	78-87-5	
1,3,5-Trimethylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	108-67-8	
1,3-Dichlorobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	541-73-1	
1,3-Dichloropropane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	142-28-9	
1,4-Dichlorobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	106-46-7	
2,2-Dichloropropane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	594-20-7	
2-Butanone (MEK)	**<10.0**	ug/L	10.0	2		03/12/18 13:39	78-93-3	
2-Chlorotoluene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	95-49-8	
2-Hexanone	**<10.0**	ug/L	10.0	2		03/12/18 13:39	591-78-6	
4-Chlorotoluene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<10.0**	ug/L	10.0	2		03/12/18 13:39	108-10-1	
Acetone	**<10.0**	ug/L	10.0	2		03/12/18 13:39	67-64-1	
Benzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	71-43-2	
Bromobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	108-86-1	
Bromochloromethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	74-97-5	
Bromodichloromethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	75-27-4	
Bromoform	**<2.0**	ug/L	2.0	2		03/12/18 13:39	75-25-2	
Bromomethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	74-83-9	
Carbon disulfide	**<2.0**	ug/L	2.0	2		03/12/18 13:39	75-15-0	
Carbon tetrachloride	**<2.0**	ug/L	2.0	2		03/12/18 13:39	56-23-5	
Chlorobenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	108-90-7	
Chloroethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	75-00-3	

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: DUP X **Lab ID: 7044677010** Collected: 03/06/18 00:00 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<2.0**	ug/L	2.0	2		03/12/18 13:39	67-66-3	
Chloromethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	74-87-3	
Dibromochloromethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	124-48-1	
Dibromomethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	74-95-3	
Dichlorodifluoromethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	75-71-8	
Ethylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	100-41-4	
Hexachloro-1,3-butadiene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	87-68-3	CL
Isopropylbenzene (Cumene)	**<2.0**	ug/L	2.0	2		03/12/18 13:39	98-82-8	
Methyl-tert-butyl ether	**<2.0**	ug/L	2.0	2		03/12/18 13:39	1634-04-4	CL
Methylene Chloride	**<2.0**	ug/L	2.0	2		03/12/18 13:39	75-09-2	
Naphthalene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	91-20-3	
Styrene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	100-42-5	
Tetrachloroethene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	127-18-4	
Toluene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	108-88-3	
Trichloroethene	**57.7**	ug/L	2.0	2		03/12/18 13:39	79-01-6	
Trichlorofluoromethane	**<2.0**	ug/L	2.0	2		03/12/18 13:39	75-69-4	
Vinyl acetate	**<2.0**	ug/L	2.0	2		03/12/18 13:39	108-05-4	
Vinyl chloride	**39.6**	ug/L	2.0	2		03/12/18 13:39	75-01-4	
Xylene (Total)	**<6.0**	ug/L	6.0	2		03/12/18 13:39	1330-20-7	
cis-1,2-Dichloroethene	**393**	ug/L	2.0	2		03/12/18 13:39	156-59-2	
cis-1,3-Dichloropropene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	10061-01-5	
m&p-Xylene	**<4.0**	ug/L	4.0	2		03/12/18 13:39	179601-23-1	
n-Butylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	104-51-8	
n-Propylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	103-65-1	
o-Xylene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	95-47-6	
p-Isopropyltoluene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	99-87-6	
sec-Butylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	135-98-8	
tert-Butylbenzene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	98-06-6	
trans-1,2-Dichloroethene	**8.4**	ug/L	2.0	2		03/12/18 13:39	156-60-5	
trans-1,3-Dichloropropene	**<2.0**	ug/L	2.0	2		03/12/18 13:39	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	68-153	2		03/12/18 13:39	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124	2		03/12/18 13:39	460-00-4	
Toluene-d8 (S)	100	%	69-124	2		03/12/18 13:39	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**465**	mg/L	20.0	10		03/20/18 16:41	16887-00-6	
Sulfate	**46.2**	mg/L	5.0	1		03/20/18 16:24	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		03/08/18 08:15	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		03/08/18 08:15	7727-37-9	H1
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		03/08/18 06:39	14797-65-0	H1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: TRIP BLANK **Lab ID: 7044677011** Collected: 03/06/18 00:00 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		03/08/18 17:06	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		03/08/18 17:06	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		03/08/18 17:06	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		03/08/18 17:06	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		03/08/18 17:06	67-64-1	CH
Benzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		03/08/18 17:06	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		03/08/18 17:06	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		03/08/18 17:06	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		03/08/18 17:06	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		03/08/18 17:06	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		03/08/18 17:06	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		03/08/18 17:06	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: TRIP BLANK **Lab ID: 7044677011** Collected: 03/06/18 00:00 Received: 03/07/18 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Naphthalene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		03/08/18 17:06	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		03/08/18 17:06	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		03/08/18 17:06	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		03/08/18 17:06	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		03/08/18 17:06	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/08/18 17:06	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	68-153	1		03/08/18 17:06	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		03/08/18 17:06	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		03/08/18 17:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-65 **Lab ID: 7044677012** Collected: 03/12/18 07:30 Received: 03/13/18 00:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**62700**	ug/L	2500	1	03/15/18 07:30	03/15/18 15:54		
Calcium	**25100**	ug/L	1000	1	03/15/18 07:30	03/15/18 15:54	7440-70-2	
Hardness, Magnesium	**30900**	ug/L	4100	1	03/15/18 07:30	03/15/18 15:54		N3
Magnesium	**7510**	ug/L	1000	1	03/15/18 07:30	03/15/18 15:54	7439-95-4	
Potassium	**9010**	ug/L	5000	1	03/15/18 07:30	03/15/18 15:54	7440-09-7	
Sodium	**91800**	ug/L	5000	1	03/15/18 07:30	03/15/18 15:54	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**93600**	ug/L	4100	1	03/15/18 07:30	03/15/18 15:54		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		03/14/18 13:04	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		03/14/18 13:04	78-93-3	CH,IH, M1
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		03/14/18 13:04	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	106-43-4	M1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		03/14/18 13:04	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		03/14/18 13:04	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		03/14/18 13:04	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		03/14/18 13:04	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		03/14/18 13:04	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Sample: MW-65 **Lab ID: 7044677012** Collected: 03/12/18 07:30 Received: 03/13/18 00:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		03/14/18 13:04	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		03/14/18 13:04	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		03/14/18 13:04	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		03/14/18 13:04	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		03/14/18 13:04	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		03/14/18 13:04	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		03/14/18 13:04	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		03/14/18 13:04	1330-20-7	
cis-1,2-Dichloroethene	**1.1**	ug/L	1.0	1		03/14/18 13:04	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		03/14/18 13:04	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/14/18 13:04	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	68-153	1		03/14/18 13:04	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		03/14/18 13:04	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		03/14/18 13:04	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**124**	mg/L	10.0	5		03/20/18 17:31	16887-00-6	
Sulfate	ND	mg/L	25.0	5		03/20/18 17:31	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**0.24**	mg/L	0.050	1		03/13/18 21:28	14797-55-8	
Nitrate-Nitrite (as N)	**0.24**	mg/L	0.050	1		03/13/18 21:28	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		03/13/18 19:46	14797-65-0	M1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

QC Batch: 58867 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7044677001, 7044677002, 7044677003, 7044677004, 7044677005, 7044677006, 7044677007, 7044677008, 7044677009, 7044677010

METHOD BLANK: 269948 Matrix: Water
Associated Lab Samples: 7044677001, 7044677002, 7044677003, 7044677004, 7044677005, 7044677006, 7044677007, 7044677008, 7044677009, 7044677010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	<2500	2500	03/08/18 15:32	
Calcium	ug/L	<1000	1000	03/08/18 15:32	
Hardness, Magnesium	ug/L	<4100	4100	03/08/18 15:32	N3
Magnesium	ug/L	<1000	1000	03/08/18 15:32	
Potassium	ug/L	<5000	5000	03/08/18 15:32	
Sodium	ug/L	<5000	5000	03/08/18 15:32	
Tot Hardness asCaCO3 (SM 2340B	ug/L	<4100	4100	03/08/18 15:32	

LABORATORY CONTROL SAMPLE: 269949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L		62400			
Calcium	ug/L	25000	25000	100	85-115	
Hardness, Magnesium	ug/L		102000			N3
Magnesium	ug/L	25000	24800	99	85-115	
Potassium	ug/L	50000	49000	98	85-115	
Sodium	ug/L	50000	49100	98	85-115	
Tot Hardness asCaCO3 (SM 2340B	ug/L		165000			

MATRIX SPIKE SAMPLE: 269951

Parameter	Units	7044677001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	196000		255000			
Calcium	ug/L	78400	25000	102000	94	70-130	
Hardness, Magnesium	ug/L	31500		136000			N3
Magnesium	ug/L	7660	25000	33000	101	70-130	
Potassium	ug/L	8870	50000	67200	117	70-130	
Sodium	ug/L	517000	50000	564000	94	70-130	
Tot Hardness asCaCO3 (SM 2340B	ug/L	227000		391000			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

MATRIX SPIKE SAMPLE: 269953

Parameter	Units	7044677002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	664000		719000			
Calcium	ug/L	266000	25000	288000	88	70-130	
Hardness, Magnesium	ug/L	138000		243000			N3
Magnesium	ug/L	33600	25000	58900	101	70-130	
Potassium	ug/L	17100	50000	80600	127	70-130	
Sodium	ug/L	1400000	50000	1400000	14	70-130	M6
Tot Hardness asCaCO3 (SM 2340B	ug/L	803000		962000			

SAMPLE DUPLICATE: 269950

Parameter	Units	7044677001 Result	Dup Result	RPD	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	196000	201000	3	
Calcium	ug/L	78400	80600	3	
Hardness, Magnesium	ug/L	31500	32400	3	N3
Magnesium	ug/L	7660	7870	3	
Potassium	ug/L	8870	9130	3	
Sodium	ug/L	517000	532000	3	
Tot Hardness asCaCO3 (SM 2340B	ug/L	227000	234000	3	

SAMPLE DUPLICATE: 269952

Parameter	Units	7044677002 Result	Dup Result	RPD	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	664000	687000	3	
Calcium	ug/L	266000	275000	3	
Hardness, Magnesium	ug/L	138000	142000	3	N3
Magnesium	ug/L	33600	34600	3	
Potassium	ug/L	17100	17700	3	
Sodium	ug/L	1400000	1390000	1	
Tot Hardness asCaCO3 (SM 2340B	ug/L	803000	829000	3	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

QC Batch: 59658 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7044677012

METHOD BLANK: 273597 Matrix: Water
Associated Lab Samples: 7044677012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	<2500	2500	03/15/18 15:32	
Calcium	ug/L	<1000	1000	03/15/18 15:32	
Hardness, Magnesium	ug/L	<4100	4100	03/15/18 15:32	N3
Magnesium	ug/L	<1000	1000	03/15/18 15:32	
Potassium	ug/L	<5000	5000	03/15/18 15:32	
Sodium	ug/L	<5000	5000	03/15/18 15:32	
Tot Hardness asCaCO3 (SM 2340B	ug/L	<4100	4100	03/15/18 15:32	

LABORATORY CONTROL SAMPLE: 273598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L		63400			
Calcium	ug/L	25000	25400	102	85-115	
Hardness, Magnesium	ug/L		105000			N3
Magnesium	ug/L	25000	25400	102	85-115	
Potassium	ug/L	50000	50400	101	85-115	
Sodium	ug/L	50000	51000	102	85-115	
Tot Hardness asCaCO3 (SM 2340B	ug/L		168000			

MATRIX SPIKE SAMPLE: 273600

Parameter	Units	7045210003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L			77900			
Calcium	ug/L		25000	31200	99	70-130	
Hardness, Magnesium	ug/L			109000			N3
Magnesium	ug/L	1490	25000	26500	100	70-130	
Potassium	ug/L		50000	50400	99	70-130	
Sodium	ug/L		50000	59300	98	70-130	
Tot Hardness asCaCO3 (SM 2340B	ug/L			187000			

MATRIX SPIKE SAMPLE: 273602

Parameter	Units	7044677012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	62700		118000			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

MATRIX SPIKE SAMPLE: 273602

Parameter	Units	7044677012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	25100	25000	47400	89	70-130	
Hardness, Magnesium	ug/L	30900		131000			N3
Magnesium	ug/L	7510	25000	31800	97	70-130	
Potassium	ug/L	9010	50000	60600	103	70-130	
Sodium	ug/L	91800	50000	134000	84	70-130	
Tot Hardness asCaCO3 (SM 2340B	ug/L	93600		249000			

SAMPLE DUPLICATE: 273599

Parameter	Units	7045210003 Result	Dup Result	RPD	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L		15700	1	
Calcium	ug/L		6300	1	
Hardness, Magnesium	ug/L		6140	0	N3
Magnesium	ug/L	1490	1490	0	
Potassium	ug/L		<5000		
Sodium	ug/L		9920	2	
Tot Hardness asCaCO3 (SM 2340B	ug/L		21900	1	

SAMPLE DUPLICATE: 273601

Parameter	Units	7044677012 Result	Dup Result	RPD	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	62700	61200	2	
Calcium	ug/L	25100	24500	2	
Hardness, Magnesium	ug/L	30900	29200	6	N3
Magnesium	ug/L	7510	7100	6	
Potassium	ug/L	9010	8030	12	
Sodium	ug/L	91800	89500	3	
Tot Hardness asCaCO3 (SM 2340B	ug/L	93600	90400	3	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

QC Batch: 58965 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7044677001, 7044677002, 7044677004, 7044677006, 7044677007, 7044677008, 7044677009, 7044677011

METHOD BLANK: 270253 Matrix: Water
Associated Lab Samples: 7044677001, 7044677002, 7044677004, 7044677006, 7044677007, 7044677008, 7044677009, 7044677011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	03/08/18 15:52	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	03/08/18 15:52	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	03/08/18 15:52	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	03/08/18 15:52	
1,1-Dichloroethane	ug/L	<1.0	1.0	03/08/18 15:52	
1,1-Dichloroethene	ug/L	<1.0	1.0	03/08/18 15:52	
1,1-Dichloropropene	ug/L	<1.0	1.0	03/08/18 15:52	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	03/08/18 15:52	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	03/08/18 15:52	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	03/08/18 15:52	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	03/08/18 15:52	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	03/08/18 15:52	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	03/08/18 15:52	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	03/08/18 15:52	
1,2-Dichloroethane	ug/L	<1.0	1.0	03/08/18 15:52	
1,2-Dichloropropane	ug/L	<1.0	1.0	03/08/18 15:52	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	03/08/18 15:52	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	03/08/18 15:52	
1,3-Dichloropropane	ug/L	<1.0	1.0	03/08/18 15:52	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	03/08/18 15:52	
2,2-Dichloropropane	ug/L	<1.0	1.0	03/08/18 15:52	
2-Butanone (MEK)	ug/L	<5.0	5.0	03/08/18 15:52	
2-Chlorotoluene	ug/L	<1.0	1.0	03/08/18 15:52	
2-Hexanone	ug/L	<5.0	5.0	03/08/18 15:52	
4-Chlorotoluene	ug/L	<1.0	1.0	03/08/18 15:52	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	03/08/18 15:52	
Acetone	ug/L	<5.0	5.0	03/08/18 15:52	
Benzene	ug/L	<1.0	1.0	03/08/18 15:52	
Bromobenzene	ug/L	<1.0	1.0	03/08/18 15:52	
Bromochloromethane	ug/L	<1.0	1.0	03/08/18 15:52	
Bromodichloromethane	ug/L	<1.0	1.0	03/08/18 15:52	
Bromoform	ug/L	<1.0	1.0	03/08/18 15:52	
Bromomethane	ug/L	<1.0	1.0	03/08/18 15:52	
Carbon disulfide	ug/L	<1.0	1.0	03/08/18 15:52	
Carbon tetrachloride	ug/L	<1.0	1.0	03/08/18 15:52	
Chlorobenzene	ug/L	<1.0	1.0	03/08/18 15:52	
Chloroethane	ug/L	<1.0	1.0	03/08/18 15:52	
Chloroform	ug/L	<1.0	1.0	03/08/18 15:52	
Chloromethane	ug/L	<1.0	1.0	03/08/18 15:52	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	03/08/18 15:52	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	03/08/18 15:52	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

METHOD BLANK: 270253 Matrix: Water
Associated Lab Samples: 7044677001, 7044677002, 7044677004, 7044677006, 7044677007, 7044677008, 7044677009, 7044677011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<1.0	1.0	03/08/18 15:52	
Dibromomethane	ug/L	<1.0	1.0	03/08/18 15:52	
Dichlorodifluoromethane	ug/L	<1.0	1.0	03/08/18 15:52	CL
Ethylbenzene	ug/L	<1.0	1.0	03/08/18 15:52	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	03/08/18 15:52	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	03/08/18 15:52	
m&p-Xylene	ug/L	<2.0	2.0	03/08/18 15:52	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	03/08/18 15:52	
Methylene Chloride	ug/L	<1.0	1.0	03/08/18 15:52	
n-Butylbenzene	ug/L	<1.0	1.0	03/08/18 15:52	
n-Propylbenzene	ug/L	<1.0	1.0	03/08/18 15:52	
Naphthalene	ug/L	<1.0	1.0	03/08/18 15:52	
o-Xylene	ug/L	<1.0	1.0	03/08/18 15:52	
p-Isopropyltoluene	ug/L	<1.0	1.0	03/08/18 15:52	
sec-Butylbenzene	ug/L	<1.0	1.0	03/08/18 15:52	
Styrene	ug/L	<1.0	1.0	03/08/18 15:52	
tert-Butylbenzene	ug/L	<1.0	1.0	03/08/18 15:52	
Tetrachloroethene	ug/L	<1.0	1.0	03/08/18 15:52	
Toluene	ug/L	<1.0	1.0	03/08/18 15:52	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	03/08/18 15:52	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	03/08/18 15:52	
Trichloroethene	ug/L	<1.0	1.0	03/08/18 15:52	
Trichlorofluoromethane	ug/L	<1.0	1.0	03/08/18 15:52	
Vinyl acetate	ug/L	<1.0	1.0	03/08/18 15:52	
Vinyl chloride	ug/L	<1.0	1.0	03/08/18 15:52	
Xylene (Total)	ug/L	<3.0	3.0	03/08/18 15:52	
1,2-Dichloroethane-d4 (S)	%	95	68-153	03/08/18 15:52	
4-Bromofluorobenzene (S)	%	101	79-124	03/08/18 15:52	
Toluene-d8 (S)	%	102	69-124	03/08/18 15:52	

LABORATORY CONTROL SAMPLE: 270254

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.8	96	74-113	
1,1,1-Trichloroethane	ug/L	50	42.3	85	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	43.7	87	74-121	
1,1,2-Trichloroethane	ug/L	50	42.4	85	80-117	
1,1-Dichloroethane	ug/L	50	45.0	90	83-151	
1,1-Dichloroethene	ug/L	50	43.5	87	45-146	
1,1-Dichloropropene	ug/L	50	44.4	89	59-127	
1,2,3-Trichlorobenzene	ug/L	50	40.2	80	67-103	
1,2,3-Trichloropropane	ug/L	50	41.3	83	71-123	
1,2,4-Trichlorobenzene	ug/L	50	42.1	84	66-116	
1,2,4-Trimethylbenzene	ug/L	50	43.2	86	68-116	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

LABORATORY CONTROL SAMPLE: 270254

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	39.9	80	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	44.4	89	83-115	
1,2-Dichlorobenzene	ug/L	50	44.8	90	74-113	
1,2-Dichloroethane	ug/L	50	40.1	80	74-129	
1,2-Dichloropropane	ug/L	50	44.4	89	75-117	
1,3,5-Trimethylbenzene	ug/L	50	43.3	87	67-116	
1,3-Dichlorobenzene	ug/L	50	46.0	92	71-112	
1,3-Dichloropropane	ug/L	50	44.5	89	74-112	
1,4-Dichlorobenzene	ug/L	50	45.4	91	71-113	
2,2-Dichloropropane	ug/L	50	40.8	82	63-133	
2-Butanone (MEK)	ug/L	50	79.1	158	44-162	CH,IH
2-Chlorotoluene	ug/L	50	44.2	88	74-101	
2-Hexanone	ug/L	50	43.8	88	32-183	
4-Chlorotoluene	ug/L	50	45.1	90	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	43.0	86	69-132	
Acetone	ug/L	50	38.0	76	23-188	CH
Benzene	ug/L	50	44.2	88	73-119	
Bromobenzene	ug/L	50	45.3	91	72-102	
Bromochloromethane	ug/L	50	45.7	91	81-116	
Bromodichloromethane	ug/L	50	44.0	88	78-117	
Bromoform	ug/L	50	46.6	93	65-122	
Bromomethane	ug/L	50	44.3	89	52-147	
Carbon disulfide	ug/L	50	39.7	79	41-144	
Carbon tetrachloride	ug/L	50	42.7	85	59-120	
Chlorobenzene	ug/L	50	45.5	91	75-113	
Chloroethane	ug/L	50	40.6	81	49-151	
Chloroform	ug/L	50	42.7	85	72-122	
Chloromethane	ug/L	50	39.9	80	46-144	
cis-1,2-Dichloroethene	ug/L	50	45.6	91	72-121	
cis-1,3-Dichloropropene	ug/L	50	48.6	97	78-116	
Dibromochloromethane	ug/L	50	45.2	90	70-120	
Dibromomethane	ug/L	50	43.0	86	75-125	
Dichlorodifluoromethane	ug/L	50	30.2	60	22-154	CL
Ethylbenzene	ug/L	50	44.4	89	70-113	
Hexachloro-1,3-butadiene	ug/L	50	38.0	76	59-121	
Isopropylbenzene (Cumene)	ug/L	50	44.1	88	67-115	
m&p-Xylene	ug/L	100	89.5	89	72-115	
Methyl-tert-butyl ether	ug/L	50	44.2	88	72-131	
Methylene Chloride	ug/L	50	40.9	82	61-142	
n-Butylbenzene	ug/L	50	42.9	86	73-107	
n-Propylbenzene	ug/L	50	44.1	88	68-116	
Naphthalene	ug/L	50	41.3	83	70-118	
o-Xylene	ug/L	50	45.6	91	73-117	
p-Isopropyltoluene	ug/L	50	41.9	84	73-101	
sec-Butylbenzene	ug/L	50	43.8	88	72-103	
Styrene	ug/L	50	45.8	92	72-118	
tert-Butylbenzene	ug/L	50	43.6	87	68-100	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

LABORATORY CONTROL SAMPLE: 270254

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	45.6	91	60-128	
Toluene	ug/L	50	43.1	86	72-119	
trans-1,2-Dichloroethene	ug/L	50	44.8	90	56-142	
trans-1,3-Dichloropropene	ug/L	50	47.9	96	79-116	
Trichloroethene	ug/L	50	40.5	81	69-117	
Trichlorofluoromethane	ug/L	50	40.5	81	27-173	
Vinyl acetate	ug/L	50	36.4	73	20-158	
Vinyl chloride	ug/L	50	40.3	81	43-143	
Xylene (Total)	ug/L	150	135	90	71-109	
1,2-Dichloroethane-d4 (S)	%			94	68-153	
4-Bromofluorobenzene (S)	%			103	79-124	
Toluene-d8 (S)	%			103	69-124	

MATRIX SPIKE SAMPLE: 270626

Parameter	Units	7044677004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	49.8	100	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	48.9	98	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	47.8	96	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	47.5	95	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	52.8	106	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	53.5	107	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	53.1	106	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	46.7	93	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	45.1	90	71-123	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	46.9	94	66-116	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	46.8	94	68-116	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	42.2	84	74-119	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	48.2	96	83-115	
1,2-Dichlorobenzene	ug/L	<1.0	50	48.2	96	74-113	
1,2-Dichloroethane	ug/L	<1.0	50	44.0	88	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	50.1	100	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	47.0	94	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	49.0	98	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	47.7	95	74-112	
1,4-Dichlorobenzene	ug/L	<1.0	50	48.9	98	71-113	
2,2-Dichloropropane	ug/L	<1.0	50	43.2	86	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	87.2	174	44-162	CH,IH,M1
2-Chlorotoluene	ug/L	<1.0	50	48.2	96	74-101	
2-Hexanone	ug/L	<5.0	50	46.9	94	32-183	
4-Chlorotoluene	ug/L	<1.0	50	48.9	98	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	47.4	95	69-132	
Acetone	ug/L	<5.0	50	45.1	90	23-188	CH
Benzene	ug/L	<1.0	50	50.9	102	73-119	
Bromobenzene	ug/L	<1.0	50	48.5	97	72-102	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

MATRIX SPIKE SAMPLE: 270626

Parameter	Units	7044677004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	ug/L	<1.0	50	50.8	102	81-116	
Bromodichloromethane	ug/L	<1.0	50	48.1	96	78-117	
Bromoform	ug/L	<1.0	50	48.5	97	65-122	
Bromomethane	ug/L	<1.0	50	51.2	102	52-147	
Carbon disulfide	ug/L	<1.0	50	49.1	98	41-144	
Carbon tetrachloride	ug/L	<1.0	50	49.9	100	59-120	
Chlorobenzene	ug/L	<1.0	50	48.5	97	75-113	
Chloroethane	ug/L	<1.0	50	50.5	101	49-151	
Chloroform	ug/L	<1.0	50	48.8	98	72-122	
Chloromethane	ug/L	<1.0	50	49.0	98	46-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	52.7	105	72-121	
cis-1,3-Dichloropropene	ug/L	<1.0	50	52.3	105	78-116	
Dibromochloromethane	ug/L	<1.0	50	47.4	95	70-120	
Dibromomethane	ug/L	<1.0	50	47.5	95	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	36.2	72	22-154	CL
Ethylbenzene	ug/L	<1.0	50	48.6	97	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	41.6	83	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	48.7	97	67-115	
m&p-Xylene	ug/L	<2.0	100	97.1	97	72-115	
Methyl-tert-butyl ether	ug/L	<1.0	50	43.4	87	72-131	
Methylene Chloride	ug/L	<1.0	50	46.3	93	61-142	
n-Butylbenzene	ug/L	<1.0	50	47.1	94	73-107	
n-Propylbenzene	ug/L	<1.0	50	48.8	98	68-116	
Naphthalene	ug/L	<1.0	50	45.0	90	70-118	
o-Xylene	ug/L	<1.0	50	48.9	98	73-117	
p-Isopropyltoluene	ug/L	<1.0	50	45.8	92	73-101	
sec-Butylbenzene	ug/L	<1.0	50	47.7	95	72-103	
Styrene	ug/L	<1.0	50	48.6	97	72-118	
tert-Butylbenzene	ug/L	<1.0	50	48.0	96	68-100	
Tetrachloroethene	ug/L	<1.0	50	50.5	101	60-128	
Toluene	ug/L	<1.0	50	48.7	97	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	54.2	108	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50.5	101	79-116	
Trichloroethene	ug/L	<1.0	50	46.4	93	69-117	
Trichlorofluoromethane	ug/L	<1.0	50	49.8	100	27-173	
Vinyl acetate	ug/L	<1.0	50	37.8	76	20-158	
Vinyl chloride	ug/L	<1.0	50	52.3	105	43-143	
Xylene (Total)	ug/L	<3.0	150	146	97	71-109	
1,2-Dichloroethane-d4 (S)	%				96	68-153	
4-Bromofluorobenzene (S)	%				102	79-124	
Toluene-d8 (S)	%				101	69-124	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

SAMPLE DUPLICATE: 270627

Parameter	Units	7044677008 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromo-3-chloropropane	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichlorobenzene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	<1.0		
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<1.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		CL
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

SAMPLE DUPLICATE: 270627

Parameter	Units	7044677008 Result	Dup Result	RPD	Qualifiers
m&p-Xylene	ug/L	<2.0	<2.0		
Methyl-tert-butyl ether	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
Naphthalene	ug/L	<1.0	<1.0		
o-Xylene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Trichlorofluoromethane	ug/L	<1.0	<1.0		
Vinyl acetate	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	97	98	1	
4-Bromofluorobenzene (S)	%	101	100	1	
Toluene-d8 (S)	%	102	101	1	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

QC Batch: 59187 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7044677003, 7044677005, 7044677010

METHOD BLANK: 271513 Matrix: Water
Associated Lab Samples: 7044677003, 7044677005, 7044677010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	03/12/18 07:37	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	03/12/18 07:37	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	03/12/18 07:37	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	03/12/18 07:37	
1,1-Dichloroethane	ug/L	<1.0	1.0	03/12/18 07:37	
1,1-Dichloroethene	ug/L	<1.0	1.0	03/12/18 07:37	
1,1-Dichloropropene	ug/L	<1.0	1.0	03/12/18 07:37	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	03/12/18 07:37	CL
1,2,3-Trichloropropane	ug/L	<1.0	1.0	03/12/18 07:37	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	03/12/18 07:37	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	03/12/18 07:37	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	03/12/18 07:37	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	03/12/18 07:37	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	03/12/18 07:37	
1,2-Dichloroethane	ug/L	<1.0	1.0	03/12/18 07:37	
1,2-Dichloropropane	ug/L	<1.0	1.0	03/12/18 07:37	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	03/12/18 07:37	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	03/12/18 07:37	
1,3-Dichloropropane	ug/L	<1.0	1.0	03/12/18 07:37	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	03/12/18 07:37	
2,2-Dichloropropane	ug/L	<1.0	1.0	03/12/18 07:37	
2-Butanone (MEK)	ug/L	<5.0	5.0	03/12/18 07:37	
2-Chlorotoluene	ug/L	<1.0	1.0	03/12/18 07:37	
2-Hexanone	ug/L	<5.0	5.0	03/12/18 07:37	
4-Chlorotoluene	ug/L	<1.0	1.0	03/12/18 07:37	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	03/12/18 07:37	
Acetone	ug/L	<5.0	5.0	03/12/18 07:37	
Benzene	ug/L	<1.0	1.0	03/12/18 07:37	
Bromobenzene	ug/L	<1.0	1.0	03/12/18 07:37	
Bromochloromethane	ug/L	<1.0	1.0	03/12/18 07:37	
Bromodichloromethane	ug/L	<1.0	1.0	03/12/18 07:37	
Bromoform	ug/L	<1.0	1.0	03/12/18 07:37	
Bromomethane	ug/L	<1.0	1.0	03/12/18 07:37	
Carbon disulfide	ug/L	<1.0	1.0	03/12/18 07:37	
Carbon tetrachloride	ug/L	<1.0	1.0	03/12/18 07:37	
Chlorobenzene	ug/L	<1.0	1.0	03/12/18 07:37	
Chloroethane	ug/L	<1.0	1.0	03/12/18 07:37	
Chloroform	ug/L	<1.0	1.0	03/12/18 07:37	
Chloromethane	ug/L	<1.0	1.0	03/12/18 07:37	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	03/12/18 07:37	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	03/12/18 07:37	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

METHOD BLANK: 271513 Matrix: Water
Associated Lab Samples: 7044677003, 7044677005, 7044677010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<1.0	1.0	03/12/18 07:37	
Dibromomethane	ug/L	<1.0	1.0	03/12/18 07:37	
Dichlorodifluoromethane	ug/L	<1.0	1.0	03/12/18 07:37	
Ethylbenzene	ug/L	<1.0	1.0	03/12/18 07:37	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	03/12/18 07:37	CL
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	03/12/18 07:37	
m&p-Xylene	ug/L	<2.0	2.0	03/12/18 07:37	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	03/12/18 07:37	CL
Methylene Chloride	ug/L	<1.0	1.0	03/12/18 07:37	
n-Butylbenzene	ug/L	<1.0	1.0	03/12/18 07:37	
n-Propylbenzene	ug/L	<1.0	1.0	03/12/18 07:37	
Naphthalene	ug/L	<1.0	1.0	03/12/18 07:37	
o-Xylene	ug/L	<1.0	1.0	03/12/18 07:37	
p-Isopropyltoluene	ug/L	<1.0	1.0	03/12/18 07:37	
sec-Butylbenzene	ug/L	<1.0	1.0	03/12/18 07:37	
Styrene	ug/L	<1.0	1.0	03/12/18 07:37	
tert-Butylbenzene	ug/L	<1.0	1.0	03/12/18 07:37	
Tetrachloroethene	ug/L	<1.0	1.0	03/12/18 07:37	
Toluene	ug/L	<1.0	1.0	03/12/18 07:37	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	03/12/18 07:37	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	03/12/18 07:37	
Trichloroethene	ug/L	<1.0	1.0	03/12/18 07:37	
Trichlorofluoromethane	ug/L	<1.0	1.0	03/12/18 07:37	
Vinyl acetate	ug/L	<1.0	1.0	03/12/18 07:37	
Vinyl chloride	ug/L	<1.0	1.0	03/12/18 07:37	
Xylene (Total)	ug/L	<3.0	3.0	03/12/18 07:37	
1,2-Dichloroethane-d4 (S)	%	99	68-153	03/12/18 07:37	
4-Bromofluorobenzene (S)	%	100	79-124	03/12/18 07:37	
Toluene-d8 (S)	%	100	69-124	03/12/18 07:37	

LABORATORY CONTROL SAMPLE: 271514

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	45.9	92	74-113	
1,1,1-Trichloroethane	ug/L	50	44.3	89	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	43.7	87	74-121	
1,1,2-Trichloroethane	ug/L	50	43.2	86	80-117	
1,1-Dichloroethane	ug/L	50	48.0	96	83-151	
1,1-Dichloroethene	ug/L	50	47.1	94	45-146	
1,1-Dichloropropene	ug/L	50	47.2	94	59-127	
1,2,3-Trichlorobenzene	ug/L	50	37.3	75	67-103	CL
1,2,3-Trichloropropane	ug/L	50	41.6	83	71-123	
1,2,4-Trichlorobenzene	ug/L	50	39.0	78	66-116	
1,2,4-Trimethylbenzene	ug/L	50	42.8	86	68-116	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

LABORATORY CONTROL SAMPLE: 271514

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	40.4	81	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	44.0	88	83-115	
1,2-Dichlorobenzene	ug/L	50	44.0	88	74-113	
1,2-Dichloroethane	ug/L	50	40.9	82	74-129	
1,2-Dichloropropane	ug/L	50	47.1	94	75-117	
1,3,5-Trimethylbenzene	ug/L	50	42.9	86	67-116	
1,3-Dichlorobenzene	ug/L	50	45.0	90	71-112	
1,3-Dichloropropane	ug/L	50	44.0	88	74-112	
1,4-Dichlorobenzene	ug/L	50	44.3	89	71-113	
2,2-Dichloropropane	ug/L	50	43.1	86	63-133	
2-Butanone (MEK)	ug/L	50	75.8	152	44-162	CH,IH
2-Chlorotoluene	ug/L	50	44.6	89	74-101	
2-Hexanone	ug/L	50	44.2	88	32-183	
4-Chlorotoluene	ug/L	50	45.8	92	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	44.2	88	69-132	
Acetone	ug/L	50	37.0	74	23-188	
Benzene	ug/L	50	46.1	92	73-119	
Bromobenzene	ug/L	50	44.6	89	72-102	
Bromochloromethane	ug/L	50	46.2	92	81-116	
Bromodichloromethane	ug/L	50	45.1	90	78-117	
Bromoform	ug/L	50	45.1	90	65-122	
Bromomethane	ug/L	50	52.5	105	52-147	
Carbon disulfide	ug/L	50	45.2	90	41-144	
Carbon tetrachloride	ug/L	50	45.1	90	59-120	
Chlorobenzene	ug/L	50	43.9	88	75-113	
Chloroethane	ug/L	50	46.4	93	49-151	
Chloroform	ug/L	50	44.2	88	72-122	
Chloromethane	ug/L	50	56.6	113	46-144	CH
cis-1,2-Dichloroethene	ug/L	50	47.0	94	72-121	
cis-1,3-Dichloropropene	ug/L	50	49.9	100	78-116	
Dibromochloromethane	ug/L	50	43.4	87	70-120	
Dibromomethane	ug/L	50	43.4	87	75-125	
Dichlorodifluoromethane	ug/L	50	54.8	110	22-154	CH
Ethylbenzene	ug/L	50	43.4	87	70-113	
Hexachloro-1,3-butadiene	ug/L	50	35.5	71	59-121	CL
Isopropylbenzene (Cumene)	ug/L	50	44.5	89	67-115	
m&p-Xylene	ug/L	100	87.4	87	72-115	
Methyl-tert-butyl ether	ug/L	50	38.1	76	72-131	CL
Methylene Chloride	ug/L	50	41.8	84	61-142	
n-Butylbenzene	ug/L	50	41.8	84	73-107	
n-Propylbenzene	ug/L	50	44.5	89	68-116	
Naphthalene	ug/L	50	40.2	80	70-118	
o-Xylene	ug/L	50	44.6	89	73-117	
p-Isopropyltoluene	ug/L	50	40.7	81	73-101	
sec-Butylbenzene	ug/L	50	42.5	85	72-103	
Styrene	ug/L	50	45.2	90	72-118	
tert-Butylbenzene	ug/L	50	42.8	86	68-100	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

LABORATORY CONTROL SAMPLE: 271514

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	44.7	89	60-128	
Toluene	ug/L	50	44.2	88	72-119	
trans-1,2-Dichloroethene	ug/L	50	47.1	94	56-142	
trans-1,3-Dichloropropene	ug/L	50	49.2	98	79-116	
Trichloroethene	ug/L	50	41.8	84	69-117	
Trichlorofluoromethane	ug/L	50	45.7	91	27-173	
Vinyl acetate	ug/L	50	41.5	83	20-158	
Vinyl chloride	ug/L	50	53.1	106	43-143	
Xylene (Total)	ug/L	150	132	88	71-109	
1,2-Dichloroethane-d4 (S)	%			98	68-153	
4-Bromofluorobenzene (S)	%			102	79-124	
Toluene-d8 (S)	%			101	69-124	

MATRIX SPIKE SAMPLE: 271940

Parameter	Units	7044677003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	48.3	97	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	50.1	100	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	47.9	96	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	47.7	95	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	54.7	109	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	54.1	108	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	54.1	108	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	41.7	83	67-103	CL
1,2,3-Trichloropropane	ug/L	<1.0	50	43.8	88	71-123	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	43.1	86	66-116	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	46.7	93	68-116	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	40.6	81	74-119	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	47.6	95	83-115	
1,2-Dichlorobenzene	ug/L	<1.0	50	47.9	96	74-113	
1,2-Dichloroethane	ug/L	<1.0	50	45.2	90	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	52.0	104	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	47.4	95	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	49.2	98	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	46.7	93	74-112	
1,4-Dichlorobenzene	ug/L	<1.0	50	48.6	97	71-113	
2,2-Dichloropropane	ug/L	<1.0	50	48.3	97	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	84.7	169	44-162	CH,IH,M1
2-Chlorotoluene	ug/L	<1.0	50	49.1	98	74-101	
2-Hexanone	ug/L	<5.0	50	46.9	94	32-183	
4-Chlorotoluene	ug/L	<1.0	50	50.3	101	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	47.9	96	69-132	
Acetone	ug/L	<5.0	50	40.5	78	23-188	
Benzene	ug/L	<1.0	50	52.0	104	73-119	
Bromobenzene	ug/L	<1.0	50	49.1	98	72-102	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

MATRIX SPIKE SAMPLE: 271940

Parameter	Units	7044677003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	ug/L	<1.0	50	49.9	100	81-116	
Bromodichloromethane	ug/L	<1.0	50	48.5	97	78-117	
Bromoform	ug/L	<1.0	50	45.9	92	65-122	
Bromomethane	ug/L	<1.0	50	55.6	111	52-147	
Carbon disulfide	ug/L	<1.0	50	52.1	104	41-144	
Carbon tetrachloride	ug/L	<1.0	50	50.1	100	59-120	
Chlorobenzene	ug/L	<1.0	50	47.8	96	75-113	
Chloroethane	ug/L	<1.0	50	52.5	105	49-151	
Chloroform	ug/L	<1.0	50	49.0	98	72-122	
Chloromethane	ug/L	<1.0	50	63.6	127	46-144	CH
cis-1,2-Dichloroethene	ug/L	5.5	50	58.6	106	72-121	
cis-1,3-Dichloropropene	ug/L	<1.0	50	54.2	108	78-116	
Dibromochloromethane	ug/L	<1.0	50	45.4	91	70-120	
Dibromomethane	ug/L	<1.0	50	46.8	94	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	58.3	117	22-154	CH
Ethylbenzene	ug/L	<1.0	50	48.3	97	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	37.9	76	59-121	CL
Isopropylbenzene (Cumene)	ug/L	<1.0	50	49.6	99	67-115	
m&p-Xylene	ug/L	<2.0	100	96.6	97	72-115	
Methyl-tert-butyl ether	ug/L	<1.0	50	43.5	87	72-131	CL
Methylene Chloride	ug/L	<1.0	50	46.3	93	61-142	
n-Butylbenzene	ug/L	<1.0	50	45.6	91	73-107	
n-Propylbenzene	ug/L	<1.0	50	49.5	99	68-116	
Naphthalene	ug/L	<1.0	50	41.9	84	70-118	
o-Xylene	ug/L	<1.0	50	47.9	96	73-117	
p-Isopropyltoluene	ug/L	<1.0	50	45.0	90	73-101	
sec-Butylbenzene	ug/L	<1.0	50	47.1	94	72-103	
Styrene	ug/L	<1.0	50	48.0	96	72-118	
tert-Butylbenzene	ug/L	<1.0	50	47.7	95	68-100	
Tetrachloroethene	ug/L	<1.0	50	49.6	99	60-128	
Toluene	ug/L	<1.0	50	49.5	99	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	55.2	110	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	52.3	105	79-116	
Trichloroethene	ug/L	<1.0	50	46.6	93	69-117	
Trichlorofluoromethane	ug/L	<1.0	50	51.3	103	27-173	
Vinyl acetate	ug/L	<1.0	50	48.6	97	20-158	
Vinyl chloride	ug/L	<1.0	50	61.9	124	43-143	
Xylene (Total)	ug/L	<3.0	150	145	96	71-109	
1,2-Dichloroethane-d4 (S)	%				99	68-153	
4-Bromofluorobenzene (S)	%				103	79-124	
Toluene-d8 (S)	%				100	69-124	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

SAMPLE DUPLICATE: 271941

Parameter	Units	7044677003 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		CL
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromo-3-chloropropane	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichlorobenzene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	<1.0		
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<1.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	5.5	5.4	2	
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		CL
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

SAMPLE DUPLICATE: 271941

Parameter	Units	7044677003 Result	Dup Result	RPD	Qualifiers
m&p-Xylene	ug/L	<2.0	<2.0		
Methyl-tert-butyl ether	ug/L	<1.0	<1.0		CL
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
Naphthalene	ug/L	<1.0	<1.0		
o-Xylene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Trichlorofluoromethane	ug/L	<1.0	<1.0		
Vinyl acetate	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	101	100	1	
4-Bromofluorobenzene (S)	%	99	101	1	
Toluene-d8 (S)	%	100	100	0	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

QC Batch: 59561 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7044677012

METHOD BLANK: 273018 Matrix: Water
Associated Lab Samples: 7044677012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	03/14/18 08:01	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	03/14/18 08:01	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	03/14/18 08:01	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	03/14/18 08:01	
1,1-Dichloroethane	ug/L	<1.0	1.0	03/14/18 08:01	
1,1-Dichloroethene	ug/L	<1.0	1.0	03/14/18 08:01	
1,1-Dichloropropene	ug/L	<1.0	1.0	03/14/18 08:01	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	03/14/18 08:01	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	03/14/18 08:01	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	03/14/18 08:01	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	03/14/18 08:01	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	03/14/18 08:01	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	03/14/18 08:01	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	03/14/18 08:01	
1,2-Dichloroethane	ug/L	<1.0	1.0	03/14/18 08:01	
1,2-Dichloropropane	ug/L	<1.0	1.0	03/14/18 08:01	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	03/14/18 08:01	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	03/14/18 08:01	
1,3-Dichloropropane	ug/L	<1.0	1.0	03/14/18 08:01	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	03/14/18 08:01	
2,2-Dichloropropane	ug/L	<1.0	1.0	03/14/18 08:01	
2-Butanone (MEK)	ug/L	<5.0	5.0	03/14/18 08:01	
2-Chlorotoluene	ug/L	<1.0	1.0	03/14/18 08:01	
2-Hexanone	ug/L	<5.0	5.0	03/14/18 08:01	
4-Chlorotoluene	ug/L	<1.0	1.0	03/14/18 08:01	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	03/14/18 08:01	
Acetone	ug/L	<5.0	5.0	03/14/18 08:01	
Benzene	ug/L	<1.0	1.0	03/14/18 08:01	
Bromobenzene	ug/L	<1.0	1.0	03/14/18 08:01	
Bromochloromethane	ug/L	<1.0	1.0	03/14/18 08:01	
Bromodichloromethane	ug/L	<1.0	1.0	03/14/18 08:01	
Bromoform	ug/L	<1.0	1.0	03/14/18 08:01	
Bromomethane	ug/L	<1.0	1.0	03/14/18 08:01	
Carbon disulfide	ug/L	<1.0	1.0	03/14/18 08:01	
Carbon tetrachloride	ug/L	<1.0	1.0	03/14/18 08:01	
Chlorobenzene	ug/L	<1.0	1.0	03/14/18 08:01	
Chloroethane	ug/L	<1.0	1.0	03/14/18 08:01	
Chloroform	ug/L	<1.0	1.0	03/14/18 08:01	
Chloromethane	ug/L	<1.0	1.0	03/14/18 08:01	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	03/14/18 08:01	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	03/14/18 08:01	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

METHOD BLANK: 273018 Matrix: Water
Associated Lab Samples: 7044677012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<1.0	1.0	03/14/18 08:01	
Dibromomethane	ug/L	<1.0	1.0	03/14/18 08:01	
Dichlorodifluoromethane	ug/L	<1.0	1.0	03/14/18 08:01	
Ethylbenzene	ug/L	<1.0	1.0	03/14/18 08:01	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	03/14/18 08:01	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	03/14/18 08:01	
m&p-Xylene	ug/L	<2.0	2.0	03/14/18 08:01	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	03/14/18 08:01	
Methylene Chloride	ug/L	<1.0	1.0	03/14/18 08:01	
n-Butylbenzene	ug/L	<1.0	1.0	03/14/18 08:01	
n-Propylbenzene	ug/L	<1.0	1.0	03/14/18 08:01	
Naphthalene	ug/L	<1.0	1.0	03/14/18 08:01	
o-Xylene	ug/L	<1.0	1.0	03/14/18 08:01	
p-Isopropyltoluene	ug/L	<1.0	1.0	03/14/18 08:01	
sec-Butylbenzene	ug/L	<1.0	1.0	03/14/18 08:01	
Styrene	ug/L	<1.0	1.0	03/14/18 08:01	
tert-Butylbenzene	ug/L	<1.0	1.0	03/14/18 08:01	
Tetrachloroethene	ug/L	<1.0	1.0	03/14/18 08:01	
Toluene	ug/L	<1.0	1.0	03/14/18 08:01	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	03/14/18 08:01	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	03/14/18 08:01	
Trichloroethene	ug/L	<1.0	1.0	03/14/18 08:01	
Trichlorofluoromethane	ug/L	<1.0	1.0	03/14/18 08:01	
Vinyl acetate	ug/L	<1.0	1.0	03/14/18 08:01	
Vinyl chloride	ug/L	<1.0	1.0	03/14/18 08:01	
Xylene (Total)	ug/L	<3.0	3.0	03/14/18 08:01	
1,2-Dichloroethane-d4 (S)	%	99	68-153	03/14/18 08:01	
4-Bromofluorobenzene (S)	%	100	79-124	03/14/18 08:01	
Toluene-d8 (S)	%	99	69-124	03/14/18 08:01	

LABORATORY CONTROL SAMPLE: 273019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	43.0	86	74-113	
1,1,1-Trichloroethane	ug/L	50	40.8	82	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	43.3	87	74-121	
1,1,2-Trichloroethane	ug/L	50	42.7	85	80-117	
1,1-Dichloroethane	ug/L	50	44.4	89	83-151	
1,1-Dichloroethene	ug/L	50	42.3	85	45-146	
1,1-Dichloropropene	ug/L	50	43.6	87	59-127	
1,2,3-Trichlorobenzene	ug/L	50	38.0	76	67-103	
1,2,3-Trichloropropane	ug/L	50	40.8	82	71-123	
1,2,4-Trichlorobenzene	ug/L	50	38.5	77	66-116	
1,2,4-Trimethylbenzene	ug/L	50	40.7	81	68-116	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

LABORATORY CONTROL SAMPLE: 273019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	40.6	81	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	43.2	86	83-115	
1,2-Dichlorobenzene	ug/L	50	43.2	86	74-113	
1,2-Dichloroethane	ug/L	50	39.5	79	74-129	
1,2-Dichloropropane	ug/L	50	44.7	89	75-117	
1,3,5-Trimethylbenzene	ug/L	50	40.9	82	67-116	
1,3-Dichlorobenzene	ug/L	50	43.8	88	71-112	
1,3-Dichloropropane	ug/L	50	42.3	85	74-112	
1,4-Dichlorobenzene	ug/L	50	43.3	87	71-113	
2,2-Dichloropropane	ug/L	50	39.6	79	63-133	
2-Butanone (MEK)	ug/L	50	73.7	147	44-162	CH,IH
2-Chlorotoluene	ug/L	50	42.3	85	74-101	
2-Hexanone	ug/L	50	43.6	87	32-183	
4-Chlorotoluene	ug/L	50	43.8	88	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	44.1	88	69-132	
Acetone	ug/L	50	36.9	74	23-188	
Benzene	ug/L	50	43.1	86	73-119	
Bromobenzene	ug/L	50	42.9	86	72-102	
Bromochloromethane	ug/L	50	43.4	87	81-116	
Bromodichloromethane	ug/L	50	42.4	85	78-117	
Bromoform	ug/L	50	44.2	88	65-122	
Bromomethane	ug/L	50	44.6	89	52-147	
Carbon disulfide	ug/L	50	39.1	78	41-144	
Carbon tetrachloride	ug/L	50	41.6	83	59-120	
Chlorobenzene	ug/L	50	41.6	83	75-113	
Chloroethane	ug/L	50	40.1	80	49-151	
Chloroform	ug/L	50	41.6	83	72-122	
Chloromethane	ug/L	50	45.7	91	46-144	
cis-1,2-Dichloroethene	ug/L	50	43.7	87	72-121	
cis-1,3-Dichloropropene	ug/L	50	47.7	95	78-116	
Dibromochloromethane	ug/L	50	41.9	84	70-120	
Dibromomethane	ug/L	50	42.1	84	75-125	
Dichlorodifluoromethane	ug/L	50	40.3	81	22-154	
Ethylbenzene	ug/L	50	41.0	82	70-113	
Hexachloro-1,3-butadiene	ug/L	50	35.1	70	59-121	
Isopropylbenzene (Cumene)	ug/L	50	41.9	84	67-115	
m&p-Xylene	ug/L	100	82.1	82	72-115	
Methyl-tert-butyl ether	ug/L	50	38.5	77	72-131	
Methylene Chloride	ug/L	50	43.8	88	61-142	
n-Butylbenzene	ug/L	50	39.7	79	73-107	
n-Propylbenzene	ug/L	50	41.9	84	68-116	
Naphthalene	ug/L	50	39.5	79	70-118	
o-Xylene	ug/L	50	41.8	84	73-117	
p-Isopropyltoluene	ug/L	50	39.0	78	73-101	
sec-Butylbenzene	ug/L	50	40.2	80	72-103	
Styrene	ug/L	50	42.4	85	72-118	
tert-Butylbenzene	ug/L	50	40.5	81	68-100	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

LABORATORY CONTROL SAMPLE: 273019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	41.6	83	60-128	
Toluene	ug/L	50	41.4	83	72-119	
trans-1,2-Dichloroethene	ug/L	50	44.5	89	56-142	
trans-1,3-Dichloropropene	ug/L	50	47.1	94	79-116	
Trichloroethene	ug/L	50	38.7	77	69-117	
Trichlorofluoromethane	ug/L	50	40.2	80	27-173	
Vinyl acetate	ug/L	50	40.7	81	20-158	
Vinyl chloride	ug/L	50	44.5	89	43-143	
Xylene (Total)	ug/L	150	124	83	71-109	
1,2-Dichloroethane-d4 (S)	%			96	68-153	
4-Bromofluorobenzene (S)	%			102	79-124	
Toluene-d8 (S)	%			100	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 273020 273021

Parameter	Units	7044677012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	50	51.1	50.5	102	101	74-113	1	
1,1,1-Trichloroethane	ug/L	<1.0	50	50	51.6	51.0	103	102	65-118	1	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	48.2	47.1	96	94	74-121	2	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	48.7	48.3	97	97	80-117	1	
1,1-Dichloroethane	ug/L	<1.0	50	50	56.0	54.1	112	108	83-151	3	
1,1-Dichloroethene	ug/L	<1.0	50	50	55.3	52.6	111	105	45-146	5	
1,1-Dichloropropene	ug/L	<1.0	50	50	55.9	54.9	112	110	59-127	2	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	42.1	44.8	84	90	67-103	6	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	44.5	44.8	89	90	71-123	1	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	43.6	44.2	87	88	66-116	1	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50	47.1	46.2	94	92	68-116	2	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	44.3	45.2	89	90	74-119	2	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	49.2	49.0	98	98	83-115	1	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	49.2	48.0	98	96	74-113	3	
1,2-Dichloroethane	ug/L	<1.0	50	50	46.5	44.8	93	90	74-129	4	
1,2-Dichloropropane	ug/L	<1.0	50	50	52.8	52.7	106	105	75-117	0	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50	47.8	46.6	96	93	67-116	2	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	49.7	48.9	99	98	71-112	1	
1,3-Dichloropropane	ug/L	<1.0	50	50	48.5	47.1	97	94	74-112	3	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	49.3	48.6	99	97	71-113	1	
2,2-Dichloropropane	ug/L	<1.0	50	50	52.6	51.6	105	103	63-133	2	
2-Butanone (MEK)	ug/L	<5.0	50	50	86.6	82.9	173	166	44-162	4	CH,IH,M1
2-Chlorotoluene	ug/L	<1.0	50	50	49.6	48.4	99	97	74-101	2	
2-Hexanone	ug/L	<5.0	50	50	47.4	49.1	95	98	32-183	4	
4-Chlorotoluene	ug/L	<1.0	50	50	50.9	49.7	102	99	74-101	2	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	49.1	49.1	98	98	69-132	0	
Acetone	ug/L	<5.0	50	50	41.7	41.3	80	80	23-188	1	
Benzene	ug/L	<1.0	50	50	53.2	52.2	106	104	73-119	2	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 273020 273021

Parameter	Units	7044677012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Bromobenzene	ug/L	<1.0	50	50	49.2	48.3	98	97	72-102	2	
Bromochloromethane	ug/L	<1.0	50	50	51.6	50.0	103	100	81-116	3	
Bromodichloromethane	ug/L	<1.0	50	50	50.9	50.1	102	100	78-117	2	
Bromoform	ug/L	<1.0	50	50	49.1	49.7	98	99	65-122	1	
Bromomethane	ug/L	<1.0	50	50	55.0	53.7	110	107	52-147	2	
Carbon disulfide	ug/L	<1.0	50	50	51.9	49.8	104	100	41-144	4	
Carbon tetrachloride	ug/L	<1.0	50	50	53.4	52.7	107	105	59-120	1	
Chlorobenzene	ug/L	<1.0	50	50	49.4	48.8	99	98	75-113	1	
Chloroethane	ug/L	<1.0	50	50	53.1	50.6	106	101	49-151	5	
Chloroform	ug/L	<1.0	50	50	51.4	49.5	103	99	72-122	4	
Chloromethane	ug/L	<1.0	50	50	57.9	56.5	116	113	46-144	3	
cis-1,2-Dichloroethene	ug/L	1.1	50	50	55.1	53.4	108	105	72-121	3	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	56.3	56.4	113	113	78-116	0	
Dibromochloromethane	ug/L	<1.0	50	50	48.3	48.3	97	97	70-120	0	
Dibromomethane	ug/L	<1.0	50	50	48.9	48.4	98	97	75-125	1	
Dichlorodifluoromethane	ug/L	<1.0	50	50	48.7	47.1	97	94	22-154	3	
Ethylbenzene	ug/L	<1.0	50	50	49.7	48.2	99	96	70-113	3	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	38.0	39.4	76	79	59-121	4	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	50.3	48.7	101	97	67-115	3	
m&p-Xylene	ug/L	<2.0	100	100	98.7	97.2	99	97	72-115	2	
Methyl-tert-butyl ether	ug/L	<1.0	50	50	44.9	43.6	90	87	72-131	3	
Methylene Chloride	ug/L	<1.0	50	50	50.5	46.2	101	92	61-142	9	
n-Butylbenzene	ug/L	<1.0	50	50	45.9	45.2	92	90	73-107	2	
n-Propylbenzene	ug/L	<1.0	50	50	50.0	48.6	100	97	68-116	3	
Naphthalene	ug/L	<1.0	50	50	43.4	45.8	87	92	70-118	5	
o-Xylene	ug/L	<1.0	50	50	49.0	49.0	98	98	73-117	0	
p-Isopropyltoluene	ug/L	<1.0	50	50	45.2	44.4	90	89	73-101	2	
sec-Butylbenzene	ug/L	<1.0	50	50	47.4	46.8	95	94	72-103	1	
Styrene	ug/L	<1.0	50	50	49.3	48.7	99	97	72-118	1	
tert-Butylbenzene	ug/L	<1.0	50	50	47.7	46.7	95	93	68-100	2	
Tetrachloroethene	ug/L	<1.0	50	50	52.5	52.0	105	104	60-128	1	
Toluene	ug/L	<1.0	50	50	50.9	50.4	102	101	72-119	1	
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	56.6	53.8	113	108	56-142	5	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	55.3	55.3	111	111	79-116	0	
Trichloroethene	ug/L	<1.0	50	50	49.2	48.5	98	97	69-117	1	
Trichlorofluoromethane	ug/L	<1.0	50	50	52.1	50.1	104	100	27-173	4	
Vinyl acetate	ug/L	<1.0	50	50	49.8	48.4	100	97	20-158	3	
Vinyl chloride	ug/L	<1.0	50	50	57.4	55.8	115	112	43-143	3	
Xylene (Total)	ug/L	<3.0	150	150	148	146	98	97	71-109	1	
1,2-Dichloroethane-d4 (S)	%						94	98	68-153		
4-Bromofluorobenzene (S)	%						101	101	79-124		
Toluene-d8 (S)	%						100	100	69-124		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

QC Batch: 60241 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 7044677001, 7044677002, 7044677003, 7044677004, 7044677005, 7044677006, 7044677007, 7044677008, 7044677009, 7044677010, 7044677012

METHOD BLANK: 276074 Matrix: Water
Associated Lab Samples: 7044677001, 7044677002, 7044677003, 7044677004, 7044677005, 7044677006, 7044677007, 7044677008, 7044677009, 7044677010, 7044677012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	03/20/18 11:05	
Sulfate	mg/L	<5.0	5.0	03/20/18 11:05	

LABORATORY CONTROL SAMPLE: 276075

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.9	99	90-110	
Sulfate	mg/L	10	10.7	107	90-110	

MATRIX SPIKE SAMPLE: 276076

Parameter	Units	7044677012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	124	50	172	96	80-120	
Sulfate	mg/L	ND	50	59.6	97	80-120	

SAMPLE DUPLICATE: 276077

Parameter	Units	7044677012 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	124	122	2	
Sulfate	mg/L	ND	<25.0		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

QC Batch: 58840 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7044677001, 7044677002, 7044677003, 7044677004, 7044677005, 7044677006, 7044677007, 7044677008, 7044677009, 7044677010

METHOD BLANK: 269862 Matrix: Water
Associated Lab Samples: 7044677001, 7044677002, 7044677003, 7044677004, 7044677005, 7044677006, 7044677007, 7044677008, 7044677009, 7044677010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	03/08/18 06:15	

LABORATORY CONTROL SAMPLE: 269863

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	105	90-110	

MATRIX SPIKE SAMPLE: 269864

Parameter	Units	7044655001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.57	114	90-110	M1

MATRIX SPIKE SAMPLE: 269866

Parameter	Units	7044635001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.55	110	90-110	

SAMPLE DUPLICATE: 269865

Parameter	Units	7044655001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 269867

Parameter	Units	7044635001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

QC Batch: 59452
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7044677012

METHOD BLANK: 272627 Matrix: Water
Associated Lab Samples: 7044677012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	03/13/18 19:39	

LABORATORY CONTROL SAMPLE: 272629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.1	106	90-110	

MATRIX SPIKE SAMPLE: 272630

Parameter	Units	7044677012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.57	114	90-110	M1

MATRIX SPIKE SAMPLE: 272632

Parameter	Units	7045144003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.56	111	90-110	M1

SAMPLE DUPLICATE: 272631

Parameter	Units	7044677012 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 272633

Parameter	Units	7045144003 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

QC Batch: 58842 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate, Unpres.
Associated Lab Samples: 7044677001, 7044677002, 7044677003, 7044677004, 7044677005, 7044677006, 7044677007, 7044677008, 7044677009, 7044677010

METHOD BLANK: 269874 Matrix: Water
Associated Lab Samples: 7044677001, 7044677002, 7044677003, 7044677004, 7044677005, 7044677006, 7044677007, 7044677008, 7044677009, 7044677010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	03/08/18 07:51	

LABORATORY CONTROL SAMPLE: 269875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	100	90-110	

MATRIX SPIKE SAMPLE: 269876

Parameter	Units	7044655001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.6	5	8.5	97	90-110	

MATRIX SPIKE SAMPLE: 269878

Parameter	Units	7044635001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	.5	0.51	101	90-110	H1

SAMPLE DUPLICATE: 269877

Parameter	Units	7044655001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.6	3.8	4	

SAMPLE DUPLICATE: 269879

Parameter	Units	7044635001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

QC Batch: 59464 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate, Unpres.
Associated Lab Samples: 7044677012

METHOD BLANK: 272789 Matrix: Water
Associated Lab Samples: 7044677012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	03/13/18 21:16	

LABORATORY CONTROL SAMPLE: 272790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 272791

Parameter	Units	7044677012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.24	.5	0.74	100	90-110	

MATRIX SPIKE SAMPLE: 272793

Parameter	Units	7045144003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	.5	0.45	91	90-110	

SAMPLE DUPLICATE: 272792

Parameter	Units	7044677012 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.24	0.24	1	

SAMPLE DUPLICATE: 272794

Parameter	Units	7045144003 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 7044677001
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7044677002
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7044677003
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7044677004
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7044677005
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7044677006
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7044677007
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7044677008
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7044677009
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

SAMPLE QUALIFIERS

Sample: 7044677010
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7044677011
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 270254
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 270627
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 271514
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 271940
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 271941
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7044677012
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 273019
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 273020
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 273021
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
H1	Analysis conducted outside the EPA method holding time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7044677001	MW-19	EPA 200.7	58867	EPA 200.7	58873
7044677002	MW-46	EPA 200.7	58867	EPA 200.7	58873
7044677003	MW-62	EPA 200.7	58867	EPA 200.7	58873
7044677004	MW-64S	EPA 200.7	58867	EPA 200.7	58873
7044677005	MW-64D	EPA 200.7	58867	EPA 200.7	58873
7044677006	MW-67	EPA 200.7	58867	EPA 200.7	58873
7044677007	MW-68	EPA 200.7	58867	EPA 200.7	58873
7044677008	MW-70S	EPA 200.7	58867	EPA 200.7	58873
7044677009	MW-70D	EPA 200.7	58867	EPA 200.7	58873
7044677010	DUP X	EPA 200.7	58867	EPA 200.7	58873
7044677012	MW-65	EPA 200.7	59658	EPA 200.7	59664
7044677001	MW-19	EPA 8260C/5030C	58965		
7044677002	MW-46	EPA 8260C/5030C	58965		
7044677003	MW-62	EPA 8260C/5030C	59187		
7044677004	MW-64S	EPA 8260C/5030C	58965		
7044677005	MW-64D	EPA 8260C/5030C	59187		
7044677006	MW-67	EPA 8260C/5030C	58965		
7044677007	MW-68	EPA 8260C/5030C	58965		
7044677008	MW-70S	EPA 8260C/5030C	58965		
7044677009	MW-70D	EPA 8260C/5030C	58965		
7044677010	DUP X	EPA 8260C/5030C	59187		
7044677011	TRIP BLANK	EPA 8260C/5030C	58965		
7044677012	MW-65	EPA 8260C/5030C	59561		
7044677001	MW-19	EPA 300.0	60241		
7044677002	MW-46	EPA 300.0	60241		
7044677003	MW-62	EPA 300.0	60241		
7044677004	MW-64S	EPA 300.0	60241		
7044677005	MW-64D	EPA 300.0	60241		
7044677006	MW-67	EPA 300.0	60241		
7044677007	MW-68	EPA 300.0	60241		
7044677008	MW-70S	EPA 300.0	60241		
7044677009	MW-70D	EPA 300.0	60241		
7044677010	DUP X	EPA 300.0	60241		
7044677012	MW-65	EPA 300.0	60241		
7044677001	MW-19	EPA 353.2	58842		
7044677002	MW-46	EPA 353.2	58842		
7044677003	MW-62	EPA 353.2	58842		
7044677004	MW-64S	EPA 353.2	58842		
7044677005	MW-64D	EPA 353.2	58842		
7044677006	MW-67	EPA 353.2	58842		
7044677007	MW-68	EPA 353.2	58842		
7044677008	MW-70S	EPA 353.2	58842		
7044677009	MW-70D	EPA 353.2	58842		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7044677010	**DUP X**	EPA 353.2	58842		
7044677012	**MW-65**	EPA 353.2	59464		
7044677001	**MW-19**	EPA 353.2	58840		
7044677002	**MW-46**	EPA 353.2	58840		
7044677003	**MW-62**	EPA 353.2	58840		
7044677004	**MW-64S**	EPA 353.2	58840		
7044677005	**MW-64D**	EPA 353.2	58840		
7044677006	**MW-67**	EPA 353.2	58840		
7044677007	**MW-68**	EPA 353.2	58840		
7044677008	**MW-70S**	EPA 353.2	58840		
7044677009	**MW-70D**	EPA 353.2	58840		
7044677010	**DUP X**	EPA 353.2	58840		
7044677012	**MW-65**	EPA 353.2	59452		

Pace Analytical
www.pacelabs.com

CHAIN-OF-C[illegible]nt

The Chain-of-Custod[illegible]ly.

WO#:7044677

PM: CNP Due Date: 03/13/18

CLIENT: B&L

Page: 1 of 1

Section A — Required Client Information:

Company:	BARTON & LOGUIDICE DPC
Address:	10 AIRLINE DR., SUITE 200
	ALBANY, NY 12205
Email To:	
Phone: (518)218-1801	Fax: (518)218-1805
Requested Due Date/TAT:	STANDARD

Section B — Required Project Information:

Report To:	ANDY BARBER
Copy To:	CORINNE STEINMUELLER
PROJECT:	ALCO (DISCHARGE)

Section C — Invoice Information:

Attention:	
Company Name:	PACE ANALYTICAL SERVICES
Address:	NYAP@PACELABS.COM
Pace Project Manager:	CAITLIN PANZARELLA

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER_____

Section D — Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	CONTAINER SIZE	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analys: VOC 624	SVOC 625	TSS	CR+6/PH	TOTAL CN	O&G (1664)	METALS	PHENOLS	PCB	Pace Project No. Lab I.D.
1	MW-65 (MS/MSD)	WT	G	3/12/18	7:30					X	X	X	X	X													
2																											
3	Discharge				10:00				15	11	1	1	1	1					X	X	X	X	X	X	X	X	X	
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
METALS:	[signature] / B&L	3/12/18	11:05	[signature] (PACE)	3/12/18	11:05
	[signature] (PACE)	3/12/18	16:00	VIA FED EX →		
				[signature]	3/13/18	11:00

SAMPLE CONDITIONS

5.4	Y/N	Y/N	Y/N	Temp in °C
	Y/N	Y/N	Y/N	Received on Ice
5.2	Y/N	Y/N	Y/N	Custody Sealed Cooler
	Y/N	Y/N	Y/N	Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Corinne Steinmuller

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 3/12/18

Sample Condition Upon Receipt

Pace Analytical™ Long Island Laboratory

Client Name: B+L

Projec WO#:7044677

PM: CNP Due Date: 03/13/18

CLIENT: B&L

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 4099 9471 0739

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals intact: ☑ Yes ☐ No

Temperature Blank Present: ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☑ Ziploc ☐ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 3.2 Cooler Temperature Corrected (°C): 3.2

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)

Date and Initials of person examining contents: SB 3/13/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

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

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC613865				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable): _____				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

*** PM (Project Manager) review is documented electronically in LIMS.**

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

September 18, 2018

Corinne Steinmuller
Barton and Loguidice
10 Airline Drive Suite 200
Albany,

RE: Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Dear Corinne Steinmuller:
Enclosed are the analytical results for sample(s) received by the laboratory on September 06, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Andy Barber, B&L

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-19 **Lab ID: 7063856001** Collected: 09/05/18 09:30 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**280000**	ug/L	2500	1	09/08/18 13:02	09/10/18 13:38		
Calcium	**112000**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:38	7440-70-2	
Hardness, Magnesium	**47400**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:38		N3
Magnesium	**11500**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:38	7439-95-4	
Potassium	**18500**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:38	7440-09-7	
Sodium	**284000**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:38	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**327000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:38		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		09/11/18 13:36	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		09/11/18 13:36	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		09/11/18 13:36	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		09/11/18 13:36	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		09/11/18 13:36	67-64-1	CH,IH
Benzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		09/11/18 13:36	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		09/11/18 13:36	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/11/18 13:36	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-19 **Lab ID: 7063856001** Collected: 09/05/18 09:30 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		09/11/18 13:36	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		09/11/18 13:36	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		09/11/18 13:36	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/11/18 13:36	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	100-42-5	
Tetrachloroethene	**1010**	ug/L	10.0	10		09/13/18 11:58	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	108-88-3	
Trichloroethene	**120**	ug/L	1.0	1		09/11/18 13:36	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:36	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		09/11/18 13:36	108-05-4	
Vinyl chloride	**5.8**	ug/L	1.0	1		09/11/18 13:36	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/11/18 13:36	1330-20-7	
cis-1,2-Dichloroethene	**158**	ug/L	1.0	1		09/11/18 13:36	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		09/11/18 13:36	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	98-06-6	L1
trans-1,2-Dichloroethene	**2.6**	ug/L	1.0	1		09/11/18 13:36	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 13:36	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	68-153	1		09/11/18 13:36	17060-07-0	
4-Bromofluorobenzene (S)	104	%	79-124	1		09/11/18 13:36	460-00-4	
Toluene-d8 (S)	89	%	69-124	1		09/11/18 13:36	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**393**	mg/L	20.0	10		09/18/18 02:35	16887-00-6	
Sulfate	**102**	mg/L	50.0	10		09/18/18 02:35	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**3.5**	mg/L	0.50	10		09/07/18 06:37	14797-55-8	
Nitrate-Nitrite (as N)	**3.5**	mg/L	0.50	10		09/07/18 06:37	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		09/06/18 20:36	14797-65-0	M1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-46 **Lab ID: 7063856002** Collected: 09/05/18 09:44 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**667000**	ug/L	2500	1	09/08/18 13:02	09/10/18 13:39		
Calcium	**267000**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:39	7440-70-2	
Hardness, Magnesium	**141000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:39		N3
Magnesium	**34300**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:39	7439-95-4	
Potassium	**16700**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:39	7440-09-7	
Sodium	**1360000**	ug/L	50000	10	09/08/18 13:02	09/10/18 16:06	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**808000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:39		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	630-20-6	
1,1,1-Trichloroethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	71-55-6	
1,1,2,2-Tetrachloroethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	79-34-5	
1,1,2-Trichloroethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	79-00-5	
1,1-Dichloroethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	75-34-3	
1,1-Dichloroethene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	75-35-4	
1,1-Dichloropropene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	563-58-6	
1,2,3-Trichlorobenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	87-61-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	96-18-4	
1,2,4-Trichlorobenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	120-82-1	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	95-63-6	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	96-12-8	
1,2-Dibromoethane (EDB)	**<5.0**	ug/L	5.0	5		09/13/18 17:35	106-93-4	
1,2-Dichlorobenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	95-50-1	
1,2-Dichloroethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	107-06-2	
1,2-Dichloropropane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	78-87-5	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	108-67-8	
1,3-Dichlorobenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	541-73-1	
1,3-Dichloropropane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	142-28-9	
1,4-Dichlorobenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	106-46-7	
2,2-Dichloropropane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	594-20-7	
2-Butanone (MEK)	**<25.0**	ug/L	25.0	5		09/13/18 17:35	78-93-3	
2-Chlorotoluene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	95-49-8	
2-Hexanone	**<25.0**	ug/L	25.0	5		09/13/18 17:35	591-78-6	
4-Chlorotoluene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<25.0**	ug/L	25.0	5		09/13/18 17:35	108-10-1	
Acetone	**<25.0**	ug/L	25.0	5		09/13/18 17:35	67-64-1	
Benzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	71-43-2	
Bromobenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	108-86-1	
Bromochloromethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	75-27-4	
Bromoform	**<5.0**	ug/L	5.0	5		09/13/18 17:35	75-25-2	
Bromomethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	74-83-9	
Carbon disulfide	**<5.0**	ug/L	5.0	5		09/13/18 17:35	75-15-0	
Carbon tetrachloride	**<5.0**	ug/L	5.0	5		09/13/18 17:35	56-23-5	
Chlorobenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	108-90-7	
Chloroethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-46 **Lab ID: 7063856002** Collected: 09/05/18 09:44 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<5.0**	ug/L	5.0	5		09/13/18 17:35	67-66-3	
Chloromethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	124-48-1	
Dibromomethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	75-71-8	
Ethylbenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	100-41-4	
Hexachloro-1,3-butadiene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	87-68-3	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	5.0	5		09/13/18 17:35	98-82-8	
Methyl-tert-butyl ether	**<5.0**	ug/L	5.0	5		09/13/18 17:35	1634-04-4	
Methylene Chloride	**<5.0**	ug/L	5.0	5		09/13/18 17:35	75-09-2	
Naphthalene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	91-20-3	
Styrene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	100-42-5	
Tetrachloroethene	**11.0**	ug/L	5.0	5		09/13/18 17:35	127-18-4	
Toluene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	108-88-3	
Trichloroethene	**31.6**	ug/L	5.0	5		09/13/18 17:35	79-01-6	
Trichlorofluoromethane	**<5.0**	ug/L	5.0	5		09/13/18 17:35	75-69-4	
Vinyl acetate	**<5.0**	ug/L	5.0	5		09/13/18 17:35	108-05-4	
Vinyl chloride	**224**	ug/L	5.0	5		09/13/18 17:35	75-01-4	
Xylene (Total)	**<15.0**	ug/L	15.0	5		09/13/18 17:35	1330-20-7	
cis-1,2-Dichloroethene	**2250**	ug/L	50.0	50		09/11/18 13:54	156-59-2	
cis-1,3-Dichloropropene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	10061-01-5	
m&p-Xylene	**<10.0**	ug/L	10.0	5		09/13/18 17:35	179601-23-1	
n-Butylbenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	104-51-8	
n-Propylbenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	103-65-1	
o-Xylene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	95-47-6	
p-Isopropyltoluene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	99-87-6	
sec-Butylbenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	135-98-8	
tert-Butylbenzene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	98-06-6	
trans-1,2-Dichloroethene	**21.2**	ug/L	5.0	5		09/13/18 17:35	156-60-5	
trans-1,3-Dichloropropene	**<5.0**	ug/L	5.0	5		09/13/18 17:35	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	68-153	5		09/13/18 17:35	17060-07-0	
4-Bromofluorobenzene (S)	104	%	79-124	5		09/13/18 17:35	460-00-4	
Toluene-d8 (S)	90	%	69-124	5		09/13/18 17:35	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**2450**	mg/L	200	100		09/18/18 03:08	16887-00-6	
Sulfate	**199**	mg/L	50.0	10		09/18/18 02:52	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**0.085**	mg/L	0.050	1		09/07/18 06:43	14797-55-8	
Nitrate-Nitrite (as N)	**0.085**	mg/L	0.050	1		09/07/18 06:43	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		09/06/18 20:39	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-62 **Lab ID: 7063856003** Collected: 09/05/18 08:29 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**779000**	ug/L	2500	1	09/08/18 13:02	09/10/18 13:40		
Calcium	**312000**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:40	7440-70-2	
Hardness, Magnesium	**194000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:40		N3
Magnesium	**47000**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:40	7439-95-4	
Potassium	**8300**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:40	7440-09-7	
Sodium	**516000**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:40	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**973000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:40		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	630-20-6	
1,1,1-Trichloroethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	71-55-6	
1,1,2,2-Tetrachloroethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	79-34-5	
1,1,2-Trichloroethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	79-00-5	
1,1-Dichloroethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	75-34-3	
1,1-Dichloroethene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	75-35-4	
1,1-Dichloropropene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	563-58-6	
1,2,3-Trichlorobenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	87-61-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	96-18-4	
1,2,4-Trichlorobenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	120-82-1	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	95-63-6	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	96-12-8	
1,2-Dibromoethane (EDB)	**<5.0**	ug/L	5.0	5		09/11/18 14:12	106-93-4	
1,2-Dichlorobenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	95-50-1	
1,2-Dichloroethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	107-06-2	
1,2-Dichloropropane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	78-87-5	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	108-67-8	
1,3-Dichlorobenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	541-73-1	
1,3-Dichloropropane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	142-28-9	
1,4-Dichlorobenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	106-46-7	
2,2-Dichloropropane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	594-20-7	
2-Butanone (MEK)	**<25.0**	ug/L	25.0	5		09/11/18 14:12	78-93-3	
2-Chlorotoluene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	95-49-8	L1
2-Hexanone	**<25.0**	ug/L	25.0	5		09/11/18 14:12	591-78-6	
4-Chlorotoluene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<25.0**	ug/L	25.0	5		09/11/18 14:12	108-10-1	
Acetone	**<25.0**	ug/L	25.0	5		09/11/18 14:12	67-64-1	
Benzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	71-43-2	
Bromobenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	108-86-1	L1
Bromochloromethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	75-27-4	
Bromoform	**<5.0**	ug/L	5.0	5		09/11/18 14:12	75-25-2	
Bromomethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	74-83-9	
Carbon disulfide	**<5.0**	ug/L	5.0	5		09/11/18 14:12	75-15-0	
Carbon tetrachloride	**<5.0**	ug/L	5.0	5		09/11/18 14:12	56-23-5	
Chlorobenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	108-90-7	
Chloroethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-62 **Lab ID: 7063856003** Collected: 09/05/18 08:29 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<5.0**	ug/L	5.0	5		09/11/18 14:12	67-66-3	
Chloromethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	124-48-1	
Dibromomethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	75-71-8	
Ethylbenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	100-41-4	
Hexachloro-1,3-butadiene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	87-68-3	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	5.0	5		09/11/18 14:12	98-82-8	
Methyl-tert-butyl ether	**<5.0**	ug/L	5.0	5		09/11/18 14:12	1634-04-4	
Methylene Chloride	**<5.0**	ug/L	5.0	5		09/11/18 14:12	75-09-2	
Naphthalene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	91-20-3	
Styrene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	100-42-5	
Tetrachloroethene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	127-18-4	
Toluene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	108-88-3	
Trichloroethene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	79-01-6	
Trichlorofluoromethane	**<5.0**	ug/L	5.0	5		09/11/18 14:12	75-69-4	
Vinyl acetate	**<5.0**	ug/L	5.0	5		09/11/18 14:12	108-05-4	
Vinyl chloride	**61.1**	ug/L	5.0	5		09/11/18 14:12	75-01-4	
Xylene (Total)	**<15.0**	ug/L	15.0	5		09/11/18 14:12	1330-20-7	
cis-1,2-Dichloroethene	**593**	ug/L	5.0	5		09/11/18 14:12	156-59-2	
cis-1,3-Dichloropropene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	10061-01-5	
m&p-Xylene	**<10.0**	ug/L	10.0	5		09/11/18 14:12	179601-23-1	
n-Butylbenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	104-51-8	
n-Propylbenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	103-65-1	
o-Xylene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	95-47-6	
p-Isopropyltoluene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	99-87-6	L1
sec-Butylbenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	135-98-8	
tert-Butylbenzene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	98-06-6	L1
trans-1,2-Dichloroethene	**37.1**	ug/L	5.0	5		09/11/18 14:12	156-60-5	
trans-1,3-Dichloropropene	**<5.0**	ug/L	5.0	5		09/11/18 14:12	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	68-153	5		09/11/18 14:12	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	5		09/11/18 14:12	460-00-4	
Toluene-d8 (S)	90	%	69-124	5		09/11/18 14:12	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**993**	mg/L	200	100		09/18/18 12:37	16887-00-6	
Sulfate	**323**	mg/L	50.0	10		09/18/18 12:20	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		09/07/18 06:44	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/07/18 06:44	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		09/06/18 20:41	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-64S **Lab ID: 7063856004** Collected: 09/05/18 07:45 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**277000**	ug/L	2500	1	09/08/18 13:02	09/10/18 13:41		
Calcium	**111000**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:41	7440-70-2	
Hardness, Magnesium	**63000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:41		N3
Magnesium	**15300**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:41	7439-95-4	
Potassium	**7500**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:41	7440-09-7	
Sodium	**31400**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:41	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**340000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:41		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		09/11/18 13:18	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		09/11/18 13:18	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		09/11/18 13:18	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		09/11/18 13:18	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		09/11/18 13:18	67-64-1	CH,IH
Benzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		09/11/18 13:18	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		09/11/18 13:18	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/11/18 13:18	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	75-00-3	

Pace Analytical Services, LLC
575 Broad Hollow Road
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-64S **Lab ID: 7063856004** Collected: 09/05/18 07:45 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		09/11/18 13:18	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		09/11/18 13:18	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		09/11/18 13:18	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/11/18 13:18	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:18	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		09/11/18 13:18	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/11/18 13:18	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/11/18 13:18	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		09/11/18 13:18	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 13:18	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	68-153	1		09/11/18 13:18	17060-07-0	
4-Bromofluorobenzene (S)	104	%	79-124	1		09/11/18 13:18	460-00-4	
Toluene-d8 (S)	89	%	69-124	1		09/11/18 13:18	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**52.8**	mg/L	10.0	5		09/18/18 13:11	16887-00-6	
Sulfate	**<5.0**	mg/L	5.0	1		09/18/18 03:42	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**0.081**	mg/L	0.050	1		09/07/18 06:45	14797-55-8	
Nitrate-Nitrite (as N)	**0.084**	mg/L	0.050	1		09/07/18 06:45	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		09/06/18 20:42	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-64D **Lab ID: 7063856005** Collected: 09/05/18 08:05 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**484000**	ug/L	2500	1	09/08/18 13:02	09/10/18 13:43		
Calcium	**194000**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:43	7440-70-2	
Hardness, Magnesium	**130000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:43		N3
Magnesium	**31500**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:43	7439-95-4	
Potassium	**5840**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:43	7440-09-7	
Sodium	**197000**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:43	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**614000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:43		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	75-34-3	
1,1-Dichloroethene	**2.4**	ug/L	1.0	1		09/13/18 16:59	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		09/13/18 16:59	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		09/13/18 16:59	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		09/13/18 16:59	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		09/13/18 16:59	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		09/13/18 16:59	67-64-1	CH,IH
Benzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		09/13/18 16:59	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		09/13/18 16:59	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/13/18 16:59	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	75-00-3	

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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-64D **Lab ID: 7063856005** Collected: 09/05/18 08:05 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		09/13/18 16:59	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		09/13/18 16:59	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		09/13/18 16:59	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/13/18 16:59	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	108-88-3	
Trichloroethene	**124**	ug/L	1.0	1		09/13/18 16:59	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/13/18 16:59	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		09/13/18 16:59	108-05-4	
Vinyl chloride	**22.9**	ug/L	1.0	1		09/13/18 16:59	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/13/18 16:59	1330-20-7	
cis-1,2-Dichloroethene	**438**	ug/L	10.0	10		09/11/18 14:30	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		09/13/18 16:59	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	98-06-6	
trans-1,2-Dichloroethene	**8.9**	ug/L	1.0	1		09/13/18 16:59	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/13/18 16:59	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	68-153	1		09/13/18 16:59	17060-07-0	
4-Bromofluorobenzene (S)	107	%	79-124	1		09/13/18 16:59	460-00-4	
Toluene-d8 (S)	91	%	69-124	1		09/13/18 16:59	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**388**	mg/L	20.0	10		09/18/18 04:15	16887-00-6	
Sulfate	**156**	mg/L	50.0	10		09/18/18 04:15	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		09/07/18 06:46	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/07/18 06:46	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		09/06/18 20:43	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-65 **Lab ID: 7063856006** Collected: 09/05/18 07:16 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**739000**	ug/L	2500	1	09/08/18 13:02	09/10/18 13:44		
Calcium	**296000**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:44	7440-70-2	
Hardness, Magnesium	**258000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:44		N3
Magnesium	**62700**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:44	7439-95-4	
Potassium	**9390**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:44	7440-09-7	
Sodium	**483000**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:44	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**997000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:44		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	75-34-3	
1,1-Dichloroethene	**1.0**	ug/L	1.0	1		09/11/18 15:42	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		09/11/18 15:42	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		09/11/18 15:42	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		09/11/18 15:42	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		09/11/18 15:42	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		09/11/18 15:42	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		09/11/18 15:42	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		09/11/18 15:42	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/11/18 15:42	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	75-00-3	

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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-65 **Lab ID: 7063856006** Collected: 09/05/18 07:16 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		09/11/18 15:42	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		09/11/18 15:42	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		09/11/18 15:42	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/11/18 15:42	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	100-42-5	
Tetrachloroethene	**287**	ug/L	5.0	5		09/11/18 14:48	127-18-4	M1
Toluene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	108-88-3	
Trichloroethene	**144**	ug/L	1.0	1		09/11/18 15:42	79-01-6	M1
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 15:42	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		09/11/18 15:42	108-05-4	
Vinyl chloride	**26.4**	ug/L	1.0	1		09/11/18 15:42	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/11/18 15:42	1330-20-7	
cis-1,2-Dichloroethene	**333**	ug/L	5.0	5		09/11/18 14:48	156-59-2	M1
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		09/11/18 15:42	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	98-06-6	L1
trans-1,2-Dichloroethene	**2.8**	ug/L	1.0	1		09/11/18 15:42	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 15:42	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	68-153	1		09/11/18 15:42	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		09/11/18 15:42	460-00-4	
Toluene-d8 (S)	88	%	69-124	1		09/11/18 15:42	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1150**	mg/L	100	50		09/18/18 05:56	16887-00-6	
Sulfate	**199**	mg/L	25.0	5		09/18/18 05:06	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		09/07/18 06:47	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/07/18 06:47	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		09/06/18 20:47	14797-65-0	M1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-67 **Lab ID: 7063856007** Collected: 09/05/18 08:55 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**609000**	ug/L	2500	1	09/08/18 13:02	09/10/18 13:51		
Calcium	**244000**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:51	7440-70-2	
Hardness, Magnesium	**173000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:51		N3
Magnesium	**41900**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:51	7439-95-4	
Potassium	**10300**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:51	7440-09-7	
Sodium	**558000**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:51	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**782000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:51		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	630-20-6	
1,1,1-Trichloroethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	71-55-6	
1,1,2,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	79-34-5	
1,1,2-Trichloroethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	79-00-5	
1,1-Dichloroethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	75-34-3	
1,1-Dichloroethene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	75-35-4	
1,1-Dichloropropene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	563-58-6	
1,2,3-Trichlorobenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	87-61-6	
1,2,3-Trichloropropane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	96-18-4	
1,2,4-Trichlorobenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	120-82-1	
1,2,4-Trimethylbenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	95-63-6	
1,2-Dibromo-3-chloropropane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	96-12-8	
1,2-Dibromoethane (EDB)	**<10.0**	ug/L	10.0	10		09/11/18 15:06	106-93-4	
1,2-Dichlorobenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	95-50-1	
1,2-Dichloroethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	107-06-2	
1,2-Dichloropropane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	78-87-5	
1,3,5-Trimethylbenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	108-67-8	
1,3-Dichlorobenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	541-73-1	
1,3-Dichloropropane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	142-28-9	
1,4-Dichlorobenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	106-46-7	
2,2-Dichloropropane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	594-20-7	
2-Butanone (MEK)	**<50.0**	ug/L	50.0	10		09/11/18 15:06	78-93-3	
2-Chlorotoluene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	95-49-8	L1
2-Hexanone	**<50.0**	ug/L	50.0	10		09/11/18 15:06	591-78-6	
4-Chlorotoluene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<50.0**	ug/L	50.0	10		09/11/18 15:06	108-10-1	
Acetone	**<50.0**	ug/L	50.0	10		09/11/18 15:06	67-64-1	
Benzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	71-43-2	
Bromobenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	108-86-1	L1
Bromochloromethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	74-97-5	
Bromodichloromethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	75-27-4	
Bromoform	**<10.0**	ug/L	10.0	10		09/11/18 15:06	75-25-2	
Bromomethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	74-83-9	
Carbon disulfide	**<10.0**	ug/L	10.0	10		09/11/18 15:06	75-15-0	
Carbon tetrachloride	**<10.0**	ug/L	10.0	10		09/11/18 15:06	56-23-5	
Chlorobenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	108-90-7	
Chloroethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	75-00-3	

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-67 **Lab ID: 7063856007** Collected: 09/05/18 08:55 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<10.0**	ug/L	10.0	10		09/11/18 15:06	67-66-3	
Chloromethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	74-87-3	
Dibromochloromethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	124-48-1	
Dibromomethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	74-95-3	
Dichlorodifluoromethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	75-71-8	
Ethylbenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	100-41-4	
Hexachloro-1,3-butadiene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	87-68-3	
Isopropylbenzene (Cumene)	**<10.0**	ug/L	10.0	10		09/11/18 15:06	98-82-8	
Methyl-tert-butyl ether	**<10.0**	ug/L	10.0	10		09/11/18 15:06	1634-04-4	
Methylene Chloride	**<10.0**	ug/L	10.0	10		09/11/18 15:06	75-09-2	
Naphthalene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	91-20-3	
Styrene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	100-42-5	
Tetrachloroethene	**173**	ug/L	10.0	10		09/11/18 15:06	127-18-4	
Toluene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	108-88-3	
Trichloroethene	**207**	ug/L	10.0	10		09/11/18 15:06	79-01-6	
Trichlorofluoromethane	**<10.0**	ug/L	10.0	10		09/11/18 15:06	75-69-4	
Vinyl acetate	**<10.0**	ug/L	10.0	10		09/11/18 15:06	108-05-4	
Vinyl chloride	**370**	ug/L	10.0	10		09/11/18 15:06	75-01-4	
Xylene (Total)	**<30.0**	ug/L	30.0	10		09/11/18 15:06	1330-20-7	
cis-1,2-Dichloroethene	**2530**	ug/L	20.0	20		09/13/18 12:16	156-59-2	
cis-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	10061-01-5	
m&p-Xylene	**<20.0**	ug/L	20.0	10		09/11/18 15:06	179601-23-1	
n-Butylbenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	104-51-8	
n-Propylbenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	103-65-1	
o-Xylene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	95-47-6	
p-Isopropyltoluene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	99-87-6	L1
sec-Butylbenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	135-98-8	
tert-Butylbenzene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	98-06-6	L1
trans-1,2-Dichloroethene	**39.3**	ug/L	10.0	10		09/11/18 15:06	156-60-5	
trans-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		09/11/18 15:06	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	68-153	10		09/11/18 15:06	17060-07-0	
4-Bromofluorobenzene (S)	104	%	79-124	10		09/11/18 15:06	460-00-4	
Toluene-d8 (S)	90	%	69-124	10		09/11/18 15:06	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**991**	mg/L	40.0	20		09/18/18 07:03	16887-00-6	
Sulfate	**145**	mg/L	25.0	5		09/18/18 06:46	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		09/07/18 06:51	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/07/18 06:51	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		09/06/18 20:50	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-68 **Lab ID: 7063856008** Collected: 09/05/18 08:42 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**372000**	ug/L	2500	1	09/08/18 13:02	09/10/18 13:52		
Calcium	**149000**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:52	7440-70-2	
Hardness, Magnesium	**104000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:52		N3
Magnesium	**25200**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:52	7439-95-4	
Potassium	**<5000**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:52	7440-09-7	
Sodium	**91700**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:52	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**476000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:52		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		09/11/18 13:00	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		09/11/18 13:00	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		09/11/18 13:00	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		09/11/18 13:00	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		09/11/18 13:00	67-64-1	CH,IH
Benzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		09/11/18 13:00	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		09/11/18 13:00	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/11/18 13:00	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	75-00-3	

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-68 **Lab ID: 7063856008** Collected: 09/05/18 08:42 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		09/11/18 13:00	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		09/11/18 13:00	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		09/11/18 13:00	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/11/18 13:00	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 13:00	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		09/11/18 13:00	108-05-4	
Vinyl chloride	**10.6**	ug/L	1.0	1		09/11/18 13:00	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/11/18 13:00	1330-20-7	
cis-1,2-Dichloroethene	**1.1**	ug/L	1.0	1		09/11/18 13:00	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		09/11/18 13:00	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 13:00	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	68-153	1		09/11/18 13:00	17060-07-0	
4-Bromofluorobenzene (S)	104	%	79-124	1		09/11/18 13:00	460-00-4	
Toluene-d8 (S)	90	%	69-124	1		09/11/18 13:00	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**160**	mg/L	10.0	5		09/18/18 07:36	16887-00-6	
Sulfate	**<5.0**	mg/L	5.0	1		09/18/18 07:19	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**0.069**	mg/L	0.050	1		09/07/18 06:52	14797-55-8	
Nitrate-Nitrite (as N)	**0.069**	mg/L	0.050	1		09/07/18 06:52	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		09/06/18 20:51	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-70S **Lab ID: 7063856009** Collected: 09/05/18 09:57 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**434000**	ug/L	2500	1	09/08/18 13:02	09/10/18 13:53		
Calcium	**174000**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:53	7440-70-2	
Hardness, Magnesium	**180000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:53		N3
Magnesium	**43600**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:53	7439-95-4	
Potassium	**5830**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:53	7440-09-7	
Sodium	**261000**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:53	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**614000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:53		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		09/11/18 12:42	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		09/11/18 12:42	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		09/11/18 12:42	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		09/11/18 12:42	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		09/11/18 12:42	67-64-1	CH,IH
Benzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		09/11/18 12:42	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		09/11/18 12:42	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/11/18 12:42	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-70S **Lab ID: 7063856009** Collected: 09/05/18 09:57 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		09/11/18 12:42	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		09/11/18 12:42	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		09/11/18 12:42	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/11/18 12:42	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 12:42	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		09/11/18 12:42	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/11/18 12:42	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/11/18 12:42	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		09/11/18 12:42	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 12:42	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	68-153	1		09/11/18 12:42	17060-07-0	
4-Bromofluorobenzene (S)	104	%	79-124	1		09/11/18 12:42	460-00-4	
Toluene-d8 (S)	89	%	69-124	1		09/11/18 12:42	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**661**	mg/L	40.0	20		09/18/18 12:54	16887-00-6	
Sulfate	**33.1**	mg/L	25.0	5		09/18/18 08:26	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		09/07/18 06:53	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/07/18 06:53	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		09/06/18 20:52	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-70D **Lab ID: 7063856010** Collected: 09/05/18 10:15 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**657000**	ug/L	2500	1	09/08/18 13:02	09/10/18 13:54		
Calcium	**263000**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:54	7440-70-2	
Hardness, Magnesium	**267000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:54		N3
Magnesium	**64800**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:54	7439-95-4	
Potassium	**19600**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:54	7440-09-7	
Sodium	**108000**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:54	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**924000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:54		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	120-82-1	
1,2,4-Trimethylbenzene	**43.6**	ug/L	1.0	1		09/11/18 12:23	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		09/11/18 12:23	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		09/11/18 12:23	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		09/11/18 12:23	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		09/11/18 12:23	108-10-1	
Acetone	**10.9**	ug/L	5.0	1		09/11/18 12:23	67-64-1	CH,IH
Benzene	**58.0**	ug/L	1.0	1		09/11/18 12:23	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		09/11/18 12:23	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		09/11/18 12:23	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/11/18 12:23	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	75-00-3	

Pace Analytical Services, LLC
575 Broad Hollow Road
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: MW-70D **Lab ID: 7063856010** Collected: 09/05/18 10:15 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		09/11/18 12:23	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	87-68-3	
Isopropylbenzene (Cumene)	**7.5**	ug/L	1.0	1		09/11/18 12:23	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		09/11/18 12:23	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/11/18 12:23	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 12:23	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		09/11/18 12:23	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/11/18 12:23	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/11/18 12:23	1330-20-7	
cis-1,2-Dichloroethene	**8.3**	ug/L	1.0	1		09/11/18 12:23	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		09/11/18 12:23	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	104-51-8	
n-Propylbenzene	**8.1**	ug/L	1.0	1		09/11/18 12:23	103-65-1	
o-Xylene	**3.0**	ug/L	1.0	1		09/11/18 12:23	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	99-87-6	L1
sec-Butylbenzene	**1.1**	ug/L	1.0	1		09/11/18 12:23	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 12:23	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%	68-153	1		09/11/18 12:23	17060-07-0	
4-Bromofluorobenzene (S)	105	%	79-124	1		09/11/18 12:23	460-00-4	
Toluene-d8 (S)	89	%	69-124	1		09/11/18 12:23	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**224**	mg/L	40.0	20		09/18/18 09:00	16887-00-6	
Sulfate	**9.1**	mg/L	5.0	1		09/18/18 08:43	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		09/07/18 06:59	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/07/18 06:59	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		09/06/18 20:54	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: DUP X **Lab ID: 7063856011** Collected: 09/05/18 00:00 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**492000**	ug/L	2500	1	09/08/18 13:02	09/10/18 13:55		
Calcium	**197000**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:55	7440-70-2	
Hardness, Magnesium	**133000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:55		N3
Magnesium	**32300**	ug/L	1000	1	09/08/18 13:02	09/10/18 13:55	7439-95-4	
Potassium	**5940**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:55	7440-09-7	
Sodium	**199000**	ug/L	5000	1	09/08/18 13:02	09/10/18 13:55	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**625000**	ug/L	4100	1	09/08/18 13:02	09/10/18 13:55		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	75-34-3	
1,1-Dichloroethene	**2.6**	ug/L	1.0	1		09/13/18 17:17	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		09/13/18 17:17	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		09/13/18 17:17	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		09/13/18 17:17	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		09/13/18 17:17	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		09/13/18 17:17	67-64-1	CH,IH
Benzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		09/13/18 17:17	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		09/13/18 17:17	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/13/18 17:17	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	75-00-3	

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: DUP X **Lab ID: 7063856011** Collected: 09/05/18 00:00 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		09/13/18 17:17	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		09/13/18 17:17	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		09/13/18 17:17	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/13/18 17:17	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	108-88-3	
Trichloroethene	**130**	ug/L	1.0	1		09/13/18 17:17	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/13/18 17:17	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		09/13/18 17:17	108-05-4	
Vinyl chloride	**24.7**	ug/L	1.0	1		09/13/18 17:17	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/13/18 17:17	1330-20-7	
cis-1,2-Dichloroethene	**482**	ug/L	10.0	10		09/11/18 15:24	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		09/13/18 17:17	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	98-06-6	
trans-1,2-Dichloroethene	**9.5**	ug/L	1.0	1		09/13/18 17:17	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/13/18 17:17	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	68-153	1		09/13/18 17:17	17060-07-0	
4-Bromofluorobenzene (S)	104	%	79-124	1		09/13/18 17:17	460-00-4	
Toluene-d8 (S)	88	%	69-124	1		09/13/18 17:17	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**391**	mg/L	20.0	10		09/18/18 09:33	16887-00-6	
Sulfate	**156**	mg/L	50.0	10		09/18/18 09:33	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		09/07/18 07:00	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/07/18 07:00	7727-37-9	H1
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		09/06/18 20:55	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: TRIP BLANK **Lab ID: 7063856012** Collected: 09/05/18 00:00 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		09/11/18 11:29	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		09/11/18 11:29	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	95-49-8	L1
2-Hexanone	**<5.0**	ug/L	5.0	1		09/11/18 11:29	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	106-43-4	L1
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		09/11/18 11:29	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		09/11/18 11:29	67-64-1	CH,IH
Benzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		09/11/18 11:29	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		09/11/18 11:29	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/11/18 11:29	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		09/11/18 11:29	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		09/11/18 11:29	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		09/11/18 11:29	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/11/18 11:29	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Sample: TRIP BLANK **Lab ID: 7063856012** Collected: 09/05/18 00:00 Received: 09/06/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Naphthalene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/11/18 11:29	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		09/11/18 11:29	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/11/18 11:29	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/11/18 11:29	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		09/11/18 11:29	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/11/18 11:29	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%	68-153	1		09/11/18 11:29	17060-07-0	
4-Bromofluorobenzene (S)	104	%	79-124	1		09/11/18 11:29	460-00-4	
Toluene-d8 (S)	89	%	69-124	1		09/11/18 11:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

QC Batch: 82195 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7063856001, 7063856002, 7063856003, 7063856004, 7063856005, 7063856006, 7063856007, 7063856008, 7063856009, 7063856010, 7063856011

METHOD BLANK: 378276 Matrix: Water
Associated Lab Samples: 7063856001, 7063856002, 7063856003, 7063856004, 7063856005, 7063856006, 7063856007, 7063856008, 7063856009, 7063856010, 7063856011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	<2500	2500	09/10/18 13:22	
Calcium	ug/L	<1000	1000	09/10/18 13:22	
Hardness, Magnesium	ug/L	<4100	4100	09/10/18 13:22	N3
Magnesium	ug/L	<1000	1000	09/10/18 13:22	
Potassium	ug/L	<5000	5000	09/10/18 13:22	
Sodium	ug/L	<5000	5000	09/10/18 13:22	
Tot Hardness asCaCO3 (SM 2340B	ug/L	<4100	4100	09/10/18 13:22	

LABORATORY CONTROL SAMPLE: 378277

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L		60700			
Calcium	ug/L	25000	24300	97	85-115	
Hardness, Magnesium	ug/L		99700			N3
Magnesium	ug/L	25000	24200	97	85-115	
Potassium	ug/L	50000	47600	95	85-115	
Sodium	ug/L	50000	49100	98	85-115	
Tot Hardness asCaCO3 (SM 2340B	ug/L		160000			

MATRIX SPIKE SAMPLE: 378279

Parameter	Units	7063820001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	164000		220000			
Calcium	ug/L	65500	25000	88100	90	70-130	
Hardness, Magnesium	ug/L	45300		143000			N3
Magnesium	ug/L	11000	25000	34700	95	70-130	
Potassium	ug/L	<5000	50000	53100	96	70-130	
Sodium	ug/L	28800	50000	76300	95	70-130	
Tot Hardness asCaCO3 (SM 2340B	ug/L	209000		363000			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

MATRIX SPIKE SAMPLE: 378281

Parameter	Units	7063856006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	739000		802000			
Calcium	ug/L	296000	25000	321000	100	70-130	
Hardness, Magnesium	ug/L	258000		360000			N3
Magnesium	ug/L	62700	25000	87400	99	70-130	
Potassium	ug/L	9390	50000	66100	113	70-130	
Sodium	ug/L	483000	50000	535000	104	70-130	
Tot Hardness asCaCO3 (SM 2340B	ug/L	997000		1160000			

SAMPLE DUPLICATE: 378278

Parameter	Units	7063820001 Result	Dup Result	RPD	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	164000	170000	4	
Calcium	ug/L	65500	67900	4	
Hardness, Magnesium	ug/L	45300	47400	4	N3
Magnesium	ug/L	11000	11500	4	
Potassium	ug/L	<5000	<5000		
Sodium	ug/L	28800	29900	4	
Tot Hardness asCaCO3 (SM 2340B	ug/L	209000	217000	4	

SAMPLE DUPLICATE: 378280

Parameter	Units	7063856006 Result	Dup Result	RPD	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	739000	714000	3	
Calcium	ug/L	296000	286000	3	
Hardness, Magnesium	ug/L	258000	250000	3	N3
Magnesium	ug/L	62700	60800	3	
Potassium	ug/L	9390	9440	1	
Sodium	ug/L	483000	469000	3	
Tot Hardness asCaCO3 (SM 2340B	ug/L	997000	965000	3	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

QC Batch: 82365 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7063856001, 7063856003, 7063856004, 7063856006, 7063856007, 7063856008, 7063856009, 7063856010, 7063856012

METHOD BLANK: 379032 Matrix: Water
Associated Lab Samples: 7063856001, 7063856003, 7063856004, 7063856006, 7063856007, 7063856008, 7063856009, 7063856010, 7063856012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	09/11/18 09:00	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	09/11/18 09:00	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	09/11/18 09:00	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	09/11/18 09:00	
1,1-Dichloroethane	ug/L	<1.0	1.0	09/11/18 09:00	
1,1-Dichloroethene	ug/L	<1.0	1.0	09/11/18 09:00	
1,1-Dichloropropene	ug/L	<1.0	1.0	09/11/18 09:00	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	09/11/18 09:00	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	09/11/18 09:00	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	09/11/18 09:00	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	09/11/18 09:00	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	09/11/18 09:00	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	09/11/18 09:00	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	09/11/18 09:00	
1,2-Dichloroethane	ug/L	<1.0	1.0	09/11/18 09:00	
1,2-Dichloropropane	ug/L	<1.0	1.0	09/11/18 09:00	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	09/11/18 09:00	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	09/11/18 09:00	
1,3-Dichloropropane	ug/L	<1.0	1.0	09/11/18 09:00	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	09/11/18 09:00	
2,2-Dichloropropane	ug/L	<1.0	1.0	09/11/18 09:00	
2-Butanone (MEK)	ug/L	<5.0	5.0	09/11/18 09:00	
2-Chlorotoluene	ug/L	<1.0	1.0	09/11/18 09:00	
2-Hexanone	ug/L	<5.0	5.0	09/11/18 09:00	
4-Chlorotoluene	ug/L	<1.0	1.0	09/11/18 09:00	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	09/11/18 09:00	
Acetone	ug/L	<5.0	5.0	09/11/18 09:00	
Benzene	ug/L	<1.0	1.0	09/11/18 09:00	
Bromobenzene	ug/L	<1.0	1.0	09/11/18 09:00	
Bromochloromethane	ug/L	<1.0	1.0	09/11/18 09:00	
Bromodichloromethane	ug/L	<1.0	1.0	09/11/18 09:00	
Bromoform	ug/L	<1.0	1.0	09/11/18 09:00	
Bromomethane	ug/L	<1.0	1.0	09/11/18 09:00	
Carbon disulfide	ug/L	<1.0	1.0	09/11/18 09:00	
Carbon tetrachloride	ug/L	<1.0	1.0	09/11/18 09:00	
Chlorobenzene	ug/L	<1.0	1.0	09/11/18 09:00	
Chloroethane	ug/L	<1.0	1.0	09/11/18 09:00	
Chloroform	ug/L	<1.0	1.0	09/11/18 09:00	
Chloromethane	ug/L	<1.0	1.0	09/11/18 09:00	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	09/11/18 09:00	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

METHOD BLANK: 379032 Matrix: Water

Associated Lab Samples: 7063856001, 7063856003, 7063856004, 7063856006, 7063856007, 7063856008, 7063856009, 7063856010, 7063856012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	09/11/18 09:00	
Dibromochloromethane	ug/L	<1.0	1.0	09/11/18 09:00	
Dibromomethane	ug/L	<1.0	1.0	09/11/18 09:00	
Dichlorodifluoromethane	ug/L	<1.0	1.0	09/11/18 09:00	
Ethylbenzene	ug/L	<1.0	1.0	09/11/18 09:00	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	09/11/18 09:00	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	09/11/18 09:00	
m&p-Xylene	ug/L	<2.0	2.0	09/11/18 09:00	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	09/11/18 09:00	
Methylene Chloride	ug/L	<1.0	1.0	09/11/18 09:00	
n-Butylbenzene	ug/L	<1.0	1.0	09/11/18 09:00	
n-Propylbenzene	ug/L	<1.0	1.0	09/11/18 09:00	
Naphthalene	ug/L	<1.0	1.0	09/11/18 09:00	
o-Xylene	ug/L	<1.0	1.0	09/11/18 09:00	
p-Isopropyltoluene	ug/L	<1.0	1.0	09/11/18 09:00	
sec-Butylbenzene	ug/L	<1.0	1.0	09/11/18 09:00	
Styrene	ug/L	<1.0	1.0	09/11/18 09:00	
tert-Butylbenzene	ug/L	<1.0	1.0	09/11/18 09:00	
Tetrachloroethene	ug/L	<1.0	1.0	09/11/18 09:00	
Toluene	ug/L	<1.0	1.0	09/11/18 09:00	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	09/11/18 09:00	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	09/11/18 09:00	
Trichloroethene	ug/L	<1.0	1.0	09/11/18 09:00	
Trichlorofluoromethane	ug/L	<1.0	1.0	09/11/18 09:00	
Vinyl acetate	ug/L	<1.0	1.0	09/11/18 09:00	
Vinyl chloride	ug/L	<1.0	1.0	09/11/18 09:00	
Xylene (Total)	ug/L	<3.0	3.0	09/11/18 09:00	
1,2-Dichloroethane-d4 (S)	%	103	68-153	09/11/18 09:00	
4-Bromofluorobenzene (S)	%	105	79-124	09/11/18 09:00	
Toluene-d8 (S)	%	87	69-124	09/11/18 09:00	

LABORATORY CONTROL SAMPLE: 379033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.7	99	74-113	
1,1,1-Trichloroethane	ug/L	50	56.3	113	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	44.3	89	74-121	
1,1,2-Trichloroethane	ug/L	50	51.1	102	80-117	
1,1-Dichloroethane	ug/L	50	47.7	95	83-151	
1,1-Dichloroethene	ug/L	50	47.5	95	45-146	
1,1-Dichloropropene	ug/L	50	52.8	106	59-127	
1,2,3-Trichlorobenzene	ug/L	50	48.6	97	67-103	
1,2,3-Trichloropropane	ug/L	50	47.3	95	71-123	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

LABORATORY CONTROL SAMPLE: 379033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	51.1	102	66-116	
1,2,4-Trimethylbenzene	ug/L	50	51.4	103	68-116	
1,2-Dibromo-3-chloropropane	ug/L	50	50.0	100	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	55.9	112	83-115	
1,2-Dichlorobenzene	ug/L	50	50.1	100	74-113	
1,2-Dichloroethane	ug/L	50	49.6	99	74-129	
1,2-Dichloropropane	ug/L	50	50.6	101	75-117	
1,3,5-Trimethylbenzene	ug/L	50	51.6	103	67-116	
1,3-Dichlorobenzene	ug/L	50	51.3	103	71-112	
1,3-Dichloropropane	ug/L	50	46.2	92	74-112	
1,4-Dichlorobenzene	ug/L	50	49.2	98	71-113	
2,2-Dichloropropane	ug/L	50	55.0	110	63-133	
2-Butanone (MEK)	ug/L	50	45.9	92	44-162	
2-Chlorotoluene	ug/L	50	50.8	102	74-101	L1
2-Hexanone	ug/L	50	46.2	92	32-183	
4-Chlorotoluene	ug/L	50	52.1	104	74-101	L1
4-Methyl-2-pentanone (MIBK)	ug/L	50	58.5	117	69-132	
Acetone	ug/L	50	43.5	87	23-188	CH,IH
Benzene	ug/L	50	52.0	104	73-119	
Bromobenzene	ug/L	50	51.3	103	72-102	L1
Bromochloromethane	ug/L	50	48.0	96	81-116	
Bromodichloromethane	ug/L	50	56.2	112	78-117	
Bromoform	ug/L	50	50.4	101	65-122	
Bromomethane	ug/L	50	44.1	88	52-147	
Carbon disulfide	ug/L	50	46.0	92	41-144	
Carbon tetrachloride	ug/L	50	54.1	108	59-120	
Chlorobenzene	ug/L	50	48.1	96	75-113	
Chloroethane	ug/L	50	45.3	91	49-151	
Chloroform	ug/L	50	50.1	100	72-122	
Chloromethane	ug/L	50	45.9	92	46-144	
cis-1,2-Dichloroethene	ug/L	50	46.9	94	72-121	
cis-1,3-Dichloropropene	ug/L	50	56.0	112	78-116	
Dibromochloromethane	ug/L	50	49.5	99	70-120	
Dibromomethane	ug/L	50	51.6	103	75-125	
Dichlorodifluoromethane	ug/L	50	41.7	83	22-154	
Ethylbenzene	ug/L	50	48.7	97	70-113	
Hexachloro-1,3-butadiene	ug/L	50	51.7	103	59-121	
Isopropylbenzene (Cumene)	ug/L	50	50.0	100	67-115	
m&p-Xylene	ug/L	100	101	101	72-115	
Methyl-tert-butyl ether	ug/L	50	51.8	104	72-131	
Methylene Chloride	ug/L	50	46.1	92	61-142	
n-Butylbenzene	ug/L	50	51.6	103	73-107	
n-Propylbenzene	ug/L	50	49.2	98	68-116	
Naphthalene	ug/L	50	53.1	106	70-118	
o-Xylene	ug/L	50	49.7	99	73-117	
p-Isopropyltoluene	ug/L	50	51.5	103	73-101	L1
sec-Butylbenzene	ug/L	50	49.2	98	72-103	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

LABORATORY CONTROL SAMPLE: 379033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/L	50	51.1	102	72-118	
tert-Butylbenzene	ug/L	50	50.4	101	68-100	L1
Tetrachloroethene	ug/L	50	53.2	106	60-128	
Toluene	ug/L	50	53.7	107	72-119	
trans-1,2-Dichloroethene	ug/L	50	47.4	95	56-142	
trans-1,3-Dichloropropene	ug/L	50	58.7	117	79-116	L1
Trichloroethene	ug/L	50	54.9	110	69-117	
Trichlorofluoromethane	ug/L	50	49.0	98	27-173	
Vinyl acetate	ug/L	50	47.8	96	20-158	
Vinyl chloride	ug/L	50	44.9	90	43-143	
Xylene (Total)	ug/L	150	150	100	71-109	
1,2-Dichloroethane-d4 (S)	%			100	68-153	
4-Bromofluorobenzene (S)	%			106	79-124	
Toluene-d8 (S)	%			88	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 380308 380309

Parameter	Units	7063856006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	50	44.0	44.8	88	90	74-113	2	
1,1,1-Trichloroethane	ug/L	<1.0	50	50	51.9	52.8	104	106	65-118	2	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	39.7	41.1	79	82	74-121	4	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	43.7	45.3	87	91	80-117	3	
1,1-Dichloroethane	ug/L	<1.0	50	50	43.2	44.2	86	88	83-151	2	
1,1-Dichloroethene	ug/L	1.0	50	50	46.3	46.9	91	92	45-146	1	
1,1-Dichloropropene	ug/L	<1.0	50	50	48.6	49.7	97	99	59-127	2	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	43.0	49.8	86	100	67-103	14	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	43.3	43.4	87	87	71-123	0	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	47.3	51.4	95	103	66-116	8	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50	48.0	49.8	96	100	68-116	4	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	45.9	49.3	92	99	74-119	7	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	48.1	49.2	96	98	83-115	2	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	46.2	47.8	92	96	74-113	3	
1,2-Dichloroethane	ug/L	<1.0	50	50	44.3	45.8	89	92	74-129	3	
1,2-Dichloropropane	ug/L	<1.0	50	50	45.1	46.2	90	92	75-117	2	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50	48.8	50.6	98	101	67-116	4	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	47.3	48.7	95	97	71-112	3	
1,3-Dichloropropane	ug/L	<1.0	50	50	41.2	42.1	82	84	74-112	2	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	46.2	47.8	92	96	71-113	3	
2,2-Dichloropropane	ug/L	<1.0	50	50	44.3	47.3	89	95	63-133	7	
2-Butanone (MEK)	ug/L	<5.0	50	50	37.1	36.2	74	72	44-162	3	
2-Chlorotoluene	ug/L	<1.0	50	50	47.7	48.3	95	97	74-101	1	
2-Hexanone	ug/L	<5.0	50	50	41.0	40.3	82	81	32-183	2	
4-Chlorotoluene	ug/L	<1.0	50	50	48.7	50.0	97	100	74-101	3	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	49.6	48.2	99	96	69-132	3	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 380308 380309

Parameter	Units	7063856006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Acetone	ug/L	<5.0	50	50	43.1	43.2	86	86	23-188	0	CH,IH
Benzene	ug/L	<1.0	50	50	46.9	48.7	94	97	73-119	4	
Bromobenzene	ug/L	<1.0	50	50	47.5	48.4	95	97	72-102	2	
Bromochloromethane	ug/L	<1.0	50	50	43.5	44.5	87	89	81-116	2	
Bromodichloromethane	ug/L	<1.0	50	50	47.9	50.3	96	101	78-117	5	
Bromoform	ug/L	<1.0	50	50	43.8	44.7	88	89	65-122	2	
Bromomethane	ug/L	<1.0	50	50	38.3	40.9	77	82	52-147	6	
Carbon disulfide	ug/L	<1.0	50	50	42.0	44.0	84	88	41-144	5	
Carbon tetrachloride	ug/L	<1.0	50	50	50.0	51.7	100	103	59-120	3	
Chlorobenzene	ug/L	<1.0	50	50	44.0	44.1	88	88	75-113	0	
Chloroethane	ug/L	<1.0	50	50	41.9	41.6	84	83	49-151	1	
Chloroform	ug/L	<1.0	50	50	44.5	45.3	89	91	72-122	2	
Chloromethane	ug/L	<1.0	50	50	41.9	41.1	84	82	46-144	2	
cis-1,2-Dichloroethene	ug/L	333	50	50	300	311	-66	-44	72-121	4	E,M1
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	47.7	49.9	95	100	78-116	4	
Dibromochloromethane	ug/L	<1.0	50	50	43.5	44.7	87	89	70-120	3	
Dibromomethane	ug/L	<1.0	50	50	45.1	46.3	90	93	75-125	3	
Dichlorodifluoromethane	ug/L	<1.0	50	50	35.9	35.7	72	71	22-154	0	
Ethylbenzene	ug/L	<1.0	50	50	44.7	45.1	89	90	70-113	1	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	49.3	58.9	99	118	59-121	18	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	46.9	48.8	94	98	67-115	4	
m&p-Xylene	ug/L	<2.0	100	100	91.1	93.2	91	93	72-115	2	
Methyl-tert-butyl ether	ug/L	<1.0	50	50	44.7	45.5	89	91	72-131	2	
Methylene Chloride	ug/L	<1.0	50	50	41.6	41.8	83	84	61-142	0	
n-Butylbenzene	ug/L	<1.0	50	50	48.4	49.9	97	100	73-107	3	
n-Propylbenzene	ug/L	<1.0	50	50	46.0	47.3	92	95	68-116	3	
Naphthalene	ug/L	<1.0	50	50	46.4	51.3	93	103	70-118	10	
o-Xylene	ug/L	<1.0	50	50	45.7	46.4	91	93	73-117	1	
p-Isopropyltoluene	ug/L	<1.0	50	50	48.4	50.3	97	101	73-101	4	
sec-Butylbenzene	ug/L	<1.0	50	50	47.0	48.3	94	97	72-103	3	
Styrene	ug/L	<1.0	50	50	46.8	47.6	94	95	72-118	2	
tert-Butylbenzene	ug/L	<1.0	50	50	47.6	49.4	95	99	68-100	4	
Tetrachloroethene	ug/L	287	50	50	264	272	-45	-30	60-128	3	E,M1
Toluene	ug/L	<1.0	50	50	48.0	50.0	96	100	72-119	4	
trans-1,2-Dichloroethene	ug/L	2.8	50	50	46.1	46.2	87	87	56-142	0	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	49.2	50.8	98	102	79-116	3	
Trichloroethene	ug/L	144	50	50	178	187	68	85	69-117	5	M1
Trichlorofluoromethane	ug/L	<1.0	50	50	45.5	45.0	91	90	27-173	1	
Vinyl acetate	ug/L	<1.0	50	50	37.9	38.1	76	76	20-158	1	
Vinyl chloride	ug/L	26.4	50	50	65.6	67.6	78	82	43-143	3	
Xylene (Total)	ug/L	<3.0	150	150	137	140	91	93	71-109	2	
1,2-Dichloroethane-d4 (S)	%						101	111	68-153		
4-Bromofluorobenzene (S)	%						105	104	79-124		
Toluene-d8 (S)	%						91	90	69-124		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

QC Batch: 82788 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7063856002, 7063856005, 7063856011

METHOD BLANK: 380838 Matrix: Water
Associated Lab Samples: 7063856002, 7063856005, 7063856011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	09/13/18 08:51	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	09/13/18 08:51	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	09/13/18 08:51	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	09/13/18 08:51	
1,1-Dichloroethane	ug/L	<1.0	1.0	09/13/18 08:51	
1,1-Dichloroethene	ug/L	<1.0	1.0	09/13/18 08:51	
1,1-Dichloropropene	ug/L	<1.0	1.0	09/13/18 08:51	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	09/13/18 08:51	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	09/13/18 08:51	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	09/13/18 08:51	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	09/13/18 08:51	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	09/13/18 08:51	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	09/13/18 08:51	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	09/13/18 08:51	
1,2-Dichloroethane	ug/L	<1.0	1.0	09/13/18 08:51	
1,2-Dichloropropane	ug/L	<1.0	1.0	09/13/18 08:51	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	09/13/18 08:51	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	09/13/18 08:51	
1,3-Dichloropropane	ug/L	<1.0	1.0	09/13/18 08:51	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	09/13/18 08:51	
2,2-Dichloropropane	ug/L	<1.0	1.0	09/13/18 08:51	
2-Butanone (MEK)	ug/L	<5.0	5.0	09/13/18 08:51	
2-Chlorotoluene	ug/L	<1.0	1.0	09/13/18 08:51	
2-Hexanone	ug/L	<5.0	5.0	09/13/18 08:51	
4-Chlorotoluene	ug/L	<1.0	1.0	09/13/18 08:51	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	09/13/18 08:51	
Acetone	ug/L	<5.0	5.0	09/13/18 08:51	
Benzene	ug/L	<1.0	1.0	09/13/18 08:51	
Bromobenzene	ug/L	<1.0	1.0	09/13/18 08:51	
Bromochloromethane	ug/L	<1.0	1.0	09/13/18 08:51	
Bromodichloromethane	ug/L	<1.0	1.0	09/13/18 08:51	
Bromoform	ug/L	<1.0	1.0	09/13/18 08:51	
Bromomethane	ug/L	<1.0	1.0	09/13/18 08:51	
Carbon disulfide	ug/L	<1.0	1.0	09/13/18 08:51	
Carbon tetrachloride	ug/L	<1.0	1.0	09/13/18 08:51	
Chlorobenzene	ug/L	<1.0	1.0	09/13/18 08:51	
Chloroethane	ug/L	<1.0	1.0	09/13/18 08:51	
Chloroform	ug/L	<1.0	1.0	09/13/18 08:51	
Chloromethane	ug/L	<1.0	1.0	09/13/18 08:51	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	09/13/18 08:51	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	09/13/18 08:51	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

METHOD BLANK: 380838 Matrix: Water
Associated Lab Samples: 7063856002, 7063856005, 7063856011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<1.0	1.0	09/13/18 08:51	
Dibromomethane	ug/L	<1.0	1.0	09/13/18 08:51	
Dichlorodifluoromethane	ug/L	<1.0	1.0	09/13/18 08:51	
Ethylbenzene	ug/L	<1.0	1.0	09/13/18 08:51	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	09/13/18 08:51	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	09/13/18 08:51	
m&p-Xylene	ug/L	<2.0	2.0	09/13/18 08:51	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	09/13/18 08:51	
Methylene Chloride	ug/L	<1.0	1.0	09/13/18 08:51	
n-Butylbenzene	ug/L	<1.0	1.0	09/13/18 08:51	
n-Propylbenzene	ug/L	<1.0	1.0	09/13/18 08:51	
Naphthalene	ug/L	<1.0	1.0	09/13/18 08:51	
o-Xylene	ug/L	<1.0	1.0	09/13/18 08:51	
p-Isopropyltoluene	ug/L	<1.0	1.0	09/13/18 08:51	
sec-Butylbenzene	ug/L	<1.0	1.0	09/13/18 08:51	
Styrene	ug/L	<1.0	1.0	09/13/18 08:51	
tert-Butylbenzene	ug/L	<1.0	1.0	09/13/18 08:51	
Tetrachloroethene	ug/L	<1.0	1.0	09/13/18 08:51	
Toluene	ug/L	<1.0	1.0	09/13/18 08:51	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	09/13/18 08:51	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	09/13/18 08:51	
Trichloroethene	ug/L	<1.0	1.0	09/13/18 08:51	
Trichlorofluoromethane	ug/L	<1.0	1.0	09/13/18 08:51	
Vinyl acetate	ug/L	<1.0	1.0	09/13/18 08:51	
Vinyl chloride	ug/L	<1.0	1.0	09/13/18 08:51	
Xylene (Total)	ug/L	<3.0	3.0	09/13/18 08:51	
1,2-Dichloroethane-d4 (S)	%	105	68-153	09/13/18 08:51	
4-Bromofluorobenzene (S)	%	104	79-124	09/13/18 08:51	
Toluene-d8 (S)	%	90	69-124	09/13/18 08:51	

LABORATORY CONTROL SAMPLE: 380839

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.1	94	74-113	
1,1,1-Trichloroethane	ug/L	50	51.1	102	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	42.8	86	74-121	
1,1,2-Trichloroethane	ug/L	50	47.0	94	80-117	
1,1-Dichloroethane	ug/L	50	44.4	89	83-151	
1,1-Dichloroethene	ug/L	50	46.3	93	45-146	
1,1-Dichloropropene	ug/L	50	47.8	96	59-127	
1,2,3-Trichlorobenzene	ug/L	50	47.8	96	67-103	
1,2,3-Trichloropropane	ug/L	50	45.4	91	71-123	
1,2,4-Trichlorobenzene	ug/L	50	50.9	102	66-116	
1,2,4-Trimethylbenzene	ug/L	50	49.8	100	68-116	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

LABORATORY CONTROL SAMPLE: 380839

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	50.6	101	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	83-115	
1,2-Dichlorobenzene	ug/L	50	48.4	97	74-113	
1,2-Dichloroethane	ug/L	50	47.1	94	74-129	
1,2-Dichloropropane	ug/L	50	46.2	92	75-117	
1,3,5-Trimethylbenzene	ug/L	50	50.0	100	67-116	
1,3-Dichlorobenzene	ug/L	50	49.5	99	71-112	
1,3-Dichloropropane	ug/L	50	43.2	86	74-112	
1,4-Dichlorobenzene	ug/L	50	48.4	97	71-113	
2,2-Dichloropropane	ug/L	50	49.8	100	63-133	
2-Butanone (MEK)	ug/L	50	42.0	84	44-162	
2-Chlorotoluene	ug/L	50	48.5	97	74-101	
2-Hexanone	ug/L	50	43.7	87	32-183	
4-Chlorotoluene	ug/L	50	50.4	101	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	51.9	104	69-132	
Acetone	ug/L	50	41.8	84	23-188	CH,IH
Benzene	ug/L	50	47.5	95	73-119	
Bromobenzene	ug/L	50	49.8	100	72-102	
Bromochloromethane	ug/L	50	45.9	92	81-116	
Bromodichloromethane	ug/L	50	50.5	101	78-117	
Bromoform	ug/L	50	48.2	96	65-122	
Bromomethane	ug/L	50	44.9	90	52-147	
Carbon disulfide	ug/L	50	46.4	93	41-144	
Carbon tetrachloride	ug/L	50	48.9	98	59-120	
Chlorobenzene	ug/L	50	44.7	89	75-113	
Chloroethane	ug/L	50	45.1	90	49-151	
Chloroform	ug/L	50	46.3	93	72-122	
Chloromethane	ug/L	50	53.3	107	46-144	
cis-1,2-Dichloroethene	ug/L	50	44.5	89	72-121	
cis-1,3-Dichloropropene	ug/L	50	51.1	102	78-116	
Dibromochloromethane	ug/L	50	48.1	96	70-120	
Dibromomethane	ug/L	50	48.2	96	75-125	
Dichlorodifluoromethane	ug/L	50	54.7	109	22-154	
Ethylbenzene	ug/L	50	45.4	91	70-113	
Hexachloro-1,3-butadiene	ug/L	50	52.2	104	59-121	
Isopropylbenzene (Cumene)	ug/L	50	47.9	96	67-115	
m&p-Xylene	ug/L	100	93.5	93	72-115	
Methyl-tert-butyl ether	ug/L	50	48.4	97	72-131	
Methylene Chloride	ug/L	50	43.8	88	61-142	
n-Butylbenzene	ug/L	50	50.1	100	73-107	
n-Propylbenzene	ug/L	50	46.6	93	68-116	
Naphthalene	ug/L	50	50.7	101	70-118	
o-Xylene	ug/L	50	46.4	93	73-117	
p-Isopropyltoluene	ug/L	50	49.4	99	73-101	
sec-Butylbenzene	ug/L	50	47.7	95	72-103	
Styrene	ug/L	50	48.2	96	72-118	
tert-Butylbenzene	ug/L	50	48.1	96	68-100	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

LABORATORY CONTROL SAMPLE: 380839

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	49.9	100	60-128	
Toluene	ug/L	50	48.1	96	72-119	
trans-1,2-Dichloroethene	ug/L	50	44.0	88	56-142	
trans-1,3-Dichloropropene	ug/L	50	53.0	106	79-116	
Trichloroethene	ug/L	50	48.4	97	69-117	
Trichlorofluoromethane	ug/L	50	48.4	97	27-173	
Vinyl acetate	ug/L	50	39.1	78	20-158	
Vinyl chloride	ug/L	50	48.7	97	43-143	
Xylene (Total)	ug/L	150	140	93	71-109	
1,2-Dichloroethane-d4 (S)	%			113	68-153	
4-Bromofluorobenzene (S)	%			108	79-124	
Toluene-d8 (S)	%			93	69-124	

MATRIX SPIKE SAMPLE: 381946

Parameter	Units	7063945009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	47.9	96	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	56.1	112	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	41.8	84	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	48.1	96	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	46.6	93	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	45.7	91	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	52.9	106	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	47.3	95	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	45.2	90	71-123	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	51.3	103	66-116	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	51.1	102	68-116	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	49.9	100	74-119	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	51.8	104	83-115	
1,2-Dichlorobenzene	ug/L	<1.0	50	49.2	98	74-113	
1,2-Dichloroethane	ug/L	<1.0	50	48.0	96	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	48.4	97	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	51.7	103	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	50.3	101	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	45.1	90	74-112	
1,4-Dichlorobenzene	ug/L	<1.0	50	49.1	98	71-113	
2,2-Dichloropropane	ug/L	<1.0	50	54.3	109	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	41.0	82	44-162	
2-Chlorotoluene	ug/L	<1.0	50	50.2	100	74-101	
2-Hexanone	ug/L	<5.0	50	43.4	87	32-183	
4-Chlorotoluene	ug/L	<1.0	50	51.8	104	74-101	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	52.7	105	69-132	
Acetone	ug/L	1.7J	50	39.0	75	23-188	CH,IH
Benzene	ug/L	<1.0	50	50.7	101	73-119	
Bromobenzene	ug/L	<1.0	50	49.8	100	72-102	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

MATRIX SPIKE SAMPLE: 381946

Parameter	Units	7063945009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	ug/L	<1.0	50	46.7	93	81-116	
Bromodichloromethane	ug/L	<1.0	50	53.2	106	78-117	
Bromoform	ug/L	<1.0	50	48.0	96	65-122	
Bromomethane	ug/L	<1.0	50	47.3	95	52-147	
Carbon disulfide	ug/L	<1.0	50	47.6	95	41-144	
Carbon tetrachloride	ug/L	<1.0	50	54.4	109	59-120	
Chlorobenzene	ug/L	1.1	50	47.7	93	75-113	
Chloroethane	ug/L	<1.0	50	49.1	98	49-151	
Chloroform	ug/L	<1.0	50	48.6	97	72-122	
Chloromethane	ug/L	<1.0	50	55.3	111	46-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	47.0	94	72-121	
cis-1,3-Dichloropropene	ug/L	<1.0	50	52.8	106	78-116	
Dibromochloromethane	ug/L	<1.0	50	48.3	97	70-120	
Dibromomethane	ug/L	<1.0	50	48.8	98	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	56.0	112	22-154	
Ethylbenzene	ug/L	<1.0	50	48.2	96	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	56.1	112	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50.0	100	67-115	
m&p-Xylene	ug/L	<2.0	100	98.2	98	72-115	
Methyl-tert-butyl ether	ug/L	<1.0	50	48.6	97	72-131	
Methylene Chloride	ug/L	<1.0	50	46.4	93	61-142	
n-Butylbenzene	ug/L	<1.0	50	52.0	104	73-107	
n-Propylbenzene	ug/L	<1.0	50	48.9	98	68-116	
Naphthalene	ug/L	<1.0	50	48.8	98	70-118	
o-Xylene	ug/L	<1.0	50	48.7	97	73-117	
p-Isopropyltoluene	ug/L	<1.0	50	51.7	103	73-101	M1
sec-Butylbenzene	ug/L	<1.0	50	50.0	100	72-103	
Styrene	ug/L	<1.0	50	50.0	100	72-118	
tert-Butylbenzene	ug/L	<1.0	50	50.6	101	68-100	M1
Tetrachloroethene	ug/L	<1.0	50	53.9	108	60-128	
Toluene	ug/L	<1.0	50	51.8	104	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	47.8	96	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	54.8	110	79-116	
Trichloroethene	ug/L	<1.0	50	53.3	107	69-117	
Trichlorofluoromethane	ug/L	<1.0	50	52.7	105	27-173	
Vinyl acetate	ug/L	<1.0	50	40.6	81	20-158	
Vinyl chloride	ug/L	<1.0	50	52.8	106	43-143	
Xylene (Total)	ug/L	<3.0	150	147	98	71-109	
1,2-Dichloroethane-d4 (S)	%				113	68-153	
4-Bromofluorobenzene (S)	%				107	79-124	
Toluene-d8 (S)	%				91	69-124	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

SAMPLE DUPLICATE: 381945

Parameter	Units	7064127004 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromo-3-chloropropane	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichlorobenzene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	<1.0		
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<1.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	34.8	32.3	8	
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

SAMPLE DUPLICATE: 381945

Parameter	Units	7064127004 Result	Dup Result	RPD	Qualifiers
m&p-Xylene	ug/L	<2.0	<2.0		
Methyl-tert-butyl ether	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
Naphthalene	ug/L	<1.0	<1.0		
o-Xylene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	2.0		
Trichlorofluoromethane	ug/L	<1.0	<1.0		
Vinyl acetate	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	108	108	0	
4-Bromofluorobenzene (S)	%	105	104	0	
Toluene-d8 (S)	%	90	90	1	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

QC Batch: 83243 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 7063856001, 7063856002, 7063856003, 7063856004, 7063856005, 7063856006, 7063856007, 7063856008, 7063856009, 7063856010, 7063856011

METHOD BLANK: 383055 Matrix: Water
Associated Lab Samples: 7063856001, 7063856002, 7063856003, 7063856004, 7063856005, 7063856006, 7063856007, 7063856008, 7063856009, 7063856010, 7063856011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	09/18/18 02:02	
Sulfate	mg/L	<5.0	5.0	09/18/18 02:02	

LABORATORY CONTROL SAMPLE: 383056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.2	92	90-110	
Sulfate	mg/L	10	9.7	97	90-110	

MATRIX SPIKE SAMPLE: 383057

Parameter	Units	7063856006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1150	500	1710	113	80-120	
Sulfate	mg/L	199	50	247	96	80-120	

SAMPLE DUPLICATE: 383058

Parameter	Units	7063856006 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	1150	1140	0	
Sulfate	mg/L	199	200	0	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

QC Batch: 81991 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7063856001, 7063856002, 7063856003, 7063856004, 7063856005, 7063856006, 7063856007, 7063856008, 7063856009, 7063856010, 7063856011

METHOD BLANK: 377265 Matrix: Water
Associated Lab Samples: 7063856001, 7063856002, 7063856003, 7063856004, 7063856005, 7063856006, 7063856007, 7063856008, 7063856009, 7063856010, 7063856011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	09/06/18 20:33	

LABORATORY CONTROL SAMPLE: 377266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE: 377267

Parameter	Units	7063856006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.55	111	90-110	M1

MATRIX SPIKE SAMPLE: 377269

Parameter	Units	7063856001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.56	112	90-110	M1

SAMPLE DUPLICATE: 377268

Parameter	Units	7063856006 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 377270

Parameter	Units	7063856001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

QC Batch: 82005 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate, Unpres.
Associated Lab Samples: 7063856001, 7063856002, 7063856003, 7063856004, 7063856005, 7063856006, 7063856007, 7063856008, 7063856009

METHOD BLANK: 377337 Matrix: Water
Associated Lab Samples: 7063856001, 7063856002, 7063856003, 7063856004, 7063856005, 7063856006, 7063856007, 7063856008, 7063856009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	09/07/18 00:59	

LABORATORY CONTROL SAMPLE: 377338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.96	96	90-110	

MATRIX SPIKE SAMPLE: 377339

Parameter	Units	7063856006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	.5	0.52	103	90-110	

MATRIX SPIKE SAMPLE: 377341

Parameter	Units	7063856001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.5	5	8.5	100	90-110	

SAMPLE DUPLICATE: 377340

Parameter	Units	7063856006 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 377342

Parameter	Units	7063856001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.5	3.5	0	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

QC Batch: 82006
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate, Unpres.
Associated Lab Samples: 7063856010, 7063856011

METHOD BLANK: 377343 Matrix: Water
Associated Lab Samples: 7063856010, 7063856011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	09/07/18 06:57	

LABORATORY CONTROL SAMPLE: 377344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.1	107	90-110	

MATRIX SPIKE SAMPLE: 377345

Parameter	Units	7063917001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	6.3	5	11.4	101	90-110	

MATRIX SPIKE SAMPLE: 377347

Parameter	Units	7063904001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.2	5	8.2	100	90-110	

SAMPLE DUPLICATE: 377346

Parameter	Units	7063917001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	6.3	6.3	0	

SAMPLE DUPLICATE: 377348

Parameter	Units	7063904001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.2	3.3	0	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 7063856001
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7063856002
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7063856003
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7063856004
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7063856005
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7063856006
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7063856007
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7063856008
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7063856009
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

SAMPLE QUALIFIERS

Sample: 7063856010
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7063856011
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7063856012
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 379032
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 379033
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 380308
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 380309
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 380838
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 380839
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 381945
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 381946
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the EPA method holding time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7063856001	**MW-19**	EPA 200.7	82195	EPA 200.7	82197
7063856002	**MW-46**	EPA 200.7	82195	EPA 200.7	82197
7063856003	**MW-62**	EPA 200.7	82195	EPA 200.7	82197
7063856004	**MW-64S**	EPA 200.7	82195	EPA 200.7	82197
7063856005	**MW-64D**	EPA 200.7	82195	EPA 200.7	82197
7063856006	**MW-65**	EPA 200.7	82195	EPA 200.7	82197
7063856007	**MW-67**	EPA 200.7	82195	EPA 200.7	82197
7063856008	**MW-68**	EPA 200.7	82195	EPA 200.7	82197
7063856009	**MW-70S**	EPA 200.7	82195	EPA 200.7	82197
7063856010	**MW-70D**	EPA 200.7	82195	EPA 200.7	82197
7063856011	**DUP X**	EPA 200.7	82195	EPA 200.7	82197
7063856001	**MW-19**	EPA 8260C/5030C	82365		
7063856002	**MW-46**	EPA 8260C/5030C	82788		
7063856003	**MW-62**	EPA 8260C/5030C	82365		
7063856004	**MW-64S**	EPA 8260C/5030C	82365		
7063856005	**MW-64D**	EPA 8260C/5030C	82788		
7063856006	**MW-65**	EPA 8260C/5030C	82365		
7063856007	**MW-67**	EPA 8260C/5030C	82365		
7063856008	**MW-68**	EPA 8260C/5030C	82365		
7063856009	**MW-70S**	EPA 8260C/5030C	82365		
7063856010	**MW-70D**	EPA 8260C/5030C	82365		
7063856011	**DUP X**	EPA 8260C/5030C	82788		
7063856012	**TRIP BLANK**	EPA 8260C/5030C	82365		
7063856001	**MW-19**	EPA 300.0	83243		
7063856002	**MW-46**	EPA 300.0	83243		
7063856003	**MW-62**	EPA 300.0	83243		
7063856004	**MW-64S**	EPA 300.0	83243		
7063856005	**MW-64D**	EPA 300.0	83243		
7063856006	**MW-65**	EPA 300.0	83243		
7063856007	**MW-67**	EPA 300.0	83243		
7063856008	**MW-68**	EPA 300.0	83243		
7063856009	**MW-70S**	EPA 300.0	83243		
7063856010	**MW-70D**	EPA 300.0	83243		
7063856011	**DUP X**	EPA 300.0	83243		
7063856001	**MW-19**	EPA 353.2	82005		
7063856002	**MW-46**	EPA 353.2	82005		
7063856003	**MW-62**	EPA 353.2	82005		
7063856004	**MW-64S**	EPA 353.2	82005		
7063856005	**MW-64D**	EPA 353.2	82005		
7063856006	**MW-65**	EPA 353.2	82005		
7063856007	**MW-67**	EPA 353.2	82005		
7063856008	**MW-68**	EPA 353.2	82005		
7063856009	**MW-70S**	EPA 353.2	82005		
7063856010	**MW-70D**	EPA 353.2	82006		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7063856011	**DUP X**	EPA 353.2	82006		
7063856001	**MW-19**	EPA 353.2	81991		
7063856002	**MW-46**	EPA 353.2	81991		
7063856003	**MW-62**	EPA 353.2	81991		
7063856004	**MW-64S**	EPA 353.2	81991		
7063856005	**MW-64D**	EPA 353.2	81991		
7063856006	**MW-65**	EPA 353.2	81991		
7063856007	**MW-67**	EPA 353.2	81991		
7063856008	**MW-68**	EPA 353.2	81991		
7063856009	**MW-70S**	EPA 353.2	81991		
7063856010	**MW-70D**	EPA 353.2	81991		
7063856011	**DUP X**	EPA 353.2	81991		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT- Complete all relevant fields

LAB USE ONLY- Af ... r MTJL Log-

ALL ... Y

WO#: 7063856

7063856

Company: BARTON & LOGUIDICE

Billing Information: Accounts Payable 337 Electronics PKWY Syracuse, NY

Address: 10 AIRLINE DR. SUITE 200 ALBANY, NY 12205

Report To: ANDY BARBER

Email To: CSTEINMULLER@BARTONANDLOGUIDICE.COM

Copy To: CORINNE STEINMULLER

Site Collection Info/Address: SCHENECTADY, NY 12308

Customer Project Name/Number: ALCO DISCHARGE (Q3)

State NY County/City SCHENECTADY Time Zone Collected EST

Container Preservative Type **

3	U	1						

Lab Project Manager: JOHN.STANTON@PACELABS.COM

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Phone: (518)218-1801
Email: CSTEINMULLER@BARTONANDLOGUIDICE.COM

Site/Facility ID #

Compliance Monitoring? [ ] Yes [ ] No

C. STEINMULLER

Purchase Order # 1368.001.001

Quote #

DW PWS ID #:

DW Location Code #:

Collected by (signature):

Turnaround Date Required: 2 WEEK

Immediately Packed on Ice? [ ] Yes [ ] No

Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive _____ [ ] Hold _____

RUSH: Same Day Next Day 2 Day 3 Day 4 Day 5 Day (Expedite Charges Apply)

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:_____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix*	Comp/ Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOC 8260	SULFATE	CHLORIDE	NITRATE	TOTAL HARDNESS	MS/MSD					↓ LAB USE ONLY: ↓
MW-19	WW	G	9/5/18	930	***	***		5	X	X	X	X	X						001
MW-46	WW	G		944	***	***		5	X	X	X	X	X						002
MW-62	WW	G		829	***	***		5	X	X	X	X	X						003
MW-64S	WW	G		434	***	***		5	X	X	X	X	X						004
MW-64D	WW	G		805	***	***		5	X	X	X	X	X						005
MW-65 (MS/MSD)	WW	G		716	***	***		11	X	X	X	X	X	X					006
MW-67	WW	G		855	***	***		5	X	X	X	X	X						007
MW-68	WW	G		842	***	***		5	X	X	X	X	X						008
MW-70S	WW	G		957	***	***		5	X	X	X	X	X						009
MW-70D	WW	G		1015	***	***		5	X	X	X	X	X						010
DUP X	WW	G		—	***	***		5	X	X	X	X	X						011
TRIP BLANK	TB	G		—	***	***		2	X	X	X	X	X						012

LAB Profile/Line:

LAB Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples received on ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in holding time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips: H084916			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

Customer Remarks/ Special Conditions/ Possible Hazards:

Type of Ice Used: Wet [ ] Blue [ ] Dry [ ] None [ ]

SHORT HOLDS PRESENT (< 72 hours): Y N N/A

Packing Material Used: bubble bags

LAB Tracking #: 4414 8129 6203

Samples received via: FEDEX [ ] UPS [ ] Client [ ] Courier [ ] Pace Courier [ ]

MTJL LAB USE ONLY

Table #:_____
ACCT #:_____
Template:_____
Prelogin:_____
PM:_____
PB:_____

LAB Sample Temperature Info:
Temp Blank received: Y N NA
Therm ID #: TH091
Cooler 1 Temp Upon Receipt 2.9 oC
Cooler 1 Therm Corr. Factor 0.0 oC
Cooler 1 Corrected Temp 2.9 oC
Comments:

Trip Blank Received: Y N N/A
HCL MeOH TSP Other

NonConformance(s) YES / NO

Page _____ of _____

Relinquished by/Company : (Signature)	Date/Time:	Received by/Company : (Signature)	Date/Time:
B+L	9/5/19 1035	T. Bailey (PACE)	9/5/18 10:35
T. Bailey (PACE)	9/5/18 16:00	VIA FED EX →	
			9/6/18 10:00

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

December 17, 2018

Corinne Steinmuller
Barton and Loguidice
10 Airline Drive Suite 200
Albany,

RE: Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Dear Corinne Steinmuller:
Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Andy Barber, B&L

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-19 **Lab ID: 7072864001** Collected: 12/04/18 12:00 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**331000**	ug/L	2500	1	12/06/18 07:20	12/06/18 22:00		
Calcium	**133000**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:00	7440-70-2	
Hardness, Magnesium	**53100**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:00		N3
Magnesium	**12900**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:00	7439-95-4	
Potassium	**11400**	ug/L	5000	1	12/06/18 07:20	12/06/18 22:00	7440-09-7	
Sodium	**570000**	ug/L	5000	1	12/06/18 07:20	12/06/18 22:00	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**384000**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:00		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	630-20-6	L1
1,1,1-Trichloroethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	71-55-6	
1,1,2,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	79-34-5	
1,1,2-Trichloroethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	79-00-5	
1,1-Dichloroethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	75-34-3	
1,1-Dichloroethene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	75-35-4	
1,1-Dichloropropene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	563-58-6	
1,2,3-Trichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	87-61-6	
1,2,3-Trichloropropane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	96-18-4	
1,2,4-Trichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	120-82-1	
1,2,4-Trimethylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	95-63-6	
1,2-Dibromo-3-chloropropane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	96-12-8	
1,2-Dibromoethane (EDB)	**<10.0**	ug/L	10.0	10		12/06/18 16:01	106-93-4	
1,2-Dichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	95-50-1	
1,2-Dichloroethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	107-06-2	
1,2-Dichloropropane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	78-87-5	
1,3,5-Trimethylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	108-67-8	
1,3-Dichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	541-73-1	
1,3-Dichloropropane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	142-28-9	
1,4-Dichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	106-46-7	
2,2-Dichloropropane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	594-20-7	
2-Butanone (MEK)	**<50.0**	ug/L	50.0	10		12/06/18 16:01	78-93-3	
2-Chlorotoluene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	95-49-8	
2-Hexanone	**<50.0**	ug/L	50.0	10		12/06/18 16:01	591-78-6	
4-Chlorotoluene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<50.0**	ug/L	50.0	10		12/06/18 16:01	108-10-1	L1
Acetone	**<50.0**	ug/L	50.0	10		12/06/18 16:01	67-64-1	
Benzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	71-43-2	
Bromobenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	108-86-1	L1
Bromochloromethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	74-97-5	
Bromodichloromethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	75-27-4	
Bromoform	**<10.0**	ug/L	10.0	10		12/06/18 16:01	75-25-2	
Bromomethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	74-83-9	
Carbon disulfide	**<10.0**	ug/L	10.0	10		12/06/18 16:01	75-15-0	CL
Carbon tetrachloride	**<10.0**	ug/L	10.0	10		12/06/18 16:01	56-23-5	
Chlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	108-90-7	
Chloroethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-19 **Lab ID: 7072864001** Collected: 12/04/18 12:00 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<10.0**	ug/L	10.0	10		12/06/18 16:01	67-66-3	
Chloromethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	74-87-3	
Dibromochloromethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	124-48-1	
Dibromomethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	74-95-3	
Dichlorodifluoromethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	75-71-8	
Ethylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	100-41-4	
Hexachloro-1,3-butadiene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	87-68-3	
Isopropylbenzene (Cumene)	**<10.0**	ug/L	10.0	10		12/06/18 16:01	98-82-8	
Methyl-tert-butyl ether	**<10.0**	ug/L	10.0	10		12/06/18 16:01	1634-04-4	
Methylene Chloride	**<10.0**	ug/L	10.0	10		12/06/18 16:01	75-09-2	
Naphthalene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	91-20-3	
Styrene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	100-42-5	
Tetrachloroethene	**1280**	ug/L	10.0	10		12/06/18 16:01	127-18-4	CH
Toluene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	108-88-3	
Trichloroethene	**112**	ug/L	10.0	10		12/06/18 16:01	79-01-6	
Trichlorofluoromethane	**<10.0**	ug/L	10.0	10		12/06/18 16:01	75-69-4	
Vinyl acetate	**<10.0**	ug/L	10.0	10		12/06/18 16:01	108-05-4	
Vinyl chloride	**<10.0**	ug/L	10.0	10		12/06/18 16:01	75-01-4	
Xylene (Total)	**<30.0**	ug/L	30.0	10		12/06/18 16:01	1330-20-7	
cis-1,2-Dichloroethene	**109**	ug/L	10.0	10		12/06/18 16:01	156-59-2	
cis-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	10061-01-5	
m&p-Xylene	**<20.0**	ug/L	20.0	10		12/06/18 16:01	179601-23-1	
n-Butylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	104-51-8	
n-Propylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	103-65-1	
o-Xylene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	95-47-6	
p-Isopropyltoluene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	99-87-6	L1
sec-Butylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	135-98-8	
tert-Butylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	98-06-6	L1
trans-1,2-Dichloroethene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	156-60-5	
trans-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		12/06/18 16:01	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	68-153	10		12/06/18 16:01	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	10		12/06/18 16:01	460-00-4	
Toluene-d8 (S)	97	%	69-124	10		12/06/18 16:01	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**967**	mg/L	40.0	20		12/13/18 22:50	16887-00-6	
Sulfate	**154**	mg/L	50.0	10		12/13/18 22:33	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**0.63**	mg/L	0.050	1		12/05/18 21:05	14797-55-8	
Nitrate-Nitrite (as N)	**0.63**	mg/L	0.050	1		12/05/18 21:05	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/05/18 19:30	14797-65-0	M1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-46 **Lab ID: 7072864002** Collected: 12/04/18 12:10 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**748000**	ug/L	2500	1	12/06/18 07:20	12/06/18 22:05		
Calcium	**300000**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:05	7440-70-2	
Hardness, Magnesium	**161000**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:05		N3
Magnesium	**39000**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:05	7439-95-4	
Potassium	**14300**	ug/L	5000	1	12/06/18 07:20	12/06/18 22:05	7440-09-7	
Sodium	**1450000**	ug/L	50000	10	12/06/18 07:20	12/07/18 10:59	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**909000**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:05		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	630-20-6	L1
1,1,1-Trichloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	71-55-6	
1,1,2,2-Tetrachloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	79-34-5	
1,1,2-Trichloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	79-00-5	
1,1-Dichloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	75-34-3	
1,1-Dichloroethene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	75-35-4	
1,1-Dichloropropene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	563-58-6	
1,2,3-Trichlorobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	87-61-6	
1,2,3-Trichloropropane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	96-18-4	
1,2,4-Trichlorobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	120-82-1	
1,2,4-Trimethylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	95-63-6	
1,2-Dibromo-3-chloropropane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	96-12-8	
1,2-Dibromoethane (EDB)	**<20.0**	ug/L	20.0	20		12/06/18 16:55	106-93-4	
1,2-Dichlorobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	95-50-1	
1,2-Dichloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	107-06-2	
1,2-Dichloropropane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	78-87-5	
1,3,5-Trimethylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	108-67-8	
1,3-Dichlorobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	541-73-1	
1,3-Dichloropropane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	142-28-9	
1,4-Dichlorobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	106-46-7	
2,2-Dichloropropane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	594-20-7	
2-Butanone (MEK)	**<100**	ug/L	100	20		12/06/18 16:55	78-93-3	
2-Chlorotoluene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	95-49-8	
2-Hexanone	**<100**	ug/L	100	20		12/06/18 16:55	591-78-6	
4-Chlorotoluene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<100**	ug/L	100	20		12/06/18 16:55	108-10-1	L1
Acetone	**<100**	ug/L	100	20		12/06/18 16:55	67-64-1	
Benzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	71-43-2	
Bromobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	108-86-1	L1
Bromochloromethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	74-97-5	
Bromodichloromethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	75-27-4	
Bromoform	**<20.0**	ug/L	20.0	20		12/06/18 16:55	75-25-2	
Bromomethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	74-83-9	
Carbon disulfide	**<20.0**	ug/L	20.0	20		12/06/18 16:55	75-15-0	CL
Carbon tetrachloride	**<20.0**	ug/L	20.0	20		12/06/18 16:55	56-23-5	
Chlorobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	108-90-7	
Chloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-46 **Lab ID: 7072864002** Collected: 12/04/18 12:10 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<20.0**	ug/L	20.0	20		12/06/18 16:55	67-66-3	
Chloromethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	74-87-3	
Dibromochloromethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	124-48-1	
Dibromomethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	74-95-3	
Dichlorodifluoromethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	75-71-8	
Ethylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	100-41-4	
Hexachloro-1,3-butadiene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	87-68-3	
Isopropylbenzene (Cumene)	**<20.0**	ug/L	20.0	20		12/06/18 16:55	98-82-8	
Methyl-tert-butyl ether	**<20.0**	ug/L	20.0	20		12/06/18 16:55	1634-04-4	
Methylene Chloride	**<20.0**	ug/L	20.0	20		12/06/18 16:55	75-09-2	
Naphthalene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	91-20-3	
Styrene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	100-42-5	
Tetrachloroethene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	127-18-4	
Toluene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	108-88-3	
Trichloroethene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	79-01-6	
Trichlorofluoromethane	**<20.0**	ug/L	20.0	20		12/06/18 16:55	75-69-4	
Vinyl acetate	**<20.0**	ug/L	20.0	20		12/06/18 16:55	108-05-4	
Vinyl chloride	**273**	ug/L	20.0	20		12/06/18 16:55	75-01-4	
Xylene (Total)	**<60.0**	ug/L	60.0	20		12/06/18 16:55	1330-20-7	
cis-1,2-Dichloroethene	**2030**	ug/L	20.0	20		12/06/18 16:55	156-59-2	
cis-1,3-Dichloropropene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	10061-01-5	
m&p-Xylene	**<40.0**	ug/L	40.0	20		12/06/18 16:55	179601-23-1	
n-Butylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	104-51-8	
n-Propylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	103-65-1	
o-Xylene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	95-47-6	
p-Isopropyltoluene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	99-87-6	L1
sec-Butylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	135-98-8	
tert-Butylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	98-06-6	L1
trans-1,2-Dichloroethene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	156-60-5	
trans-1,3-Dichloropropene	**<20.0**	ug/L	20.0	20		12/06/18 16:55	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	68-153	20		12/06/18 16:55	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	20		12/06/18 16:55	460-00-4	
Toluene-d8 (S)	98	%	69-124	20		12/06/18 16:55	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**2650**	mg/L	200	100		12/13/18 23:23	16887-00-6	
Sulfate	**207**	mg/L	50.0	10		12/13/18 23:07	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		12/05/18 21:06	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		12/05/18 21:06	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/05/18 19:34	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-62 **Lab ID: 7072864003** Collected: 12/04/18 10:15 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**421000**	ug/L	2500	1	12/06/18 07:20	12/06/18 22:11		
Calcium	**169000**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:11	7440-70-2	
Hardness, Magnesium	**88700**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:11		N3
Magnesium	**21500**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:11	7439-95-4	
Potassium	**<5000**	ug/L	5000	1	12/06/18 07:20	12/06/18 22:11	7440-09-7	
Sodium	**159000**	ug/L	5000	1	12/06/18 07:20	12/06/18 22:11	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**510000**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:11		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	630-20-6	L1
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/06/18 15:43	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/06/18 15:43	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/06/18 15:43	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/06/18 15:43	108-10-1	L1
Acetone	**<5.0**	ug/L	5.0	1		12/06/18 15:43	67-64-1	IH
Benzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/06/18 15:43	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/06/18 15:43	75-15-0	CL
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/06/18 15:43	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-62 **Lab ID: 7072864003** Collected: 12/04/18 10:15 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		12/06/18 15:43	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/06/18 15:43	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		12/06/18 15:43	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/06/18 15:43	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 15:43	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		12/06/18 15:43	108-05-4	
Vinyl chloride	**13.0**	ug/L	1.0	1		12/06/18 15:43	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		12/06/18 15:43	1330-20-7	
cis-1,2-Dichloroethene	**61.9**	ug/L	1.0	1		12/06/18 15:43	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		12/06/18 15:43	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	98-06-6	L1
trans-1,2-Dichloroethene	**1.1**	ug/L	1.0	1		12/06/18 15:43	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 15:43	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/06/18 15:43	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		12/06/18 15:43	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/06/18 15:43	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**187**	mg/L	20.0	10		12/13/18 23:40	16887-00-6	
Sulfate	**42.6**	mg/L	5.0	1		12/10/18 23:47	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**0.096**	mg/L	0.050	1		12/05/18 21:07	14797-55-8	
Nitrate-Nitrite (as N)	**0.096**	mg/L	0.050	1		12/05/18 21:07	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/05/18 19:35	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-64S **Lab ID: 7072864004** Collected: 12/04/18 09:27 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**281000**	ug/L	2500	1	12/06/18 07:20	12/06/18 22:17		
Calcium	**112000**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:17	7440-70-2	
Hardness, Magnesium	**63600**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:17		N3
Magnesium	**15400**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:17	7439-95-4	
Potassium	**7490**	ug/L	5000	1	12/06/18 07:20	12/06/18 22:17	7440-09-7	
Sodium	**32300**	ug/L	5000	1	12/06/18 07:20	12/06/18 22:17	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**344000**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:17		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	630-20-6	L1
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/06/18 13:17	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/06/18 13:17	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/06/18 13:17	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/06/18 13:17	108-10-1	L1
Acetone	**<5.0**	ug/L	5.0	1		12/06/18 13:17	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/06/18 13:17	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/06/18 13:17	75-15-0	CL
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/06/18 13:17	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	75-00-3	

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-64S **Lab ID: 7072864004** Collected: 12/04/18 09:27 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		12/06/18 13:17	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/06/18 13:17	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		12/06/18 13:17	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/06/18 13:17	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 13:17	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		12/06/18 13:17	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/06/18 13:17	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		12/06/18 13:17	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		12/06/18 13:17	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 13:17	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	68-153	1		12/06/18 13:17	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		12/06/18 13:17	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/06/18 13:17	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**52.9**	mg/L	10.0	5		12/13/18 23:57	16887-00-6	
Sulfate	**<5.0**	mg/L	5.0	1		12/11/18 00:03	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		12/05/18 21:08	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		12/05/18 21:08	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/05/18 19:36	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-64D **Lab ID: 7072864005** Collected: 12/04/18 09:46 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**965000**	ug/L	2500	1	12/06/18 07:20	12/06/18 22:22		
Calcium	**386000**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:22	7440-70-2	
Hardness, Magnesium	**321000**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:22		N3
Magnesium	**78100**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:22	7439-95-4	
Potassium	**7050**	ug/L	5000	1	12/06/18 07:20	12/06/18 22:22	7440-09-7	
Sodium	**610000**	ug/L	5000	1	12/06/18 07:20	12/06/18 22:22	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**1290000**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:22		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	630-20-6	L1
1,1,1-Trichloroethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	71-55-6	
1,1,2,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	79-34-5	
1,1,2-Trichloroethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	79-00-5	
1,1-Dichloroethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	75-34-3	
1,1-Dichloroethene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	75-35-4	
1,1-Dichloropropene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	563-58-6	
1,2,3-Trichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	87-61-6	
1,2,3-Trichloropropane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	96-18-4	
1,2,4-Trichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	120-82-1	
1,2,4-Trimethylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	95-63-6	
1,2-Dibromo-3-chloropropane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	96-12-8	
1,2-Dibromoethane (EDB)	**<10.0**	ug/L	10.0	10		12/06/18 13:36	106-93-4	
1,2-Dichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	95-50-1	
1,2-Dichloroethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	107-06-2	
1,2-Dichloropropane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	78-87-5	
1,3,5-Trimethylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	108-67-8	
1,3-Dichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	541-73-1	
1,3-Dichloropropane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	142-28-9	
1,4-Dichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	106-46-7	
2,2-Dichloropropane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	594-20-7	
2-Butanone (MEK)	**<50.0**	ug/L	50.0	10		12/06/18 13:36	78-93-3	
2-Chlorotoluene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	95-49-8	
2-Hexanone	**<50.0**	ug/L	50.0	10		12/06/18 13:36	591-78-6	
4-Chlorotoluene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<50.0**	ug/L	50.0	10		12/06/18 13:36	108-10-1	L1
Acetone	**<50.0**	ug/L	50.0	10		12/06/18 13:36	67-64-1	
Benzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	71-43-2	
Bromobenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	108-86-1	L1
Bromochloromethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	74-97-5	
Bromodichloromethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	75-27-4	
Bromoform	**<10.0**	ug/L	10.0	10		12/06/18 13:36	75-25-2	
Bromomethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	74-83-9	
Carbon disulfide	**<10.0**	ug/L	10.0	10		12/06/18 13:36	75-15-0	CL
Carbon tetrachloride	**<10.0**	ug/L	10.0	10		12/06/18 13:36	56-23-5	
Chlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	108-90-7	
Chloroethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	75-00-3	

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-64D **Lab ID: 7072864005** Collected: 12/04/18 09:46 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<10.0**	ug/L	10.0	10		12/06/18 13:36	67-66-3	
Chloromethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	74-87-3	
Dibromochloromethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	124-48-1	
Dibromomethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	74-95-3	
Dichlorodifluoromethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	75-71-8	
Ethylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	100-41-4	
Hexachloro-1,3-butadiene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	87-68-3	
Isopropylbenzene (Cumene)	**<10.0**	ug/L	10.0	10		12/06/18 13:36	98-82-8	
Methyl-tert-butyl ether	**<10.0**	ug/L	10.0	10		12/06/18 13:36	1634-04-4	
Methylene Chloride	**<10.0**	ug/L	10.0	10		12/06/18 13:36	75-09-2	
Naphthalene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	91-20-3	
Styrene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	100-42-5	
Tetrachloroethene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	127-18-4	
Toluene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	108-88-3	
Trichloroethene	**360**	ug/L	10.0	10		12/06/18 13:36	79-01-6	
Trichlorofluoromethane	**<10.0**	ug/L	10.0	10		12/06/18 13:36	75-69-4	
Vinyl acetate	**<10.0**	ug/L	10.0	10		12/06/18 13:36	108-05-4	
Vinyl chloride	**117**	ug/L	10.0	10		12/06/18 13:36	75-01-4	
Xylene (Total)	**<30.0**	ug/L	30.0	10		12/06/18 13:36	1330-20-7	
cis-1,2-Dichloroethene	**1480**	ug/L	10.0	10		12/06/18 13:36	156-59-2	
cis-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	10061-01-5	
m&p-Xylene	**<20.0**	ug/L	20.0	10		12/06/18 13:36	179601-23-1	
n-Butylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	104-51-8	
n-Propylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	103-65-1	
o-Xylene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	95-47-6	
p-Isopropyltoluene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	99-87-6	L1
sec-Butylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	135-98-8	
tert-Butylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	98-06-6	L1
trans-1,2-Dichloroethene	**32.7**	ug/L	10.0	10		12/06/18 13:36	156-60-5	
trans-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		12/06/18 13:36	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	68-153	10		12/06/18 13:36	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	10		12/06/18 13:36	460-00-4	
Toluene-d8 (S)	97	%	69-124	10		12/06/18 13:36	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1100**	mg/L	200	100		12/14/18 00:30	16887-00-6	
Sulfate	**818**	mg/L	500	100		12/14/18 00:30	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		12/05/18 21:10	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		12/05/18 21:10	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/05/18 19:37	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-65(MS/MSD) **Lab ID: 7072864006** Collected: 12/04/18 08:48 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**844000**	ug/L	2500	1	12/06/18 07:20	12/06/18 22:28		
Calcium	**338000**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:28	7440-70-2	M1
Hardness, Magnesium	**283000**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:28		N3
Magnesium	**68800**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:28	7439-95-4	
Potassium	**9280**	ug/L	5000	1	12/06/18 07:20	12/06/18 22:28	7440-09-7	
Sodium	**584000**	ug/L	5000	1	12/06/18 07:20	12/06/18 22:28	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**1130000**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:28		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	630-20-6	L1
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	75-34-3	
1,1-Dichloroethene	**1.1**	ug/L	1.0	1		12/06/18 17:13	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/06/18 17:13	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/06/18 17:13	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/06/18 17:13	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/06/18 17:13	108-10-1	L1,M0
Acetone	**<5.0**	ug/L	5.0	1		12/06/18 17:13	67-64-1	IH
Benzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/06/18 17:13	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/06/18 17:13	75-15-0	CL
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/06/18 17:13	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-65(MS/MSD) **Lab ID: 7072864006** Collected: 12/04/18 08:48 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		12/06/18 17:13	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/06/18 17:13	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		12/06/18 17:13	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/06/18 17:13	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	100-42-5	
Tetrachloroethene	**296**	ug/L	5.0	5		12/06/18 13:54	127-18-4	CH,M1
Toluene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	108-88-3	
Trichloroethene	**140**	ug/L	1.0	1		12/06/18 17:13	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 17:13	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		12/06/18 17:13	108-05-4	
Vinyl chloride	**22.3**	ug/L	1.0	1		12/06/18 17:13	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		12/06/18 17:13	1330-20-7	
cis-1,2-Dichloroethene	**283**	ug/L	5.0	5		12/06/18 13:54	156-59-2	M1
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		12/06/18 17:13	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	98-06-6	L1
trans-1,2-Dichloroethene	**1.4**	ug/L	1.0	1		12/06/18 17:13	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 17:13	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	68-153	1		12/06/18 17:13	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124	1		12/06/18 17:13	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		12/06/18 17:13	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1250**	mg/L	200	100		12/14/18 02:10	16887-00-6	
Sulfate	**307**	mg/L	50.0	10		12/14/18 00:47	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		12/05/18 21:11	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		12/05/18 21:11	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/05/18 19:39	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-67 **Lab ID: 7072864007** Collected: 12/04/18 11:00 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**641000**	ug/L	2500	1	12/06/18 07:20	12/06/18 22:51		
Calcium	**257000**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:51	7440-70-2	
Hardness, Magnesium	**185000**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:51		N3
Magnesium	**45000**	ug/L	1000	1	12/06/18 07:20	12/06/18 22:51	7439-95-4	
Potassium	**8480**	ug/L	5000	1	12/06/18 07:20	12/06/18 22:51	7440-09-7	
Sodium	**597000**	ug/L	5000	1	12/06/18 07:20	12/06/18 22:51	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**826000**	ug/L	4100	1	12/06/18 07:20	12/06/18 22:51		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	630-20-6	L1
1,1,1-Trichloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	71-55-6	
1,1,2,2-Tetrachloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	79-34-5	
1,1,2-Trichloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	79-00-5	
1,1-Dichloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	75-34-3	
1,1-Dichloroethene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	75-35-4	
1,1-Dichloropropene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	563-58-6	
1,2,3-Trichlorobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	87-61-6	
1,2,3-Trichloropropane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	96-18-4	
1,2,4-Trichlorobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	120-82-1	
1,2,4-Trimethylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	95-63-6	
1,2-Dibromo-3-chloropropane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	96-12-8	
1,2-Dibromoethane (EDB)	**<20.0**	ug/L	20.0	20		12/06/18 16:37	106-93-4	
1,2-Dichlorobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	95-50-1	
1,2-Dichloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	107-06-2	
1,2-Dichloropropane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	78-87-5	
1,3,5-Trimethylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	108-67-8	
1,3-Dichlorobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	541-73-1	
1,3-Dichloropropane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	142-28-9	
1,4-Dichlorobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	106-46-7	
2,2-Dichloropropane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	594-20-7	
2-Butanone (MEK)	**<100**	ug/L	100	20		12/06/18 16:37	78-93-3	
2-Chlorotoluene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	95-49-8	
2-Hexanone	**<100**	ug/L	100	20		12/06/18 16:37	591-78-6	
4-Chlorotoluene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<100**	ug/L	100	20		12/06/18 16:37	108-10-1	L1
Acetone	**<100**	ug/L	100	20		12/06/18 16:37	67-64-1	
Benzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	71-43-2	
Bromobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	108-86-1	L1
Bromochloromethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	74-97-5	
Bromodichloromethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	75-27-4	
Bromoform	**<20.0**	ug/L	20.0	20		12/06/18 16:37	75-25-2	
Bromomethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	74-83-9	
Carbon disulfide	**<20.0**	ug/L	20.0	20		12/06/18 16:37	75-15-0	CL
Carbon tetrachloride	**<20.0**	ug/L	20.0	20		12/06/18 16:37	56-23-5	
Chlorobenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	108-90-7	
Chloroethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-67 **Lab ID: 7072864007** Collected: 12/04/18 11:00 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<20.0**	ug/L	20.0	20		12/06/18 16:37	67-66-3	
Chloromethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	74-87-3	
Dibromochloromethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	124-48-1	
Dibromomethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	74-95-3	
Dichlorodifluoromethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	75-71-8	
Ethylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	100-41-4	
Hexachloro-1,3-butadiene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	87-68-3	
Isopropylbenzene (Cumene)	**<20.0**	ug/L	20.0	20		12/06/18 16:37	98-82-8	
Methyl-tert-butyl ether	**<20.0**	ug/L	20.0	20		12/06/18 16:37	1634-04-4	
Methylene Chloride	**<20.0**	ug/L	20.0	20		12/06/18 16:37	75-09-2	
Naphthalene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	91-20-3	
Styrene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	100-42-5	
Tetrachloroethene	**134**	ug/L	20.0	20		12/06/18 16:37	127-18-4	CH
Toluene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	108-88-3	
Trichloroethene	**155**	ug/L	20.0	20		12/06/18 16:37	79-01-6	
Trichlorofluoromethane	**<20.0**	ug/L	20.0	20		12/06/18 16:37	75-69-4	
Vinyl acetate	**<20.0**	ug/L	20.0	20		12/06/18 16:37	108-05-4	
Vinyl chloride	**381**	ug/L	20.0	20		12/06/18 16:37	75-01-4	
Xylene (Total)	**<60.0**	ug/L	60.0	20		12/06/18 16:37	1330-20-7	
cis-1,2-Dichloroethene	**2260**	ug/L	20.0	20		12/06/18 16:37	156-59-2	
cis-1,3-Dichloropropene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	10061-01-5	
m&p-Xylene	**<40.0**	ug/L	40.0	20		12/06/18 16:37	179601-23-1	
n-Butylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	104-51-8	
n-Propylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	103-65-1	
o-Xylene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	95-47-6	
p-Isopropyltoluene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	99-87-6	L1
sec-Butylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	135-98-8	
tert-Butylbenzene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	98-06-6	L1
trans-1,2-Dichloroethene	**25.0**	ug/L	20.0	20		12/06/18 16:37	156-60-5	
trans-1,3-Dichloropropene	**<20.0**	ug/L	20.0	20		12/06/18 16:37	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	68-153	20		12/06/18 16:37	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124	20		12/06/18 16:37	460-00-4	
Toluene-d8 (S)	98	%	69-124	20		12/06/18 16:37	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**1110**	mg/L	200	100		12/14/18 03:17	16887-00-6	
Sulfate	**131**	mg/L	25.0	5		12/14/18 03:01	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		12/05/18 21:14	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		12/05/18 21:14	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/05/18 19:44	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-68 **Lab ID: 7072864008** Collected: 12/04/18 11:20 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**387000**	ug/L	2500	1	12/06/18 07:20	12/06/18 23:07		
Calcium	**155000**	ug/L	1000	1	12/06/18 07:20	12/06/18 23:07	7440-70-2	
Hardness, Magnesium	**116000**	ug/L	4100	1	12/06/18 07:20	12/06/18 23:07		N3
Magnesium	**28200**	ug/L	1000	1	12/06/18 07:20	12/06/18 23:07	7439-95-4	
Potassium	**<5000**	ug/L	5000	1	12/06/18 07:20	12/06/18 23:07	7440-09-7	
Sodium	**149000**	ug/L	5000	1	12/06/18 07:20	12/06/18 23:07	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**503000**	ug/L	4100	1	12/06/18 07:20	12/06/18 23:07		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	630-20-6	L1
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/06/18 14:30	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/06/18 14:30	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/06/18 14:30	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/06/18 14:30	108-10-1	L1
Acetone	**<5.0**	ug/L	5.0	1		12/06/18 14:30	67-64-1	IH
Benzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/06/18 14:30	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/06/18 14:30	75-15-0	CL
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/06/18 14:30	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	75-00-3	

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-68 **Lab ID: 7072864008** Collected: 12/04/18 11:20 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		12/06/18 14:30	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/06/18 14:30	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		12/06/18 14:30	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/06/18 14:30	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 14:30	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		12/06/18 14:30	108-05-4	
Vinyl chloride	**16.6**	ug/L	1.0	1		12/06/18 14:30	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		12/06/18 14:30	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		12/06/18 14:30	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 14:30	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/06/18 14:30	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	1		12/06/18 14:30	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/06/18 14:30	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**249**	mg/L	40.0	20		12/14/18 03:34	16887-00-6	
Sulfate	**<5.0**	mg/L	5.0	1		12/11/18 01:44	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**0.057**	mg/L	0.050	1		12/05/18 21:16	14797-55-8	
Nitrate-Nitrite (as N)	**0.057**	mg/L	0.050	1		12/05/18 21:16	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/05/18 19:46	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-70S **Lab ID: 7072864009** Collected: 12/04/18 12:35 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**505000**	ug/L	2500	1	12/06/18 07:20	12/06/18 23:13		
Calcium	**202000**	ug/L	1000	1	12/06/18 07:20	12/06/18 23:13	7440-70-2	
Hardness, Magnesium	**208000**	ug/L	4100	1	12/06/18 07:20	12/06/18 23:13		N3
Magnesium	**50500**	ug/L	1000	1	12/06/18 07:20	12/06/18 23:13	7439-95-4	
Potassium	**5950**	ug/L	5000	1	12/06/18 07:20	12/06/18 23:13	7440-09-7	
Sodium	**285000**	ug/L	5000	1	12/06/18 07:20	12/06/18 23:13	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**713000**	ug/L	4100	1	12/06/18 07:20	12/06/18 23:13		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	630-20-6	L1
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/06/18 14:48	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/06/18 14:48	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/06/18 14:48	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/06/18 14:48	108-10-1	L1
Acetone	**<5.0**	ug/L	5.0	1		12/06/18 14:48	67-64-1	IH
Benzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/06/18 14:48	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/06/18 14:48	75-15-0	CL
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/06/18 14:48	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-70S **Lab ID: 7072864009** Collected: 12/04/18 12:35 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		12/06/18 14:48	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/06/18 14:48	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		12/06/18 14:48	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/06/18 14:48	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 14:48	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		12/06/18 14:48	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/06/18 14:48	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		12/06/18 14:48	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		12/06/18 14:48	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 14:48	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%	68-153	1		12/06/18 14:48	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124	1		12/06/18 14:48	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/06/18 14:48	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**564**	mg/L	100	50		12/14/18 03:51	16887-00-6	
Sulfate	**32.5**	mg/L	5.0	1		12/11/18 02:00	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		12/05/18 22:51	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		12/05/18 22:51	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/05/18 19:47	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-70D **Lab ID: 7072864010** Collected: 12/04/18 13:00 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**122000**	ug/L	2500	1	12/06/18 07:20	12/06/18 23:18		
Calcium	**48900**	ug/L	1000	1	12/06/18 07:20	12/06/18 23:18	7440-70-2	
Hardness, Magnesium	**47600**	ug/L	4100	1	12/06/18 07:20	12/06/18 23:18		N3
Magnesium	**11600**	ug/L	1000	1	12/06/18 07:20	12/06/18 23:18	7439-95-4	
Potassium	**<5000**	ug/L	5000	1	12/06/18 07:20	12/06/18 23:18	7440-09-7	
Sodium	**28100**	ug/L	5000	1	12/06/18 07:20	12/06/18 23:18	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**170000**	ug/L	4100	1	12/06/18 07:20	12/06/18 23:18		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	630-20-6	L1
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/06/18 15:06	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/06/18 15:06	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/06/18 15:06	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/06/18 15:06	108-10-1	L1
Acetone	**<5.0**	ug/L	5.0	1		12/06/18 15:06	67-64-1	IH
Benzene	**5.3**	ug/L	1.0	1		12/06/18 15:06	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/06/18 15:06	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/06/18 15:06	75-15-0	CL
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/06/18 15:06	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	75-00-3	

Pace Analytical Services, LLC
575 Broad Hollow Road
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ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: MW-70D **Lab ID: 7072864010** Collected: 12/04/18 13:00 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<1.0**	ug/L	1.0	1		12/06/18 15:06	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/06/18 15:06	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		12/06/18 15:06	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/06/18 15:06	75-09-2	
Naphthalene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 15:06	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		12/06/18 15:06	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/06/18 15:06	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		12/06/18 15:06	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		12/06/18 15:06	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 15:06	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/06/18 15:06	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	1		12/06/18 15:06	460-00-4	
Toluene-d8 (S)	96	%	69-124	1		12/06/18 15:06	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**55.4**	mg/L	20.0	10		12/14/18 04:08	16887-00-6	
Sulfate	**<5.0**	mg/L	5.0	1		12/11/18 02:51	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		12/05/18 22:52	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		12/05/18 22:52	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/05/18 19:48	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: DUP X **Lab ID: 7072864011** Collected: 12/04/18 00:00 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Ca Hardness as CaCO3 (SM 2340B	**986000**	ug/L	2500	1	12/06/18 07:20	12/06/18 23:24		
Calcium	**395000**	ug/L	1000	1	12/06/18 07:20	12/06/18 23:24	7440-70-2	
Hardness, Magnesium	**329000**	ug/L	4100	1	12/06/18 07:20	12/06/18 23:24		N3
Magnesium	**80000**	ug/L	1000	1	12/06/18 07:20	12/06/18 23:24	7439-95-4	
Potassium	**6820**	ug/L	5000	1	12/06/18 07:20	12/06/18 23:24	7440-09-7	
Sodium	**594000**	ug/L	5000	1	12/06/18 07:20	12/06/18 23:24	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**1310000**	ug/L	4100	1	12/06/18 07:20	12/06/18 23:24		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	630-20-6	L1
1,1,1-Trichloroethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	71-55-6	
1,1,2,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	79-34-5	
1,1,2-Trichloroethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	79-00-5	
1,1-Dichloroethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	75-34-3	
1,1-Dichloroethene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	75-35-4	
1,1-Dichloropropene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	563-58-6	
1,2,3-Trichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	87-61-6	
1,2,3-Trichloropropane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	96-18-4	
1,2,4-Trichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	120-82-1	
1,2,4-Trimethylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	95-63-6	
1,2-Dibromo-3-chloropropane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	96-12-8	
1,2-Dibromoethane (EDB)	**<10.0**	ug/L	10.0	10		12/06/18 15:24	106-93-4	
1,2-Dichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	95-50-1	
1,2-Dichloroethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	107-06-2	
1,2-Dichloropropane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	78-87-5	
1,3,5-Trimethylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	108-67-8	
1,3-Dichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	541-73-1	
1,3-Dichloropropane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	142-28-9	
1,4-Dichlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	106-46-7	
2,2-Dichloropropane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	594-20-7	
2-Butanone (MEK)	**<50.0**	ug/L	50.0	10		12/06/18 15:24	78-93-3	
2-Chlorotoluene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	95-49-8	
2-Hexanone	**<50.0**	ug/L	50.0	10		12/06/18 15:24	591-78-6	
4-Chlorotoluene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<50.0**	ug/L	50.0	10		12/06/18 15:24	108-10-1	L1
Acetone	**<50.0**	ug/L	50.0	10		12/06/18 15:24	67-64-1	
Benzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	71-43-2	
Bromobenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	108-86-1	L1
Bromochloromethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	74-97-5	
Bromodichloromethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	75-27-4	
Bromoform	**<10.0**	ug/L	10.0	10		12/06/18 15:24	75-25-2	
Bromomethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	74-83-9	
Carbon disulfide	**<10.0**	ug/L	10.0	10		12/06/18 15:24	75-15-0	CL
Carbon tetrachloride	**<10.0**	ug/L	10.0	10		12/06/18 15:24	56-23-5	
Chlorobenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	108-90-7	
Chloroethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	75-00-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: DUP X **Lab ID: 7072864011** Collected: 12/04/18 00:00 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Chloroform	**<10.0**	ug/L	10.0	10		12/06/18 15:24	67-66-3	
Chloromethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	74-87-3	
Dibromochloromethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	124-48-1	
Dibromomethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	74-95-3	
Dichlorodifluoromethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	75-71-8	
Ethylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	100-41-4	
Hexachloro-1,3-butadiene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	87-68-3	
Isopropylbenzene (Cumene)	**<10.0**	ug/L	10.0	10		12/06/18 15:24	98-82-8	
Methyl-tert-butyl ether	**<10.0**	ug/L	10.0	10		12/06/18 15:24	1634-04-4	
Methylene Chloride	**<10.0**	ug/L	10.0	10		12/06/18 15:24	75-09-2	
Naphthalene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	91-20-3	
Styrene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	100-42-5	
Tetrachloroethene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	127-18-4	
Toluene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	108-88-3	
Trichloroethene	**379**	ug/L	10.0	10		12/06/18 15:24	79-01-6	
Trichlorofluoromethane	**<10.0**	ug/L	10.0	10		12/06/18 15:24	75-69-4	
Vinyl acetate	**<10.0**	ug/L	10.0	10		12/06/18 15:24	108-05-4	
Vinyl chloride	**124**	ug/L	10.0	10		12/06/18 15:24	75-01-4	
Xylene (Total)	**<30.0**	ug/L	30.0	10		12/06/18 15:24	1330-20-7	
cis-1,2-Dichloroethene	**1550**	ug/L	10.0	10		12/06/18 15:24	156-59-2	
cis-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	10061-01-5	
m&p-Xylene	**<20.0**	ug/L	20.0	10		12/06/18 15:24	179601-23-1	
n-Butylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	104-51-8	
n-Propylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	103-65-1	
o-Xylene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	95-47-6	
p-Isopropyltoluene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	99-87-6	L1
sec-Butylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	135-98-8	
tert-Butylbenzene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	98-06-6	L1
trans-1,2-Dichloroethene	**33.7**	ug/L	10.0	10		12/06/18 15:24	156-60-5	
trans-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		12/06/18 15:24	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	10		12/06/18 15:24	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	10		12/06/18 15:24	460-00-4	
Toluene-d8 (S)	98	%	69-124	10		12/06/18 15:24	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**924**	mg/L	100	50		12/14/18 13:20	16887-00-6	
Sulfate	**486**	mg/L	50.0	10		12/14/18 04:24	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	**<0.050**	mg/L	0.050	1		12/05/18 22:53	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		12/05/18 22:53	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		12/05/18 19:49	14797-65-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: TRIP BLANK **Lab ID: 7072864012** Collected: 12/04/18 00:00 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	630-20-6	L1
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/06/18 12:05	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	594-20-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/06/18 12:05	78-93-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	95-49-8	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/06/18 12:05	591-78-6	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/06/18 12:05	108-10-1	L1
Acetone	**<5.0**	ug/L	5.0	1		12/06/18 12:05	67-64-1	IH
Benzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	108-86-1	L1
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/06/18 12:05	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/06/18 12:05	75-15-0	CL
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/06/18 12:05	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/06/18 12:05	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/06/18 12:05	98-82-8	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		12/06/18 12:05	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/06/18 12:05	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Sample: TRIP BLANK **Lab ID: 7072864012** Collected: 12/04/18 00:00 Received: 12/05/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Naphthalene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	91-20-3	
Styrene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/06/18 12:05	75-69-4	
Vinyl acetate	**<1.0**	ug/L	1.0	1		12/06/18 12:05	108-05-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/06/18 12:05	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		12/06/18 12:05	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	10061-01-5	
m&p-Xylene	**<2.0**	ug/L	2.0	1		12/06/18 12:05	179601-23-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	103-65-1	
o-Xylene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	99-87-6	L1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	98-06-6	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/06/18 12:05	10061-02-6	L1
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	68-153	1		12/06/18 12:05	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		12/06/18 12:05	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		12/06/18 12:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

QC Batch: 93774 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7072864001, 7072864002, 7072864003, 7072864004, 7072864005, 7072864006, 7072864007, 7072864008, 7072864009, 7072864010, 7072864011

METHOD BLANK: 433196 Matrix: Water
Associated Lab Samples: 7072864001, 7072864002, 7072864003, 7072864004, 7072864005, 7072864006, 7072864007, 7072864008, 7072864009, 7072864010, 7072864011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	<2500	2500	12/06/18 20:53	
Calcium	ug/L	<1000	1000	12/06/18 20:53	
Hardness, Magnesium	ug/L	<4100	4100	12/06/18 20:53	N3
Magnesium	ug/L	<1000	1000	12/06/18 20:53	
Potassium	ug/L	<5000	5000	12/06/18 20:53	
Sodium	ug/L	<5000	5000	12/06/18 20:53	
Tot Hardness asCaCO3 (SM 2340B	ug/L	<4100	4100	12/06/18 20:53	

LABORATORY CONTROL SAMPLE: 433197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L		62700			
Calcium	ug/L	25000	25100	101	85-115	
Hardness, Magnesium	ug/L		101000			N3
Magnesium	ug/L	25000	24500	98	85-115	
Potassium	ug/L	50000	48700	97	85-115	
Sodium	ug/L	50000	50200	100	85-115	
Tot Hardness asCaCO3 (SM 2340B	ug/L		164000			

MATRIX SPIKE SAMPLE: 433199

Parameter	Units	7072799001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	277000		327000			
Calcium	ug/L	111000	25000	131000	80	70-130	
Hardness, Magnesium	ug/L	74300		170000			N3
Magnesium	ug/L	18000	25000	41200	93	70-130	
Potassium	ug/L	16600	50000	62500	92	70-130	
Sodium	ug/L	88200	50000	135000	94	70-130	
Tot Hardness asCaCO3 (SM 2340B	ug/L	351000		497000			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

MATRIX SPIKE SAMPLE: 433201

Parameter	Units	7072864006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	844000		942000			
Calcium	ug/L	338000	25000	377000	157	70-130	M1
Hardness, Magnesium	ug/L	283000		395000			N3
Magnesium	ug/L	68800	25000	95800	108	70-130	
Potassium	ug/L	9280	50000	56500	94	70-130	
Sodium	ug/L	584000	50000	638000	108	70-130	
Tot Hardness asCaCO3 (SM 2340B	ug/L	1130000		1340000			

SAMPLE DUPLICATE: 433198

Parameter	Units	7072799001 Result	Dup Result	RPD	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	277000	264000	5	
Calcium	ug/L	111000	106000	5	
Hardness, Magnesium	ug/L	74300	70900	5	N3
Magnesium	ug/L	18000	17200	5	
Potassium	ug/L	16600	16100	3	
Sodium	ug/L	88200	84600	4	
Tot Hardness asCaCO3 (SM 2340B	ug/L	351000	335000	5	

SAMPLE DUPLICATE: 433200

Parameter	Units	7072864006 Result	Dup Result	RPD	Qualifiers
Ca Hardness as CaCO3 (SM 2340B	ug/L	844000	857000	2	
Calcium	ug/L	338000	343000	2	
Hardness, Magnesium	ug/L	283000	288000	2	N3
Magnesium	ug/L	68800	70000	2	
Potassium	ug/L	9280	9360	1	
Sodium	ug/L	584000	581000	1	
Tot Hardness asCaCO3 (SM 2340B	ug/L	1130000	1150000	2	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

QC Batch: 93790 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7072864001, 7072864002, 7072864003, 7072864004, 7072864005, 7072864006, 7072864007, 7072864008, 7072864009, 7072864010, 7072864011, 7072864012

METHOD BLANK: 433278 Matrix: Water
Associated Lab Samples: 7072864001, 7072864002, 7072864003, 7072864004, 7072864005, 7072864006, 7072864007, 7072864008, 7072864009, 7072864010, 7072864011, 7072864012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	12/06/18 09:00	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/06/18 09:00	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/06/18 09:00	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/06/18 09:00	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/06/18 09:00	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/06/18 09:00	
1,1-Dichloropropene	ug/L	<1.0	1.0	12/06/18 09:00	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	12/06/18 09:00	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	12/06/18 09:00	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	12/06/18 09:00	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	12/06/18 09:00	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	12/06/18 09:00	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	12/06/18 09:00	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	12/06/18 09:00	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/06/18 09:00	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/06/18 09:00	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	12/06/18 09:00	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	12/06/18 09:00	
1,3-Dichloropropane	ug/L	<1.0	1.0	12/06/18 09:00	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	12/06/18 09:00	
2,2-Dichloropropane	ug/L	<1.0	1.0	12/06/18 09:00	
2-Butanone (MEK)	ug/L	<5.0	5.0	12/06/18 09:00	
2-Chlorotoluene	ug/L	<1.0	1.0	12/06/18 09:00	
2-Hexanone	ug/L	<5.0	5.0	12/06/18 09:00	
4-Chlorotoluene	ug/L	<1.0	1.0	12/06/18 09:00	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	12/06/18 09:00	
Acetone	ug/L	<5.0	5.0	12/06/18 09:00	
Benzene	ug/L	<1.0	1.0	12/06/18 09:00	
Bromobenzene	ug/L	<1.0	1.0	12/06/18 09:00	
Bromochloromethane	ug/L	<1.0	1.0	12/06/18 09:00	
Bromodichloromethane	ug/L	<1.0	1.0	12/06/18 09:00	
Bromoform	ug/L	<1.0	1.0	12/06/18 09:00	
Bromomethane	ug/L	<1.0	1.0	12/06/18 09:00	
Carbon disulfide	ug/L	<1.0	1.0	12/06/18 09:00	CL
Carbon tetrachloride	ug/L	<1.0	1.0	12/06/18 09:00	
Chlorobenzene	ug/L	<1.0	1.0	12/06/18 09:00	
Chloroethane	ug/L	<1.0	1.0	12/06/18 09:00	
Chloroform	ug/L	<1.0	1.0	12/06/18 09:00	
Chloromethane	ug/L	<1.0	1.0	12/06/18 09:00	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/06/18 09:00	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

METHOD BLANK: 433278 Matrix: Water

Associated Lab Samples: 7072864001, 7072864002, 7072864003, 7072864004, 7072864005, 7072864006, 7072864007, 7072864008, 7072864009, 7072864010, 7072864011, 7072864012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/06/18 09:00	
Dibromochloromethane	ug/L	<1.0	1.0	12/06/18 09:00	
Dibromomethane	ug/L	<1.0	1.0	12/06/18 09:00	
Dichlorodifluoromethane	ug/L	<1.0	1.0	12/06/18 09:00	
Ethylbenzene	ug/L	<1.0	1.0	12/06/18 09:00	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	12/06/18 09:00	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	12/06/18 09:00	
m&p-Xylene	ug/L	<2.0	2.0	12/06/18 09:00	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	12/06/18 09:00	
Methylene Chloride	ug/L	<1.0	1.0	12/06/18 09:00	
n-Butylbenzene	ug/L	<1.0	1.0	12/06/18 09:00	
n-Propylbenzene	ug/L	<1.0	1.0	12/06/18 09:00	
Naphthalene	ug/L	<1.0	1.0	12/06/18 09:00	
o-Xylene	ug/L	<1.0	1.0	12/06/18 09:00	
p-Isopropyltoluene	ug/L	<1.0	1.0	12/06/18 09:00	
sec-Butylbenzene	ug/L	<1.0	1.0	12/06/18 09:00	
Styrene	ug/L	<1.0	1.0	12/06/18 09:00	
tert-Butylbenzene	ug/L	<1.0	1.0	12/06/18 09:00	
Tetrachloroethene	ug/L	<1.0	1.0	12/06/18 09:00	
Toluene	ug/L	<1.0	1.0	12/06/18 09:00	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	12/06/18 09:00	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/06/18 09:00	
Trichloroethene	ug/L	<1.0	1.0	12/06/18 09:00	
Trichlorofluoromethane	ug/L	<1.0	1.0	12/06/18 09:00	
Vinyl acetate	ug/L	<1.0	1.0	12/06/18 09:00	
Vinyl chloride	ug/L	<1.0	1.0	12/06/18 09:00	
Xylene (Total)	ug/L	<3.0	3.0	12/06/18 09:00	
1,2-Dichloroethane-d4 (S)	%	111	68-153	12/06/18 09:00	
4-Bromofluorobenzene (S)	%	95	79-124	12/06/18 09:00	
Toluene-d8 (S)	%	97	69-124	12/06/18 09:00	

LABORATORY CONTROL SAMPLE: 433279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	59.7	119	74-113	CH,L1
1,1,1-Trichloroethane	ug/L	50	56.0	112	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	45.2	90	74-121	
1,1,2-Trichloroethane	ug/L	50	51.7	103	80-117	
1,1-Dichloroethane	ug/L	50	51.0	102	83-151	
1,1-Dichloroethene	ug/L	50	41.6	83	45-146	
1,1-Dichloropropene	ug/L	50	52.2	104	59-127	
1,2,3-Trichlorobenzene	ug/L	50	49.2	98	67-103	
1,2,3-Trichloropropane	ug/L	50	48.8	98	71-123	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

LABORATORY CONTROL SAMPLE: 433279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	53.5	107	66-116	
1,2,4-Trimethylbenzene	ug/L	50	48.3	97	68-116	
1,2-Dibromo-3-chloropropane	ug/L	50	46.1	92	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	54.2	108	83-115	
1,2-Dichlorobenzene	ug/L	50	50.3	101	74-113	
1,2-Dichloroethane	ug/L	50	54.5	109	74-129	
1,2-Dichloropropane	ug/L	50	58.1	116	75-117	
1,3,5-Trimethylbenzene	ug/L	50	47.3	95	67-116	
1,3-Dichlorobenzene	ug/L	50	50.8	102	71-112	
1,3-Dichloropropane	ug/L	50	52.5	105	74-112	
1,4-Dichlorobenzene	ug/L	50	50.2	100	71-113	
2,2-Dichloropropane	ug/L	50	49.7	99	63-133	
2-Butanone (MEK)	ug/L	50	49.5	99	44-162	
2-Chlorotoluene	ug/L	50	47.4	95	74-101	
2-Hexanone	ug/L	50	66.0	132	32-183	CH
4-Chlorotoluene	ug/L	50	47.2	94	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	82.2	164	69-132	CH,L1
Acetone	ug/L	50	45.9	92	23-188	IH
Benzene	ug/L	50	50.8	102	73-119	
Bromobenzene	ug/L	50	54.4	109	72-102	L1
Bromochloromethane	ug/L	50	49.7	99	81-116	
Bromodichloromethane	ug/L	50	54.9	110	78-117	
Bromoform	ug/L	50	61.2	122	65-122	
Bromomethane	ug/L	50	27.1	54	52-147	
Carbon disulfide	ug/L	50	36.4	73	41-144	CL
Carbon tetrachloride	ug/L	50	59.5	119	59-120	CH
Chlorobenzene	ug/L	50	53.4	107	75-113	
Chloroethane	ug/L	50	45.1	90	49-151	
Chloroform	ug/L	50	48.4	97	72-122	
Chloromethane	ug/L	50	57.8	116	46-144	
cis-1,2-Dichloroethene	ug/L	50	44.0	88	72-121	
cis-1,3-Dichloropropene	ug/L	50	55.5	111	78-116	
Dibromochloromethane	ug/L	50	59.4	119	70-120	
Dibromomethane	ug/L	50	52.5	105	75-125	
Dichlorodifluoromethane	ug/L	50	38.7	77	22-154	
Ethylbenzene	ug/L	50	51.3	103	70-113	
Hexachloro-1,3-butadiene	ug/L	50	58.2	116	59-121	CH
Isopropylbenzene (Cumene)	ug/L	50	47.6	95	67-115	
m&p-Xylene	ug/L	100	105	105	72-115	
Methyl-tert-butyl ether	ug/L	50	47.9	96	72-131	
Methylene Chloride	ug/L	50	41.5	83	61-142	
n-Butylbenzene	ug/L	50	49.9	100	73-107	
n-Propylbenzene	ug/L	50	46.9	94	68-116	
Naphthalene	ug/L	50	47.9	96	70-118	
o-Xylene	ug/L	50	52.3	105	73-117	
p-Isopropyltoluene	ug/L	50	52.5	105	73-101	L1
sec-Butylbenzene	ug/L	50	48.0	96	72-103	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

LABORATORY CONTROL SAMPLE: 433279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/L	50	53.1	106	72-118	
tert-Butylbenzene	ug/L	50	50.9	102	68-100	L1
Tetrachloroethene	ug/L	50	57.7	115	60-128	CH
Toluene	ug/L	50	50.4	101	72-119	
trans-1,2-Dichloroethene	ug/L	50	42.3	85	56-142	
trans-1,3-Dichloropropene	ug/L	50	59.8	120	79-116	L1
Trichloroethene	ug/L	50	51.1	102	69-117	
Trichlorofluoromethane	ug/L	50	46.4	93	27-173	
Vinyl acetate	ug/L	50	68.1	136	20-158	CH
Vinyl chloride	ug/L	50	45.3	91	43-143	
Xylene (Total)	ug/L	150	157	105	71-109	
1,2-Dichloroethane-d4 (S)	%			113	68-153	
4-Bromofluorobenzene (S)	%			100	79-124	
Toluene-d8 (S)	%			98	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 433409 433410

Parameter	Units	7072864006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	50	56.0	54.2	112	108	74-113	3	CH
1,1,1-Trichloroethane	ug/L	<1.0	50	50	55.4	54.3	111	109	65-118	2	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	42.2	41.2	84	82	74-121	2	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	47.6	45.5	95	91	80-117	4	
1,1-Dichloroethane	ug/L	<1.0	50	50	49.8	48.7	100	97	83-151	2	
1,1-Dichloroethene	ug/L	1.1	50	50	42.6	41.1	83	80	45-146	3	
1,1-Dichloropropene	ug/L	<1.0	50	50	52.7	50.9	105	102	59-127	3	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	45.1	50.5	90	101	67-103	11	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	44.8	44.5	90	89	71-123	1	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	48.9	50.7	98	101	66-116	4	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50	45.3	44.7	91	89	68-116	1	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	42.8	44.2	86	88	74-119	3	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	51.9	50.2	104	100	83-115	3	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	47.2	46.7	94	93	74-113	1	
1,2-Dichloroethane	ug/L	<1.0	50	50	51.9	50.2	104	100	74-129	3	
1,2-Dichloropropane	ug/L	<1.0	50	50	55.2	53.6	110	107	75-117	3	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50	45.2	44.4	90	89	67-116	2	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	47.4	46.8	95	94	71-112	1	
1,3-Dichloropropane	ug/L	<1.0	50	50	48.7	46.5	97	93	74-112	5	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	47.4	46.0	95	92	71-113	3	
2,2-Dichloropropane	ug/L	<1.0	50	50	46.3	46.0	93	92	63-133	1	
2-Butanone (MEK)	ug/L	<5.0	50	50	48.1	48.5	96	97	44-162	1	
2-Chlorotoluene	ug/L	<1.0	50	50	45.4	44.4	91	89	74-101	2	
2-Hexanone	ug/L	<5.0	50	50	61.7	60.8	123	122	32-183	1	CH
4-Chlorotoluene	ug/L	<1.0	50	50	44.9	43.8	90	88	74-101	2	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	77.4	76.7	155	153	69-132	1	CH,M0

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 433409 433410

Parameter	Units	7072864006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Acetone	ug/L	<5.0	50	50	44.0	46.1	82	86	23-188	5	IH
Benzene	ug/L	<1.0	50	50	50.2	48.4	100	97	73-119	4	
Bromobenzene	ug/L	<1.0	50	50	50.3	49.2	101	98	72-102	2	
Bromochloromethane	ug/L	<1.0	50	50	46.9	46.4	94	93	81-116	1	
Bromodichloromethane	ug/L	<1.0	50	50	52.8	50.9	106	102	78-117	4	
Bromoform	ug/L	<1.0	50	50	57.6	55.8	115	112	65-122	3	
Bromomethane	ug/L	<1.0	50	50	38.3	37.9	77	76	52-147	1	
Carbon disulfide	ug/L	<1.0	50	50	37.4	36.4	75	73	41-144	3	CL
Carbon tetrachloride	ug/L	<1.0	50	50	60.0	58.7	120	117	59-120	2	CH
Chlorobenzene	ug/L	<1.0	50	50	50.9	48.9	102	98	75-113	4	
Chloroethane	ug/L	<1.0	50	50	44.7	42.6	89	85	49-151	5	
Chloroform	ug/L	<1.0	50	50	47.4	45.3	95	91	72-122	5	
Chloromethane	ug/L	<1.0	50	50	55.5	53.6	111	107	46-144	4	
cis-1,2-Dichloroethene	ug/L	283	50	50	284	288	3	10	72-121	1	E,M1
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	52.2	51.4	104	103	78-116	2	
Dibromochloromethane	ug/L	<1.0	50	50	56.6	53.6	113	107	70-120	5	
Dibromomethane	ug/L	<1.0	50	50	50.6	48.7	101	97	75-125	4	
Dichlorodifluoromethane	ug/L	<1.0	50	50	36.3	33.8	73	68	22-154	7	
Ethylbenzene	ug/L	<1.0	50	50	49.1	47.8	98	96	70-113	3	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	54.1	54.8	108	110	59-121	1	CH
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	46.3	45.1	93	90	67-115	2	
m&p-Xylene	ug/L	<2.0	100	100	102	97.8	102	98	72-115	4	
Methyl-tert-butyl ether	ug/L	<1.0	50	50	43.0	43.4	86	87	72-131	1	
Methylene Chloride	ug/L	<1.0	50	50	39.3	38.4	79	77	61-142	2	
n-Butylbenzene	ug/L	<1.0	50	50	48.4	47.0	97	94	73-107	3	
n-Propylbenzene	ug/L	<1.0	50	50	45.8	44.7	92	89	68-116	2	
Naphthalene	ug/L	<1.0	50	50	43.7	47.4	87	95	70-118	8	
o-Xylene	ug/L	<1.0	50	50	50.1	48.0	100	96	73-117	4	
p-Isopropyltoluene	ug/L	<1.0	50	50	50.6	49.7	101	99	73-101	2	
sec-Butylbenzene	ug/L	<1.0	50	50	47.1	45.7	94	91	72-103	3	
Styrene	ug/L	<1.0	50	50	50.1	48.5	100	97	72-118	3	
tert-Butylbenzene	ug/L	<1.0	50	50	48.9	48.0	98	96	68-100	2	
Tetrachloroethene	ug/L	296	50	50	315	311	37	30	60-128	1	CH,E,M1
Toluene	ug/L	<1.0	50	50	50.0	47.9	100	96	72-119	4	
trans-1,2-Dichloroethene	ug/L	1.4	50	50	43.2	42.4	84	82	56-142	2	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	55.4	53.0	111	106	79-116	4	
Trichloroethene	ug/L	140	50	50	198	198	117	116	69-117	0	
Trichlorofluoromethane	ug/L	<1.0	50	50	47.5	46.1	95	92	27-173	3	
Vinyl acetate	ug/L	<1.0	50	50	62.1	62.2	124	124	20-158	0	CH
Vinyl chloride	ug/L	22.3	50	50	69.1	66.4	94	88	43-143	4	
Xylene (Total)	ug/L	<3.0	150	150	152	146	101	97	71-109	4	
1,2-Dichloroethane-d4 (S)	%						111	113	68-153		
4-Bromofluorobenzene (S)	%						102	102	79-124		
Toluene-d8 (S)	%						97	96	69-124		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

QC Batch: 94259 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 7072864001, 7072864002, 7072864003, 7072864004, 7072864005, 7072864006, 7072864007, 7072864008, 7072864009, 7072864010, 7072864011

METHOD BLANK: 435792 Matrix: Water
Associated Lab Samples: 7072864001, 7072864002, 7072864003, 7072864004, 7072864005, 7072864006, 7072864007, 7072864008, 7072864009, 7072864010, 7072864011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<10.0	10.0	12/10/18 22:06	
Sulfate	mg/L	<25.0	25.0	12/10/18 22:06	

LABORATORY CONTROL SAMPLE: 435793

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.8	108	90-110	
Sulfate	mg/L	10	9.8	98	90-110	

MATRIX SPIKE SAMPLE: 435794

Parameter	Units	7072864006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1250	1000	2320	106	80-120	
Sulfate	mg/L	307	100	401	94	80-120	

SAMPLE DUPLICATE: 435795

Parameter	Units	7072864006 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	1250	1270	2	
Sulfate	mg/L	307	307	0	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

QC Batch: 93750 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7072864001, 7072864002, 7072864003, 7072864004, 7072864005, 7072864006, 7072864007, 7072864008, 7072864009, 7072864010, 7072864011

METHOD BLANK: 432988 Matrix: Water
Associated Lab Samples: 7072864001, 7072864002, 7072864003, 7072864004, 7072864005, 7072864006, 7072864007, 7072864008, 7072864009, 7072864010, 7072864011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	12/05/18 19:28	

LABORATORY CONTROL SAMPLE: 432989

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	100	90-110	

MATRIX SPIKE SAMPLE: 432990

Parameter	Units	7072864006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.54	108	90-110	

MATRIX SPIKE SAMPLE: 432992

Parameter	Units	7072864001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.56	111	90-110	M1

SAMPLE DUPLICATE: 432991

Parameter	Units	7072864006 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 432993

Parameter	Units	7072864001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

QC Batch: 93756 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate, Unpres.
Associated Lab Samples: 7072864001, 7072864002, 7072864003, 7072864004, 7072864005, 7072864006, 7072864007, 7072864008, 7072864009, 7072864010, 7072864011

METHOD BLANK: 433131 Matrix: Water
Associated Lab Samples: 7072864001, 7072864002, 7072864003, 7072864004, 7072864005, 7072864006, 7072864007, 7072864008, 7072864009, 7072864010, 7072864011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	12/05/18 21:02	

LABORATORY CONTROL SAMPLE: 433132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 433133

Parameter	Units	7072864006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.49	91	90-110	

MATRIX SPIKE SAMPLE: 433135

Parameter	Units	7072928001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.22	0.5	0.74	105	90-110	

SAMPLE DUPLICATE: 433134

Parameter	Units	7072864006 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 433136

Parameter	Units	7072928001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.22	0.22	0	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 7072864001
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7072864002
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7072864003
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7072864004
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7072864005
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7072864006
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7072864007
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7072864008
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7072864009
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

SAMPLE QUALIFIERS

Sample: 7072864010
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7072864011
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 7072864012
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 433278
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 433279
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 433409
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.
Sample: 433410
[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7072864001	**MW-19**	EPA 200.7	93774	EPA 200.7	93786
7072864002	**MW-46**	EPA 200.7	93774	EPA 200.7	93786
7072864003	**MW-62**	EPA 200.7	93774	EPA 200.7	93786
7072864004	**MW-64S**	EPA 200.7	93774	EPA 200.7	93786
7072864005	**MW-64D**	EPA 200.7	93774	EPA 200.7	93786
7072864006	**MW-65(MS/MSD)**	EPA 200.7	93774	EPA 200.7	93786
7072864007	**MW-67**	EPA 200.7	93774	EPA 200.7	93786
7072864008	**MW-68**	EPA 200.7	93774	EPA 200.7	93786
7072864009	**MW-70S**	EPA 200.7	93774	EPA 200.7	93786
7072864010	**MW-70D**	EPA 200.7	93774	EPA 200.7	93786
7072864011	**DUP X**	EPA 200.7	93774	EPA 200.7	93786
7072864001	**MW-19**	EPA 8260C/5030C	93790		
7072864002	**MW-46**	EPA 8260C/5030C	93790		
7072864003	**MW-62**	EPA 8260C/5030C	93790		
7072864004	**MW-64S**	EPA 8260C/5030C	93790		
7072864005	**MW-64D**	EPA 8260C/5030C	93790		
7072864006	**MW-65(MS/MSD)**	EPA 8260C/5030C	93790		
7072864007	**MW-67**	EPA 8260C/5030C	93790		
7072864008	**MW-68**	EPA 8260C/5030C	93790		
7072864009	**MW-70S**	EPA 8260C/5030C	93790		
7072864010	**MW-70D**	EPA 8260C/5030C	93790		
7072864011	**DUP X**	EPA 8260C/5030C	93790		
7072864012	**TRIP BLANK**	EPA 8260C/5030C	93790		
7072864001	**MW-19**	EPA 300.0	94259		
7072864002	**MW-46**	EPA 300.0	94259		
7072864003	**MW-62**	EPA 300.0	94259		
7072864004	**MW-64S**	EPA 300.0	94259		
7072864005	**MW-64D**	EPA 300.0	94259		
7072864006	**MW-65(MS/MSD)**	EPA 300.0	94259		
7072864007	**MW-67**	EPA 300.0	94259		
7072864008	**MW-68**	EPA 300.0	94259		
7072864009	**MW-70S**	EPA 300.0	94259		
7072864010	**MW-70D**	EPA 300.0	94259		
7072864011	**DUP X**	EPA 300.0	94259		
7072864001	**MW-19**	EPA 353.2	93756		
7072864002	**MW-46**	EPA 353.2	93756		
7072864003	**MW-62**	EPA 353.2	93756		
7072864004	**MW-64S**	EPA 353.2	93756		
7072864005	**MW-64D**	EPA 353.2	93756		
7072864006	**MW-65(MS/MSD)**	EPA 353.2	93756		
7072864007	**MW-67**	EPA 353.2	93756		
7072864008	**MW-68**	EPA 353.2	93756		
7072864009	**MW-70S**	EPA 353.2	93756		
7072864010	**MW-70D**	EPA 353.2	93756		
7072864011	**DUP X**	EPA 353.2	93756		
7072864001	**MW-19**	EPA 353.2	93750		
7072864002	**MW-46**	EPA 353.2	93750		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7072864003	**MW-62**	EPA 353.2	93750		
7072864004	**MW-64S**	EPA 353.2	93750		
7072864005	**MW-64D**	EPA 353.2	93750		
7072864006	**MW-65(MS/MSD)**	EPA 353.2	93750		
7072864007	**MW-67**	EPA 353.2	93750		
7072864008	**MW-68**	EPA 353.2	93750		
7072864009	**MW-70S**	EPA 353.2	93750		
7072864010	**MW-70D**	EPA 353.2	93750		
7072864011	**DUP X**	EPA 353.2	93750		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT- Complete all relevant fields

WO#:7072864

7072864

...rkorder Number or MTJL Log-

...S USE ONLY

Company: BARTON & LOGUIDICE	Billing Information:	
Address: 10 AIRLINE DR. SUITE 200 ALBANY, NY 12205		
Report To: ANDY BARBER	Email To: CSTEINMULLER@BARTONANDLOGUIDICE.COM	
Copy To: CORINNE STEINMULLER	Site Collection Info/Address: SCHENECTADY, NY 12308	
Customer Project Name/Number: ALCO DISCHARGE (Q4)	State NY County/City SCHENECTADY Time Zone Collected EST	
Phone: (518)218-1801 Email: CSTEINMULLER@BARTONANDLOGUIDICE.COM	Site/Facility ID #: ALCO	Compliance Monitoring? [ ] Yes [ ] No
C. STEINMULLER	Purchase Order #: 1368-001.001	DW PWS ID #:
Collected by (signature):	Quote #	DW Location Code #:
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive [ ] Hold	Turnaround Date Required: 2 WEEK	Immediately Packed on Ice? [X] Yes [ ] No
	RUSH: Same Day Next Day 2 Day 3 Day 4 Day 5 Day (Expedite Charges Apply)	Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **: 3 | U | 1

Lab Project Manager: JOHN.STANTON@PACELABS.COM

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix*	Comp/ Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOC 8260	SULFATE	CHLORIDE	NITRATE	TOTAL HARDNESS	MS/MSD
MW-19	WW	G	12/4/18	1200	***	***		5	X	X	X	X	X	
MW-46	WW	G		1220	***	***		5	X	X	X	X	X	
MW-62	WW	G		1015	***	***		5	X	X	X	X	X	
MW-64S	WW	G		927	***	***		5	X	X	X	X	X	
MW-64D	WW	G		946	***	***		5	X	X	X	X	X	
MW-65 (MS/MSD)	WW	G		848	***	***		11	X	X	X	X	X	X
MW-67	WW	G		1100	***	***		5	X	X	X	X	X	
MW-68	WW	G		1120	***	***		5	X	X	X	X	X	
MW-70S	WW	G		1235	***	***		5	X	X	X	X	X	
MW-70D	WW	G		1300	***	***		5	X	X	X	X	X	
DUP X	WW	G		—	***	***		5	X	X	X	X	X	
TRIP BLANK	TB	G		—	***	***		2	X	X	X	X	X	

LAB Profile/Line:

LAB Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples received on ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in holding time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips: HC857466			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

↓ LAB USE ONLY: ↓

Customer Remarks/ Special Conditions/ Possible Hazards:

Type of Ice Used: Wet [ ] Blue [ ] Dry [ ] None [ ]

SHORT HOLDS PRESENT (< 72 hours): Y N N/A

Packing Material Used: Ziplock

LAB Tracking #: 44148129 9647

Samples received via: FEDEX [ ] UPS [ ] Client [ ] Courier [ ] Pace Courier [ ]

MTJL LAB USE ONLY

Table #:

ACCT #:

Template:

Prelogin:

PM:

PB:

LAB Sample Temperature Info:

Temp Blank received: Y N NA

Therm ID #: TH091

Cooler 1 Temp Upon Receipt 0.2 oC

Cooler 1 Therm Corr. Factor 0.0 oC

Cooler 1 Corrected Temp 0.2 oC

Comments:

Trip Blank Received: Y N N/A

HCL MeOH TSP Other

NonConformance(s): YES / NO

Page 1 of 1

Relinquished by/Company : (Signature)	Date/Time:	Received by/Company : (Signature)	Date/Time:
	12/4/18 - 1310	PACE	12/4/18 1310
PACE	12/4/18 1600	via Fedex 3	
FedEx		Pace	12/5/18 10:30

Page 41 of 41

4/4/14 8129 9647

F-ALL-C-010-rev.00, 05Jul2018

ATTACHMENT D
Site Annual Inspection Form

SITE MANAGEMENT PLAN
ANNUAL SITE-WIDE INSPECTION

Site Name: ALCO - Maxon Site - Parcel A
Site No.: C447042
Site Address: 301 Nott Street, Schenectady NY 12305
Owner: Maxon ALCO Holdings, LLC
Owner Address: 220 Harborside Dr, Ste 300
Schenectady, NY 12305

Date: 4/3/19
Inspected By: Corinne Steinmuller
Inspector's Signature:
Inspector's Address: 10 Airline Dr.
Albany, NY 12205

Site Management Plan (SMP) Compliance	YES	NO	N/A	COMMENTS
Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		X		
Has the Environmental Easement been upheld?	X			
Have site-use restrictions been upheld (restricted-residential)?	X			
Has the groundwater use restriction been upheld?	X			
Has all intrusive work been conducted in accordance with the SMP?			X	No intrusive work has occurred
Was the Excavation Work Plan followed?			X	
Was the Community Air Monitoring Plan followed?			X	
Are all records related to the site maintained and up-to-date?	X			
Has the soil cap been maintained?	X			
Document the general site conditions, including any evidence of soil erosion, ponding, and settlement in the soil soil cover, at the time of the site inspection:	All areas of soil cap and asphalt cover are in good condition. Minor rutting has occurred due to vehicle traffic but is slated for repair.			

ATTACHMENT E
Cover System Photos

Photo 1. Parcel A – April 3, 2019 Cover Inspection. Minor rutting near Landings Hotel, to be restored.

Photo 2. Parcel A – April 3, 2019 Cover Inspection

Photo 3. Parcel A – April 3, 2019 Cover Inspection

Photo 4. Parcel A – Parcel A – April 3, 2019 Cover Inspection

Photo 5. Parcel A – April 3, 2019 Cover Inspection

Photo 6. Parcel A – April 3, 2019 Cover Inspection

Photo 7. Parcel A – April 3, 2019 Cover Inspection

ATTACHMENT F
Cover Map

PROPOSED LEGEND
PROPOSED CONTOURS
PROPOSED MANHOLE
PROPOSED CATCHBASIN
PROPOSED CONCRETE WALK
PROPOSED CURB
PROPOSED PAVEMENT MARKINGS
PROPOSED SANITARY SEWER
PROPOSED STORM SEWER
PROPOSED WATER MAIN & VALVE
2' MINIMUM CLEAN FILL
6" COMPACTED SUB-BASE or CRUSHER RUN (COVERED IN ASPHALT IN SOME PLACES)
6" COMPACTED SUB-BASE AND ASPHALT
CONCRETE SLAB OR SIDEWALK
2' RIP RAP
LANDS UNDER WATER
MOHAWK RIVER
FLOOD PLAIN ELEVATION=230.0'
DAYLIGHT COLLEGE CREEK
LOOKOUTS
AVERAGE WATER ELEVATION AS OF 10/12/2013 =211.25
AVERAGE WATER ELEVATION AS OF 11/2/2013 =213.54
FFE=233.5
FFE=233.5
FFE=233.5
STS
EXISTING BUILDING
FG=225.0
FG=228.0
COLLEGE CREEK ACCESS
MOHAWK HARBOR WAY
ERIE BOULEVARD
MAXON ROAD
GRAPHIC SCALE
(IN FEET)
1 inch = 60 ft.
12" NEW VALVE
NEW 12"x12"x12" TEE
EXISTING 12" WATER MAIN (APPROXIMATE LOCATION)

HERSHBERG & HERSHBERG

Consulting Engineers and Land Surveyors

18 Locust Street
Albany, New York 12203

ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, IS ILLEGAL

STATE OF NEW YORK — DANIEL R. HERSHBERG — 044226 — PROFESSIONAL ENGINEER & LAND SURVEYOR

DATE	REMARKS

REVISIONS

FINISH GRADE PLAN 1
ALCO REDEVELOPMENT SITE
SCHENECTADY, NEW YORK

2012-0158-1
DATE: 2/2/2016
CHK: DRH
BY: SMcC
SCALE: 1"=60'
FILE: 120158-1.dwg

FG-1

MOHAWK RIVER

MATCH LINE SHEET C15

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

LANDS OF RPI

MECHANICAL ROOM

RAMP

TW=217.0
BW=202.0

FG=217.25

TW=235.0
BW=217.0

FLOOD PLAIN ELEVATION=229.0
AVERAGE WATER ELEVATION AS OF 10/12/2013 =211.25
AVERAGE WATER ELEVATION AS OF 11/2/2013 =213.54

FFE=235.0

TW=234.5
BW=217.0

TW=231.0

FFE=243.0

FFE=240.0

FFE=240.5
FFE=231.5

MOHAWK HARBOR WAY

ERIE BOULEVARD

ERIE BOULEVARD

PROPOSED LEGEND

- PROPOSED CONTOURS
- PROPOSED MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED CONCRETE WALK
- PROPOSED CURB
- PROPOSED PAVEMENT MARKINGS
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATER MAIN & VALVE
- FFE=235.0 FINISH FLOOR ELEVATION
- FG=234.0 FINISH SPOT GRADES
- 2' MINIMUM CLEAN FILL
- 6" COMPACTED SUB-BASE OR CRUSHER RUN (COVERED IN ASPHALT IN SOME PLACES)
- 6" COMPACTED SUB-BASE AND ASPHALT
- CONCRETE SLAB OR SIDEWALK
- 2' RIP RAP
- LANDS UNDER WATER

HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

STATE OF NEW YORK
DANIEL R. HERSHBERG
044228
LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR

DATE

REMARKS

REVISIONS

FINISH GRADE PLAN 2
ALCO REDEVELOPMENT SITE
SCHENECTADY, NEW YORK

FILE: 120158-1.dwg | SCALE: 1"=60' | BY: SMcC | CHK: DRH | DATE: 2/22/2016 | 2012-0158-1

FG-2

2017 Fill Quantities - RJ Valente to Rifenburg Contracting Corp.

BEGIN DATE	1/1/17		
END DATE	12/31/17	CUSTOMER	121
SELL/BUY/TRA	ALL	ORDER	15
SHIP/RECEIVE	ALL		

PRODUCT	Description	Tickets	Qty	Unit	TicketType
110	ROB SAND	490	9,528.00	CUBIC YAR	S
320	#2 STONE	1	42.10	TON	S
330	#3 STONE	35	1,608.71	TON	S
350	CRUSHER RUN	209	6,957.66	TON	S
372	620.04 MEDIUM STONE	37	675.41	TON	S
412	SCREENED TOPSOIL	160	1,500.00	CUBIC YAR	S
		932.00	20,311.88		

ATTACHMENT G
SVI Assessment Results

Positive Pressure Data Comparison				
	Sample Location	**Initial Data**	**2018 Data**	**2019 Data**
Rivers Casino	SSVP-1	-0.005”	+0.001”	-0.003”
	SSVP-8	-0.020”	+0.00”	-0.001”
	SSVP-9	-0.003”	+0.001”	0.00"
	SSVP-12	Inaccessible	+0.090	-0.25"
	SSVP-15	-0.007”	-0.001”	0.00"
	SSVP-18	-0.003”	Inaccessible	-0.006"
	Net:	**-0.038”**	**0.091”**	**-0.26"**
Landings Hotel	Location 1	-	-0.81”	-0.006"
	Location 2	-	-0.002”	-0.003"
	Location 4	-	+0.00”	0.00"
	Location 5	-	+0.009”	-0.007"
	Net:	-	**-0.803”**	**-0.016"**

KEY NOTES: FLOOR PLANS

SEE SHEET A0.00.2 FOR GENERAL NOTES, TYPICAL SYMBOLS, DEFERRED SUBMITTAL INFORMATION, AND ABBREVIATIONS

1. STEEL COLUMN / BRACE FRAMING / HSS COLUMN WITH SPRAY APPLIED FIREPROOFING. NOTE: SEE STRUCTURAL DRAWINGS AND/OR SPECIFICATIONS FOR FURTHER INFORMATION REGARDING FIREPROOFING THICKNESS AND REQUIRED DETAILS TO SYSTEM BEING USED.
2. HSS COLUMN FOR BOLT DOWN DOOR / BI-FOLD DOOR / OPERABLE PARTITION WALL SYSTEM. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND ADDITIONAL INFORMATION. SEE SHOP DRAWINGS FOR EXACT LOCATION.
3. CONCRETE COLUMN - NOT UNDER TWO SUMMITS®. SEE STRUCTURAL DRAWINGS FOR SIZES, NOTES AND ADDITIONAL INFORMATION.
4. CONCRETE WALL - SEE PLANS AND WALL TYPE SHEET FOR ADDITIONAL INFORMATION. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTE AND INFORMATION.
5. CMU WALL: SEE PLANS AND WALL TYPE SHEET FOR ADDITIONAL INFORMATION. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
6. METAL STUD FRAMING: SEE WALL TYPE SHEET AND PLANS FOR ADDITIONAL NOTES AND INFORMATION.
7. COMPOSITE METAL PANEL SYSTEM OVER METAL STUD FRAMING SYSTEM. SEE PLAN AND SECTION FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
8. RIBBED METAL PANEL SYSTEM OVER METAL STUD FRAMING SYSTEM SEE SHEET A9.05-0, PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
9. STONE VENEER OVER METAL STUD FRAMING SYSTEM. SEE PLAN AND SECTION FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
10. STONE VENEER THIN SET OVER MORTAR SETTING BED ON TOP OF CONCRETE WALL. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
11. STONE VENEER OVER CONCRETE MASONRY UNIT WALL SYSTEM. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
12. STONE EXTERIOR CLADDING APPLIED OVER MORTAR SETTING BED ON TOP OF CONCRETE WALL. SEE PLANS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPE.
13. TEMPERED GLASS GUARDRAIL SYSTEM ON TOP OF CONCRETE WALL. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES AND INFORMATION.
14. EXTERIOR STOREFRONT GUARDRAIL / PRIVACY SYSTEM - ON TOP OF CONCRETE WALL. SEE PLANS, SECTIONS AND A9.03-0 SERIES SHEETS FOR ADDITIONAL NOTES AND INFORMATION.
15. CONCRETE SLAB ON GRADE OVER VAPOR BARRIER / MEMBRANE SYSTEM. SEE STRUCTURAL DRAWINGS AND SOILS REPORT FOR ADDITIONAL NOTES AND INFORMATION.
16. CONCRETE SLOPE - METAL DECK, 3" METAL PAN & REINFORCED CONCRETE FILL OVER METAL DECK SYSTEM. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
17. BUILT-UP ROOFING SYSTEM OVER CONCRETE DECK OR METAL DECK ON TOP OF CONCRETE OR STEEL FRAMING. SEE ROOF PLAN, SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION.
18. SLOPED SLAB ON GRADE OVER STRUCTURAL FILL. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
19. RAISED CONCRETE SLAB OVER CRAWL SPACE. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
20. RAISED FLOOR MATERIAL: SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
21. 24"x 24" ACCESS FLOORING SYSTEM - BASIS OF DESIGN: TATE ACCESS FLOORS, CONCRETE SYSTEM. SEE SLAB PLANS AND SHEET A0.03-0 FOR ADDITIONAL NOTES AND INFORMATION.
22. ELECTRICAL EQUIPMENT: SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
23. MECHANICAL EQUIPMENT: SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
24. PLUMBING EQUIPMENT: SEE PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
25. CONCRETE EQUIPMENT PAD: VERIFY LAYOUT, THICKNESS AND SIZE REQUIREMENTS WITH EQUIPMENT MANUFACTURER'S SHOP DRAWINGS, MECHANICAL / ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
26. FOOD SERVICE EQUIPMENT: SEE FOODSERVICE / ELECTRICAL / MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS AND ADDITIONAL NOTES AND INFORMATION.
27. FUTURE: SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
28. ELECTRICAL PANEL: SEE ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
29. GAMING MACHINES / EQUIPMENT: SEE ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
30. DOOR - SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
31. DECORATIVE ACCESS CONTROL GATE WITH PANIC HARDWARE. SEE DOOR SCHEDULE AND INTERIOR DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
32. DECORATIVE FAN AND LIGHTING FEATURE. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
33. ACOUSTIC FOLDING DOOR SYSTEM - BASIS OF DESIGN TO BE SKYFOLD 60 CLASSIC SERIES
34. DECORATIVE COLUMN WRAP. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
35. SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. SEE DETAIL 1/A9.00.0 SYSTEM ADDITIONAL INFORMATION. MAINTAIN WALL RATINGS AT CABINET AND PROVIDE SHOP DRAWINGS FOR REVIEW.
36. SEMI-RECESSED STANDPIPE / HOSE CABINET. SEE DETAIL 3/A9.00.0 FOR ADDITIONAL INFORMATION. MAINTAIN WALL RATINGS AT CABINET AND PROVIDE SHOP DRAWINGS FOR REVIEW.
37. DIAMOND PLATE WAINSCOT WITH WALL / CORNER GUARDS IN ALL B.O.H. CORRIDORS. SEE DETAIL 5/A9.00.0 FOR ADDITIONAL INFORMATION.
38. WALL / COLUMN MOUNTED TV OR CEILING / POLE MOUNTED TV. SEE INTERIOR DESIGN, ELECTRICAL AND A/V DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE BACKING AND SUPPORTS AS REQUIRED.
39. MILLWORK: SEE INTERIOR DESIGN FOR ADDITIONAL NOTES AND INFORMATION. MILLWORK SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION. BACKING REQUIREMENTS TO BE PROVIDED.
40. HIGH PRESSURE MIST® SYSTEM AT CAN WASH. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
41. FLOOR DRAIN. SEE PLUMBING FOR ADDITIONAL NOTES AND INFORMATION.
42. NOTCH FOR DOOR SELECTOR. 7/A9.00.0 AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
43. JANITOR / MOP SINK. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
44. HAND SINK - SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
45. FLOOR SINK - SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
46. FOOD SERVICE TROUGH DRAIN. SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
47. DRINKING FOUNTAIN: SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
48. DOCK BUMPER. SEE DETAIL A7/A9.00.1 FOR ADDITIONAL INFORMATION.
49. DOCK LEVELER.
50. CANOPY / OVERHANG / STRUCTURE ABOVE.
51. ELECTRICAL PANEL: SEE DETAIL 2/A9.00.0 AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
52. AUTOMATIC DOOR OPERATOR. SEE DOOR SCHEDULE AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
53. LIGHT FIXTURE. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
54. CONCRETE BOLLARD. SEE DETAIL 8/9.00.0.
55. OPERABLE WALL PARTITION. PROVIDE A MINIMUM 3'-0" WIDE DOOR WHERE SHOWN ON PLANS. DOOR SHALL MEET ALL EGRESS AND ORDINANCE FOR EGRESS AND ACCESSIBILITY REQUIREMENTS. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SEE STRUCTURAL DRAWINGS FOR STRUCTURAL REQUIREMENTS. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENTS AND INFORMATION. SEE INTERIOR DESIGN DRAWINGS FOR FINISH NOTES AND INFORMATION.
56. OPERABLE WALL PARTITION POCKET DOOR. REFER DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
57. ROLL DOWN OVERHEAD INSULATED DOOR. MOTOR MOUNT MOTOR. SEE DETAIL 1/A9.00.0 FOR DOOR SIZE. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENTS AND INFORMATION. SEE STRUCTURAL DRAWINGS FOR STRUCTURAL REQUIREMENTS. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ARCHITECT PRIOR TO FABRICATION / PURCHASE.
58. BI-FOLD DOOR PANEL DOOR SYSTEM - BASIS OF DESIGN IS CROWN INCORPORATED 557-II (FORMERLY 557-I) SYSTEM 1 WIDE VISION DOUBLE BI-FOLD DOOR PANELS WIDTH AND HEIGHT AS SHOWN ON PLANS. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
59. BI-FOLD SOLID PANEL DOOR SYSTEM. BASIS OF DESIGN IS CROWN INCORPORATED 557-II (FORMERLY 557-I) SYSTEM 1 WIDE VISION DOUBLE BI-FOLD DOOR PANELS WIDTH AND HEIGHT AS SHOWN ON PLANS. PANELS ARE TO BE PROVIDED PANELS WITH PANEL REINFORCEMENT FOR FUTURE INSTALLATION OF WALL MOUNTED EQUIPMENT. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
60. ASPHALT PAVING. SEE CIVIL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SHEET A9.06.0
61. 1-1/2" DIA. GUARDRAIL AT 42" MIN. ABOVE FINISHED FLOOR. SEE SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
62. 1-1/2" DIA. HANDRAILS AT 34" MIN. ABOVE FINISHED FLOOR. SEE SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
63. OPEN GRATE STEEL STAIR AND LANDING. SEE ENLARGED PLANS AND SECTIONS, SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
64. POURED IN PLACE REINFORCED CONCRETE STAIRS. SEE ENLARGED PLANS AND SECTIONS, SHEET A9.06.1 FOR ADDITIONAL NOTES AND INFORMATION.
65. RAMP. SEE ENLARGED PLANS AND SECTIONS FOR ADDITIONAL INFORMATION.
66. 10'-0" HIGH CHAIN LINK FENCE.
67. POCKET DOOR. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
68. LOCKERS. SEE SHEET A6.00.3 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
69. OSHA COMPLIANT LADDER. SEE DETAIL 4/A9.07.0
70. B.O.H. MILLWORK FURNISHINGS AND EQUIPMENT. SEE AE SERIES SHEETS FOR ADDITIONAL NOTES, ELEVATIONAL DETAILS AND SECTIONS FOR ADDITIONAL INFORMATION.
71. EXTERIOR STOREFRONT WINDOW SYSTEM. SEE A0.03.0 SERIES SHEETS FOR ELEVATIONS AND ADDITIONAL NOTES / INFORMATION. SEE DOOR SCHEDULE FOR DOOR LOCATIONS, AND ADDITIONAL NOTES AND INFORMATION.
72. INTERIOR STOREFRONT WINDOW SYSTEM. SEE A0.03.0 SERIES SHEETS FOR ELEVATIONS AND ADDITIONAL NOTES / INFORMATION.
73. STOREFRONT DOOR SYSTEM. SEE DOOR SCHEDULE, DOOR ELEVATIONS, AND A0.03.0 SERIES SHEETS FOR ELEVATIONS AND ADDITIONAL NOTES / INFORMATION.
74. WINDOW SYSTEM WITH PASS THROUGH AND SPEAK HOLE. SEE SHEET A0.03.1 FOR ELEVATIONS AND ADDITIONAL NOTES / INFORMATION.
75. FRAMELESS GLASS STOREFRONT SYSTEM. SEE DOOR SCHEDULE AND SHEET A0.03.0 SERIES SHEETS FOR ELEVATIONS AND ADDITIONAL NOTES / INFORMATION.
76. AUTOMATIC SLIDING DOOR SYSTEM WITH BREAKAWAY EMERGENCY EXIT PANELS. SEE DOOR SCHEDULE AND SHEET A0.03.0 FOR ADDITIONAL NOTES AND INFORMATION. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
77. EXTERIOR EXPANSION JOINT - SEE SHEET A9.03-0 FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
78. INTERIOR EXPANSION JOINT / COVER. SEE SHEETS A9.03.0 FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
79. SIGNAGE. REFER TO AND COORDINATE FOR FINAL SIZE, ATTACHMENT AND POWER REQUIREMENTS WITH SIGNAGE VENDOR. SIGNAGE VENDOR TO PROVIDE SHOP DRAWINGS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND REQUIREMENTS. REFER TO SIGNAGE SHEETS FOR ADDITIONAL NOTES, DIRECTION AND SPECIFICATIONS FOR DESIGN, INSTALLATION AND CONSTRUCTION OF SIGNAGE DEVICES.
80. GAS CONNECTION. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
81. ELEVATOR. SEE ENLARGED PLANS AND SECTIONS FOR ADDITIONAL INFORMATION. SEE MECHANICAL, ELECTRICAL AND SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS AND NOTES / INFORMATION.
82. ELEVATOR CONTROL UNIT. SEE ELECTRICAL DRAWINGS AND SHOP DRAWINGS FOR ADDITIONAL NOTES, INFORMATION AND REQUIREMENTS.
83. GREEN SCREEN TRELLIS PANEL. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
84. BOOSTER / EXHAUST GRILL. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
85. EMPLOYEE MEAL ORDERING KIOSKS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. OWNER PROVIDED, CONTRACTOR INSTALLED.
86. SIDEWALK. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
87. FINISH GRADE. SEE CIVIL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
88. LANDSCAPE AREA. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
89. PLANTER DRAIN. SEE PLUMBING AND LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. REFER TO LANDSCAPE DRAWINGS FOR FINAL LOCATION(S).
90. PLANTER. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
91. DECORATIVE CONCRETE SIDEWALK / PAVING. SEE LANDSCAPE AND CIVIL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
92. HEATED CONCRETE SIDEWALK / PAVING. SEE LANDSCAPE, CIVIL AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
93. TUBE STEEL SUPPORT COLUMNS TO BE WRAPPED WITH 5/8" GYPSUM BOARD FOR FIRE PROOFING.
94. METAL GATE. SEE DOOR SCHEDULE AND SHEET A0.02.2 FOR ADDITIONAL NOTES AND INFORMATION.
95. DECORATIVE METAL FENCE. SEE SHEET A9.09.2 FOR ELEVATION AND ADDITIONAL NOTES AND INFORMATION.
96. P.O.S. LOCATION. SEE ELECTRICAL AND TELECOM DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
97. ACCESSIBLE MILLWORK COUNTER LOCATION. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
98. B.O.H. CORNER GUARDS, INSTALL UP TO 48" A.F.F.
99. KITCHEN / FOOD SERVICE AREA STAINLESS STEEL CORNER GUARDS UP TO 48" A.F.F. - SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
100. PASS-THRU WINDOW. SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION.
101. WIRE DESK GRILL. SEE INTERIOR DESIGN, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
102. MILLWORK, BOOTHS, FURNITURE, COUNTERS, DISPLAY, ARTWORK, BANQUETTE SEATING UNITS, POS STATIONS, AND OTHER INTERIOR FURNISHINGS AND EQUIPMENT NOT SHOWN ON THE ARCHITECTURAL DRAWINGS. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION. ALL ELECTRICAL AND PLUMBING CONNECTIONS FOR THE ABOVE ITEMS TO BE DESIGNED AND ENGINEERED BY CONTRACTOR AND SUBMITTED AS A SHOP DRAWING FOR APPROVAL.
103. DECORATIVE WALL SCONCE. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
104. WALL FINISH. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR FINISH SCHEDULE, NOTES AND INSTALLATION REQUIREMENTS AND ADDITIONAL NOTES AND INFORMATION.
109. BAR TOP GAMING DEVICE. SEE INTERIOR DESIGN DRAWINGS FOR MILLWORK DETAILS AND ADDITIONAL NOTES. SEE ELECTRICAL AND TELECOM DRAWINGS.
109. MILLWORK BAR DIE AND TOP / MILLWORK BACKBAR. SEE INTERIOR DESIGN DRAWINGS FOR DETAILS, FINISHES AND ADDITIONAL NOTES AND INFORMATION.
107. MILLWORK HOSTESS STATION. SEE INTERIOR DESIGN DRAWINGS FOR DETAILS, FINISHES AND ADDITIONAL NOTES AND INFORMATION.
108. ACCESSIBLE COUNTER / BAR TOP GAMING LOCATIONS. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SEE ELECTRICAL DRAWINGS FOR POWER.
109. RAISED PLATFORM WITH EDGE LIGHTING. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND NOTES.
110. PICTED BOOTH. SEE INTERIOR DESIGN AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
111. CUSTOM ACOUSTIC PANEL. PIVOT DOORS WITH LIGHT FEATURE. SEE INTERIOR DESIGN, ELECTRICAL AND LIGHTING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
112. INDUSTRIAL WINDOW / GLASS AND METAL WALL SYSTEM. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SEE STRUCTURAL DRAWINGS FOR PROVIDE STRUCTURAL SUPPORT AS REQUIRED.
113. CUSTOM ACOUSTIC PANEL TOP HINGED BI-FOLD COUNTER TOP DOOR. SEE INTERIOR DESIGN DRAWINGS FOR FINISH AND ADDITIONAL NOTES AND INFORMATION. SEE ALSO STRUCTURAL DRAWINGS FOR SUPPORT INFORMATION.
114. ACOUSTIC PANEL WALL. SEE INTERIOR DESIGN FOR FINISH INFORMATION AND ADDITIONAL NOTES AND INFORMATION.
115. ARCHWAY BEYOND (DEPARTURE FROM A STRAIGHT, RADIUS, OR ARCH WALL). SEE SHEET A9.00.1 FOR ADDITIONAL NOTES AND INFORMATION. SEE ALSO SHEET A9.00.2 FOR MAXIMUM SHEET A9.00.1 FOR ADDITIONAL NOTES AND INFORMATION.
118. DOUBLE ACTING SWING DOOR. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
117. GLASS BLOCK TYP. WALL. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
118. DECORATIVE METAL SCREEN / LATTICE. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
119. DECORATIVE MILLWORK SCREEN. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
120. B.O.H. SECURITY GRILL. SEE SHEET A6.00.1 FOR ADDITIONAL INFORMATION.
121. SECURED PASS-THRU UNIT. SEE SHEET A6.00.1 FOR ADDITIONAL INFORMATION.
122. B.O.H. OFFICE FURNITURE / EQUIPMENT. OWNER PROVIDED AND INSTALLED.
123. SURVEILLANCE / SECURITY EQUIPMENT AND DISPLAYS. SEE SURVEILLANCE / SECURITY, ELECTRICAL, ARCHITECTURAL AND A/V DRAWINGS FOR ADDITIONAL REQUIREMENTS, INFORMATION AND NOTES.
124. BUILT-UP CONCRETE STAIRS. SEE ENLARGED PLANS AND SECTIONS, AND SHEET A9.06.1 FOR ADDITIONAL NOTES AND INFORMATION.
129. METAL COLUMN WRAP.

NOTE: UPS A157, SURVEILLANCE RACK A158 & I.T. RACK A159: ALL PENETRATIONS THROUGH CONSTRUCTION BOUNDARIES OF ROOMS PROTECTED BY THE CLEAN AGENT FIRE SUPPRESSION SYSTEM SHALL BE SEALED GAS-TIGHT BY THE SUBCONTRACTOR RESPONSIBLE FOR THE PENETRATIONS PRIOR TO FIRE SUPPRESSION SYSTEM ACCEPTANCE TEST. COORDINATE WITH ALL AFFECTED TRADES. IF THE SYSTEM DOES NOT PASS THE TEST, RESEAL PENETRATIONS AND RETEST UNTIL SYSTEM PASSES. CONTRACTOR(S) RESPONSIBLE FOR LEAKING PENETRATION(S) SHALL BEAR ANY COSTS ASSOCIATED WITH RETESTING THE FIRE SUPPRESSION SYSTEM.

1 FLOOR PLAN - AREA A - LEVEL 1

1/8" = 1'-0"

NORTH / PLAN NORTH

RIVERS CASINO
SCHENECTADY

KLAI JUBA WALD
architects

4444 W. Russell Road, Suite J
Las Vegas, NV 89118
(702) 221-2254

REGISTERED ARCHITECT
John R. Klai
023441
STATE OF NEW YORK

KJA Job Number: 14012

ISSUED/REVISED

NO:	DESCRIPTION	DATE:
	ISSUE FOR CONSTRUCTION	11-25-15
1	REVIEW COMMENTS	01-28-16
3	GENERAL REVISION	03-18-16

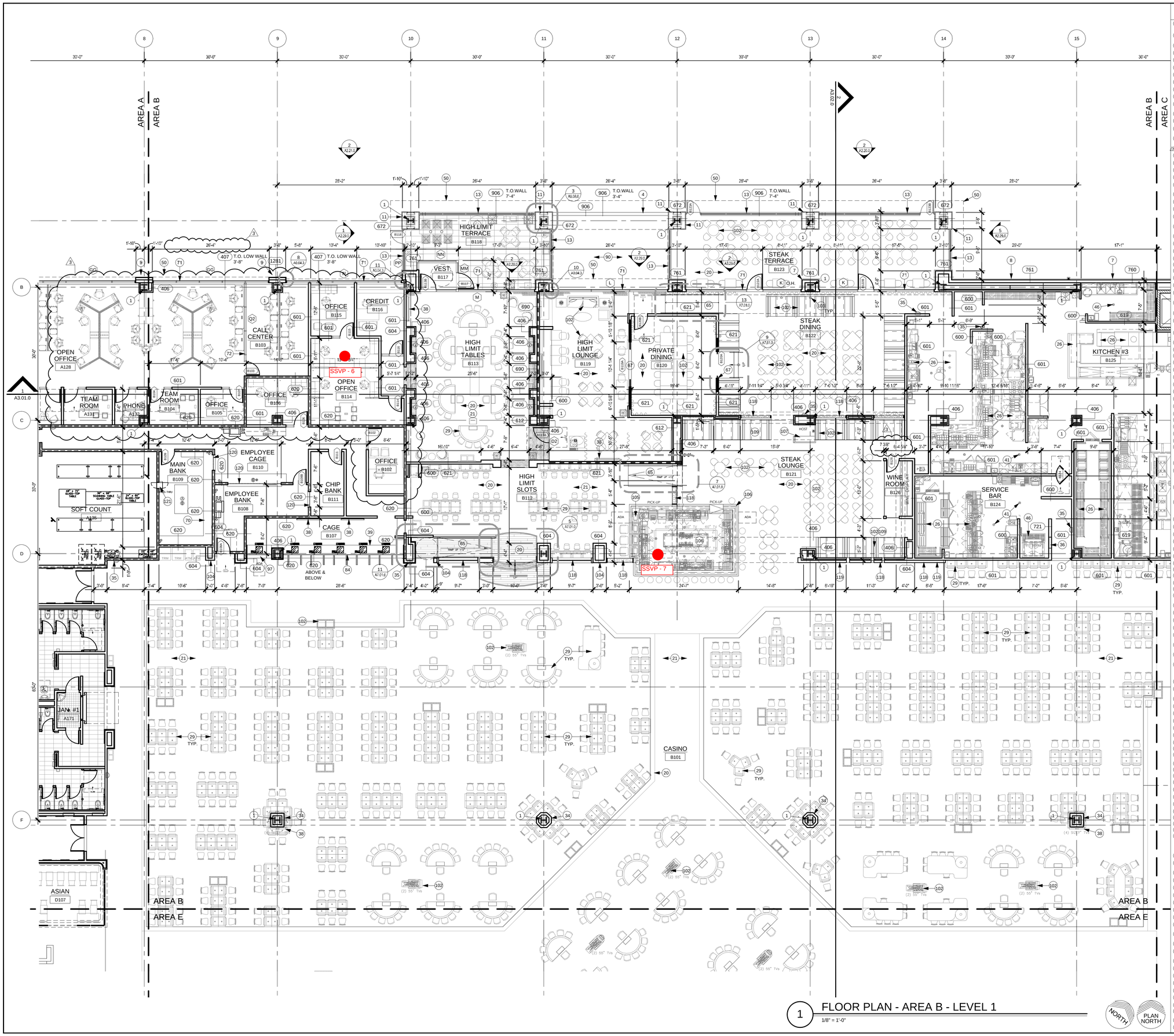
A B C
D E F

KEY PLAN

FLOOR PLAN
AREA A
LEVEL 1

LOW RISE

A1.01.A



1
FLOOR PLAN - AREA B - LEVEL 1
1/8" = 1'-0"

KEY NOTES: FLOOR PLANS

SEE SHEET A0.00.2 FOR GENERAL NOTES, TYPICAL SYMBOLS
DEFFERED SUBMITTAL INFORMATION, AND ABBREVIATIONS

1 STEEL COLUMN / BRACE FRAMINIG / HSS COLUMN WITH SPRAY APPLIED FIREPROOFING. REFER TO STRUCTURAL DRAWINGS AND FIRE PROTECTION REPORT FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS INDICATING FIREPROOFING THICKNESS AND RELATED DETAILS TO SYSTEM BEING USED.
2 HSS COLUMN FOR ROLL DOWN DOOR / BI-FOLD DOOR / OPERABLE PARTITION WALL SYSTEM. SEE PLANS FOR LOCATIONS. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SEE SHOP DRAWINGS FOR EXACT LOCATION.
3 CONCRETE COLUMN - NOT UNDER THIS SUBMITTAL. SEE GARAGE DRAWINGS FOR SIZES, NOTES AND ADDITIONAL INFORMATION.
4 CONCRETE WALL. SEE PLANS AND WALL TYPE SHEET FOR ADDITIONAL INFORMATION. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTE AND INFORMATION.
5 CMU WALL. SEE PLANS AND WALL TYPE SHEET FOR ADDITIONAL INFORMATION. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
6 METAL STUD FRAMING. SEE WALL TYPE SHEET AND PLANS FOR ADDITIONAL NOTES AND INFORMATION.
7 COMPOSITE METAL PANEL SYSTEM OVER METAL STUD FRAMING SYSTEM. SEE PLANS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPE.
8 RIBBED METAL PANEL SYSTEM OVER METAL STUD FRAMING SYSTEM.SEE SHEET A9.05.0, PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
9 STONE VENEER THIN SET OVER METAL STUD FRAMING SYSTEM. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
10 STONE VENEER THIN SET OVER MORTAR SETTING BED ON TOP OF CONCRETE WALL. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
11 STONE EXTERIOR CLADDING ATTACHMENT SYSTEM OVER METAL STUD FRAMING SYSTEM. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
12 STONE EXTERIOR CLADDING APPLIED OVER MORTAR SETTING BED ON TOP OF CONCRETE WALL. SEE PLANS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPE.
13 TEMPERED GLASS GUARDRAIL SYSTEM ON TOP OF CONCRETE WALL. SEE PLANS AND WALL SECTIONS FOR ADDITIONAL NOTES AND INFORMATION.
14 EXTERIOR STOREFRONT GUARDRAIL / PRIVACY SYSTEM ON TOP OF CONCRETE WALL. SEE PLANS, SECTIONS AND A0.03.0 SERIES SHEETS FOR ADDITIONAL NOTES AND INFORMATION.
15 CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND CRUSHED ROCK. SEE STRUCTURAL DRAWINGS AND SOILS REPORT FOR ADDITIONAL NOTES AND INFORMATION.
1 16 CONCRETE OVER METAL DECK. SLAB TO HAVE A MINIMUM 2 HOUR RATING. U.L. DESIGN - D916. REF. TO STRUCT. DWG'S. FOR ADDITIONAL NOTES AND INFORMATION.
17 BUILT-UP FLOOR SYSTEM: CONCRETE SLAB OVER METAL DECK AND METAL STUD FRAMING. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
18 CONCRETE SLAB OVER STRUCTURAL FOAM. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
19 PATIO AREA CONCRETE SLAB ON GRADE - SLOPE TO DRAIN. SEE I.D. FOR ADDITIONAL FINISH MATERIAL NOTES AND INFORMATION.
20 FINISHED FLOOR MATERIAL. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
21 24"x 24" ACCESS FLOORING SYSTEM. BASIS OF DESIGN: TATE ACCESS FLOORS "CONCORE 2000". SEE SLAB PLANS AND SHEET A9.01.0 FOR ADDITIONAL NOTES AND INFORMATION.
22 ELECTRICAL EQUIPMENT. SEE: ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
23 MECHANICAL EQUIPMENT. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
24 PLUMBING EQUIPMENT. SEE: PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
25 CONCRETE EQUIPMENT PAD. VERIFY LAYOUT, THICKNESS AND SIZE REQUIREMENS WITH EQUIPMENT MANUFACTURER. SEE ELECTRICAL / MECHANICAL / ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
26 FOOD SERVICE EQUIPMENT. SEE FOOD SERVICE / ELECTRICAL / MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS AND ADDITIONAL NOTES AND INFORMATION.
27 PLUMBING FIXTURE. SEE INTERIOR DESIGN AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
28 ELECTRICAL / AV FLOOR BOX. SEE ELECTRICAL AND AV DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
29 GAMING MACHINES / EQUIPMENT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
30 DOOR - SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
31 DECORATIVE ACCESS CONTROL GATE WITH PANIC HARDWARE. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
32 DECORATIVE FIN AND LIGHTING FEATURE. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
33 ACOUSTIC FOLDING DOOR SYSTEM - BASIS OF DESIGN TO BE SKYFOLD 60 CLASSIC SERIES
34 DECORATIVE COLUMN WRAP. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
35 SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. SEE DETAIL 1/A9.00.0 FOR ADDITIONAL INFORMATION. MAINTAIN WALL RATINGS AT CABINET AND PROVIDE SHOP DRAWINGS FOR REVIEW.
36 SEMI-RECESSED STANDPIPE / HOSE CABINET. SEE DETAIL 3/A9.00.0 FOR ADDITIONAL INFORMATION. MAINTAIN WALL RATINGS AT CABINET AND PROVIDE SHOP DRAWINGS FOR REVIEW.
37 DIAMOND PLATE WAINSCOT WITH WALL / CORNER GUARDS IN ALL B.O.H. CORRIDORS. SEE DETAIL 5/A9.00.0 FOR ADDITIONAL INFORMATION.
38 WALL / COLUMN MOUNTED TV OR CEILING / POLE MOUNTED TV. SEE INTERIOR DESIGN, ELECTRICAL AND A/V DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE BACKING AND SUPPORT AS REQUIRED.
39 MILLWORK. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION. BACKING REQUIREMENTS TO BE VERIFIED.
40 HIGH PRESSURE WASH SYSTEM AT CAN WASH. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
41 FLOOR DRAIN. SEE PLUMBING FOR ADDITIONAL NOTES AND INFORMATION.
42 TRENCH DRAIN. SEE DETAIL 7/A9.00.0 AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
43 JANITOR / MOP SINK. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
44 HAND SINK - SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
45 FLOOR SINK - SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
46 FOOD SERVICE TROUGH DRAIN. SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
47 DRINKING FOUNTAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
48 DOCK BUMPER. SEE DETAIL 4/A9.00.1 FOR ADDITIONAL INFORMATION.
49 DOCK LEVELER.
50 CANOPY / OVERHANG / STRUCTURE ABOVE.
51 ELECTRICAL PANEL. SEE DETAIL 2/A9.00.0 AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
52 AUTOMATIC DOOR OPERATOR. SEE DOOR SCHEDULE AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
53 LIGHT FIXTURE. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
54 CONCRETE BOLLARD. SEE DETAIL 8/9.00.0.
55 OPERABLE WALL PARTITION. PROVIDE A MINIMUM 3'-0" WIDE DOOR WHERE SHOWN ON PLANS. DOOR SHALL MEET ALL CODES AND ORDINANCES FOR EGRESS AND ACCESSIBILITY. REFER TO SHOP DRAWINGS FOR ADDITIONAL NOTES, INFORMATION AND STRUCTURAL REQUIREMENTS. SEE STRUCTURAL DRAWINGS FOR SUPPORT STEEL NOTES AND INFORMATION. SEE INTERIOR DESIGN DRAWINGS FOP FINISH NOTES AND INFORMATION.
56 OPERABLE WALL PARTITION POCKET DOOR. REFER DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
57 ROLL-DOWN OVERHEAD INSULATED DOOR WITH TOP MOUNT MOTOR. KEY SWITCH LOCATED ON EACH SIDE OF DOOR. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW BY ARCHITECT PRIOR TO FABRICATION. VERIFY AND COORDINATE ELECTRICAL AND STRUCTURAL REQUIREMENTS. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
58 BI-FOLD VISION DOOR SYSTEM. BASIS OF DESIGN IS CROWN INCORPORATED SST-II HYDRAULIC BI-FOLD SYSTEM. VERIFY AND COORDINATE ELECTRICAL, HYDRAULIC AND STRUCTURAL REQUIREMENTS. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
59 BI-FOLD SOLID PANEL DOOR SYSTEM. BASIS OF DESIGN IS CROWN INCORPORATED SST-II HYDRAULIC BI-FOLD SYSTEM.VERIFY AND COORDINATE ELECTRICAL, HYDRAULIC AND STRUCTURAL REQUIREMENTS. PANELS ARE TO BE ACOUSTIC PANELS WITH PANEL FINISHES TO BE SELECTED BY INTERIOR DESIGNER.CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
60 CONCRETE PAN FILLED STAIRS. SEE ENLARGED PLANS AND SECTIONS, SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
61 1-1/2" DIA. GUARDRAIL AT 42" MIN. ABOVE FINISHED FLOOR. SEE SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
62 1-1/2" DIA. HANDRAILS AT 34" MIN. ABOVE FINISHED FLOOR. SEE SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
63 OPEN GRATE STEEL STAIR AND LANDING. SEE ENLARGED PLANS AND SECTIONS, SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
64 POURED IN PLACE REINFORCED CONCRETE STAIRS. SEE ENLARGED PLANS AND SECTIONS, AND SHEET A9.06.1 FOR ADDITIONAL NOTES AND INFORMATION.
65 RAMP. SEE ENLARGED PLANS AND SECTIONS FOR ADDITIONAL INFORMATION.
66 10'-0" HIGH CHAIN LINK FENCE.
67 POCKET DOOR. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
68 LOCKERS. SEE SHEET A6.00.3 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
69 OSHA COMPLIANT LADDER. SEE DETAIL 4/A9.07.0
70 B.O.H. MILLWORK FURNISHINGS AND EQUIPMENT. SEE A6.00.0 SERIES SHEETS FOR ENLARGED PLANS, ELEVATIONS, DETAILS AND ADDITIONAL NOTES AND INFORMATION.
71 EXTERIOR STOREFRONT WINDOW SYSTEM. SEE A0.03.0 SERIES SHEETS FOR ELEVATIONS AND INDICATION OF SPANDREL GLASS AND VISION GLASS LOCATION(S), AND ADDITIONAL NOTES AND INFORMATION.
72 INTERIOR STOREFRONT WINDOW SYSTEM. SEE A0.03.0 SERIES SHEETS FOR ELEVATIONS AND ADDITIONAL NOTES / INFORMATION.
73 STOREFRONT DOOR SYSTEM. SEE DOOR SCHEDULE, DOOR ELEVATIONS, AND A0.03.0 SERIES SHEETS FOR ADDITIONAL NOTES AND INFORMATION.
74 WINDOW SYSTEM WITH PASS THROUGH AND SPEAK HOLE. SEE SHEET A0.03.3 FOR ELEVATION AND ADDITIONAL NOTES / INFORMATION.
75 FRAMELESS GLASS STOREFRONT SYSTEM. SEE DOOR SCHEDULE AND SHEET A0.03.0 FOR ELEVATION AND ADDITIONAL NOTES / INFORMATION.
76 AUTOMATIC SLIDING DOOR SYSTEM WITH BREAKAWAY EMERGENCY EXIT PANELS. SEE DOOR SCHEDULE AND AND SHEET A0.02.2 FOR ADDITIONAL NOTES AND INFORMATION. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
77 EXTERIOR EXPANSION JOINT. SEE SHEET A9.03.0 FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
78 INTERIOR EXPANSION JOINT / COVER. SEE SHEETS A9.03.0 FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
79 SIGNAGE. REFER TO SIGN CONTRACTOR FOR FINAL SIZE, ATTACHMENT AND POWER REQUIREMENTS. CONTRACTOR TO PROVIDE BACKING AS REQUIRED BY SIGNAGE SHOP DRAWINGS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO COORDINATE WITH OWNER, SIGN CONTRACTOR AND HIS SUBCONTRACTORS FOR FINAL DESIGN, INSTALLATION AND CONSTRUCTION OF SIGNAGE DEVICES.
80 GAS CONNECTOR. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
81 ELEVATOR. SEE ENLARGED PLANS AND SECTIONS FOR ADDITIONAL INFORMATION. RE: MECHANICAL, ELECTRICAL AND SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS AND NOTES / INFORMATION.
82 ELEVATOR CONTROL UNIT. SEE ELECTRICAL DRAWINGS AND SHOP DRAWINGS FOR ADDITIONAL NOTES, INFORMATION AND REQUIREMENTS.
83 GREEN SCREEN TRELLIS PANEL. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
84 DECORATIVE SECURITY GRILL. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
85 EMPLOYEE MEAL ORDERING KIOSKS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. OWNER PROVIDED, CONTRACTOR INSTALLED.
86 SIDEWALK. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
87 FINISH GRADE. SEE CIVIL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
88 LANDSCAPE AREA. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
89 PLANTER DRAIN. SEE PLUMBING AND LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. REFER TO LANDSCAPE DRAWINGS FOR FINAL LOCATION(S).
90 PLANTER. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
91 DECORATIVE CONCRETE SIDEWALK / PAVING. SEE LANDSCAPE AND CIVIL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
92 HEATED CONCRETE SIDEWALK / PAVING. SEE LANDSCAPE, CIVIL AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
93 TUBE STEEL SUPPORT COLUMNS TO BE WRAPPED WITH 5/8" GYPSUM BOARD FOR FIRE PROOFING.
94 METAL GATE. SEE DOOR SCHEDULE AND SHEET A0.02.2 FOR ADDITIONAL NOTES AND INFORMATION.
95 DECORATIVE METAL FENCE. SEE SHEET A9.09.2 FOR ELEVATION AND ADDITIONAL NOTES AND INFORMATION.
96 P.O.S. LOCATION. SEE ELECTRICAL AND TELECOM DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
97 ACCESSIBLE MILLWORK COUNTER LOCATION. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
98 B.O.H. CORNER GUARDS, INSTALL UP TO 48" A.F.F.
99 KITCHEN / FOOD SERVICE AREA STAINLESS STAINLESS STEEL CORNER GUARDS UP TO 48" A.F.F. - SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
100 PASS-THRU WINDOW. SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION.
101 WINE DISPLAY UNIT. SEE INTERIOR DESIGN, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
102 MILLWORK, BOOTHS, FURNITURE, COUNTERS, DISPLAY, ARTWORK, BANQUETTE, STORAGE UNITS, ACCESSORIES, AND PUBLIC RESTROOM FIXURES / ACCESSORIES, ETC. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR FINISHES AND ADDITIONAL NOTES AND INFORMATION. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO ANY PROCUREMENT OR FABRICATION. BACKING REQUIREMENTS FOR MOUNTING OF ALL ITEMS TO BE DESIGNED AND ENGINEERED BY CONTRACTOR AND SUBMITTED AS A SHOP DRAWING FOR APPROVAL.
103 DECORATIVE WALL SCONCES. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
104 WALL FINISH. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR FINISH INFORMATION, INSTALLATION REQUIREMENTS AND ADDITIONAL NOTES AND INFORMATION.
105 BAR TOP GAMING DEVICE. SEE INTERIOR DESIGN DRAWINGS FOR MILLWORK DETAILS AND ADDITIONAL NOTES. SEE ALSO ELECTRICAL AND TELECOM DRAWINGS.
106 MILLWORK BAR DIE AND TOP / MILLWORK BACKBAR. SEE INTERIOR DESIGN DRAWINGS FOR DETAILS, FINISHES AND ADDITIONAL NOTES AND INFORMATION.
107 MILLWORK HOSTESS STATION. SEE INTERIOR DESIGN DRAWINGS FOR DETAILS, FINISHES AND ADDITIONAL NOTES AND INFORMATION.
108 ACCESSIBLE COUNTER / BAR TOP GAMING LOCATION. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SEE ALSO ELECTRICAL AND TELECOM.
109 RAISED PLATFORM WITH EDGE LIGHTING. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND NOTES.
110 PHOTO BOOTH. SEE INTERIOR DESIGN AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
111 CUSTOM ACOUSTIC PANEL PIVOT DOORS WITH LIGHT FEATURE. SEE INTERIOR DESIGN, ELECTRICAL AND LIGHTING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
112 "INDUSTRIAL WINDOW" GLASS AND METAL WALL. SEE INTERIOR DESIGN DRAWINGS FOR FINISH INFORMATION AND ADDITIONAL NOTES AND INFORMATION. PROVIDE STRUCTURAL SUPPORT AS REQUIRED.
113 CUSTOM ACOUSTIC PANEL TOP HINGED BI-FOLD COUNTER-TOP DOOR. SEE INTERIOR DESIGN DRAWINGS FOR FINISH AND ADDITIONAL NOTES AND INFORMATION. SEE ALSO STRUCTURAL DRAWINGS FOR SUPPORT INFORMATION.
114 ACOUSTIC PANEL WALL. SEE INTERIOR DESIGN FOR FINISH INFORMATION AND ADDTIONAL NOTES AND INFORMATION.
115 ACOUSTIC SOUND ISOLATION WALL SYSTEM. BASIS OF DESIGN: KINETICS ISOMAX RESILIENT SOUND ISOLATION CLIP SYSTEM OVER METAL STUD WALL SYSTEM. SEE SHEET A9.00.1 FOR ADDITIONAL NOTES AND INFORMATION.
116 DOUBLE ACTING SWING DOOR. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
117 GLASS BLOCK TILE WALL. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
118 DECORATIVE METAL SCREEN / LATTICE. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATION FOR ADDITIONAL NOTES AND INFORMATION.
119 DECORATIVE MILLWORK SCREEN. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
120 B.O.H. SECURITY GRILL. SEE SHEET A6.00.1 FOR ADDITIONAL INFORMATION.
121 SECURED PASS-THRU UNIT. SEE SHEET A6.00.1 FOR ADDITIONAL INFORMATION.
122 B.O.H. OFFICE FURNITURE / EQUIPMENT. OWNER PROVIDED AND INSTALLED.
123 SURVEILLANCE / SECURITY EQUIPMENT AND DISPLAYS. SEE SURVEILLANCE / SECURITY, ELECTRICAL/ LOW VOLTAGE AND A/V DRAWINGS FOR ADDITIONAL REQUIREMENTS, INFORMATION AND NOTES.
124 BUILT-UP CONCRETE STAIRS. SEE ENLARGED PLANS AND SECTIONS, AND SHEET A9.06.1 FOR ADDITIONAL NOTES AND INFORMATION.
125 METAL COLUMN WRAP.

RIVERS CASINO
SCHENECTADY

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ISSUED/REVISED

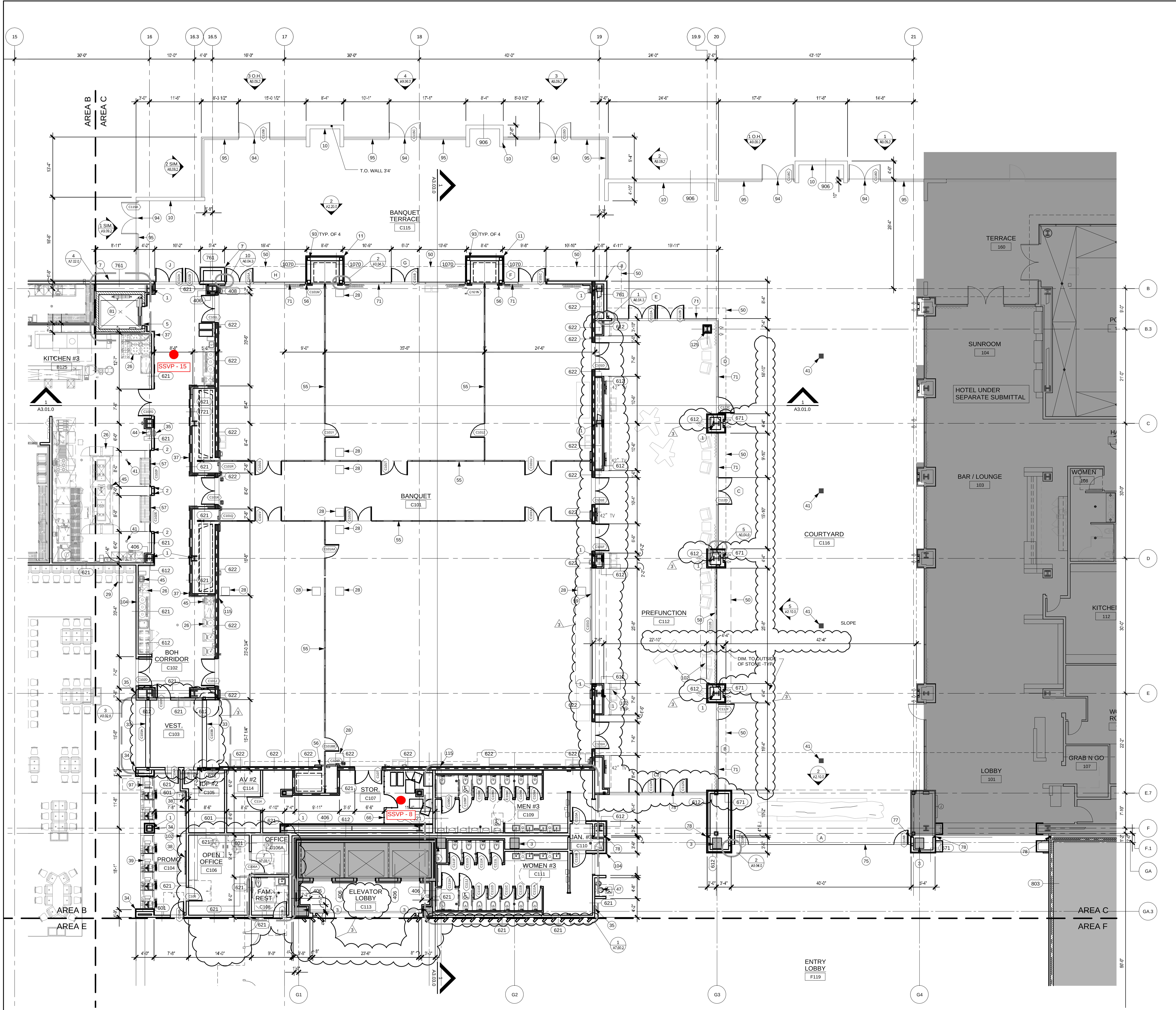
NO:	DESCRIPTION	DATE:
	ISSUE FOR CONSTRUCTION	11-25-15
1	REVIEW COMMENTS	01-28-16
3	GENERAL REVISION	03-18-16

KEY PLAN

FLOOR PLAN
AREA B
LEVEL1

LOW RISE

A1.01.B



1 FLOOR PLAN - AREA C - LEVEL 1

1/8" = 1'-0"

NORTH

PLAN NORTH

KEY NOTES: FLOOR PLANS

SEE SHEET A0.00.2 FOR GENERAL NOTES, TYPICAL SYMBOLS DEFFERED SUBMITTAL INFORMATION, AND ABBREVIATIONS

1. STEEL COLUMN / BRACE FRAMINIG / HSS COLUMN WITH SPRAY APPLIED FIREPROOFING. REFER TO STRUCTURAL DRAWINGS AND FIRE PROTECTION REPORT FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS INDICATING FIREPROOFING THICKNESS AND RELATED DETAILS TO SYSTEM BEING USED.
2. HSS COLUMN FOR ROLL DOWN DOOR / BI-FOLD DOOR / OPERABLE PARTITION WALL SYSTEM. SEE PLANS FOR LOCATIONS. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SEE SHOP DRAWINGS FOR EXACT LOCATION.
3. CONCRETE COLUMN - NOT UNDER THIS SUBMITTAL. SEE GARAGE DRAWINGS FOR SIZES, NOTES AND ADDITIONAL INFORMATION.
4. CONCRETE WALL. SEE PLANS AND WALL TYPE SHEET FOR ADDITIONAL INFORMATION. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTE AND INFORMATION.
5. CMU WALL. SEE PLANS AND WALL TYPE SHEET FOR ADDITIONAL INFORMATION. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
6. METAL STUD FRAMING. SEE WALL TYPE SHEET AND PLANS FOR ADDITIONAL NOTES AND INFORMATION.
7. COMPOSITE METAL PANEL SYSTEM OVER METAL STUD FRAMING SYSTEM. SEE PLANS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPE.
8. RIBBED METAL PANEL SYSTEM OVER METAL STUD FRAMING SYSTEM.SEE SHEET A9.05.0, PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
9. STONE VENEER THIN SET OVER METAL STUD FRAMING SYSTEM. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
10. STONE VENEER THIN SET OVER MORTAR SETTING BED ON TOP OF CONCRETE WALL. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
11. STONE EXTERIOR CLADDING ATTACHMENT SYSTEM OVER METAL STUD FRAMING SYSTEM. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
12. STONE EXTERIOR CLADDING APPLIED OVER MORTAR SETTING BED ON TOP OF CONCRETE WALL. SEE PLANS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPE.
13. TEMPERED GLASS GUARDRAIL SYSTEM ON TOP OF CONCRETE WALL. SEE PLANS AND WALL SECTIONS FOR ADDITIONAL NOTES AND INFORMATION.
14. EXTERIOR STOREFRONT GUARDRAIL / PRIVACY SYSTEM ON TOP OF CONCRETE WALL. SEE PLANS, SECTIONS AND A0.03.0 SERIES SHEETS FOR ADDITIONAL NOTES AND INFORMATION.
15. CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND CRUSHED ROCK. SEE STRUCTURAL DRAWINGS AND SOILS REPORT FOR ADDITIONAL NOTES AND INFORMATION.
16. CONCRETE OVER METAL DECK. SLAB TO HAVE A MINIMUM 2 HOUR RATING. U.L. DESIGN - D916. REF. TO STRUCT. DWG'S. FOR ADDITIONAL NOTES AND INFORMATION.
17. BUILT-UP FLOOR SYSTEM: CONCRETE SLAB OVER METAL DECK AND METAL STUD FRAMING. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
18. CONCRETE SLAB OVER STRUCTURAL FOAM. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
19. PATIO AREA CONCRETE SLAB ON GRADE - SLOPE TO DRAIN. SEE I.D. FOR ADDITIONAL FINISH MATERIAL NOTES AND INFORMATION.
20. FINISHED FLOOR MATERIAL. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
21. 24"x 24" ACCESS FLOORING SYSTEM. BASIS OF DESIGN: TATE ACCESS FLOORS "CONCORE 2000". SEE SLAB PLANS AND SHEET A9.01.0 FOR ADDITIONAL NOTES AND INFORMATION.
22. ELECTRICAL EQUIPMENT. SEE: ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
23. MECHANICAL EQUIPMENT. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
24. PLUMBING EQUIPMENT. SEE: PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
25. CONCRETE EQUIPMENT PAD. VERIFY LAYOUT, THICKNESS AND SIZE REQUIREMENS WITH EQUIPMENT MANUFACTURER. SEE ELECTRICAL / MECHANICAL / ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
26. FOOD SERVICE EQUIPMENT. SEE FOOD SERVICE / ELECTRICAL / MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS AND ADDITIONAL NOTES AND INFORMATION.
27. PLUMBING FIXTURE. SEE INTERIOR DESIGN AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
28. ELECTRICAL / AV FLOOR BOX. SEE ELECTRICAL AND AV DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
29. GAMING MACHINES / EQUIPMENT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
30. DOOR - SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
31. DECORATIVE ACCESS CONTROL GATE WITH PANIC HARDWARE. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
32. DECORATIVE FIN AND LIGHTING FEATURE. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
33. ACOUSTIC FOLDING DOOR SYSTEM - BASIS OF DESIGN TO BE SKYFOLD 60 CLASSIC SERIES
34. DECORATIVE COLUMN WRAP. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
35. SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. SEE DETAIL 1/A9.00.0 FOR ADDITIONAL INFORMATION. MAINTAIN WALL RATINGS AT CABINET AND PROVIDE SHOP DRAWINGS FOR REVIEW.
36. SEMI-RECESSED STANDPIPE / HOSE CABINET. SEE DETAIL 3/A9.00.0 FOR ADDITIONAL INFORMATION. MAINTAIN WALL RATINGS AT CABINET AND PROVIDE SHOP DRAWINGS FOR REVIEW.
37. DIAMOND PLATE WAINSCOT WITH WALL / CORNER GUARDS IN ALL B.O.H. CORRIDORS. SEE DETAIL 5/A9.00.0 FOR ADDITIONAL INFORMATION.
38. WALL / COLUMN MOUNTED TV OR CEILING / POLE MOUNTED TV. SEE INTERIOR DESIGN, ELECTRICAL AND A/V DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE BACKING AND SUPPORT AS REQUIRED.
39. MILLWORK. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION. BACKING REQUIREMENTS TO BE VERIFIED.
40. HIGH PRESSURE WASH SYSTEM AT CAN WASH. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
41. FLOOR DRAIN. SEE PLUMBING FOR ADDITIONAL NOTES AND INFORMATION.
42. TRENCH DRAIN. SEE DETAIL 7/A9.00.0 AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
43. JANITOR / MOP SINK. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
44. HAND SINK - SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
45. FLOOR SINK - SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
46. FOOD SERVICE TROUGH DRAIN. SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
47. DRINKING FOUNTAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
48. DOCK BUMPER. SEE DETAIL 4/A9.00.1 FOR ADDITIONAL INFORMATION.
49. DOCK LEVELER.
50. CANOPY / OVERHANG / STRUCTURE ABOVE.
51. ELECTRICAL PANEL. SEE DETAIL 2/A9.00.0 AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
52. AUTOMATIC DOOR OPERATOR. SEE DOOR SCHEDULE AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
53. LIGHT FIXTURE. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
54. CONCRETE BOLLARD. SEE DETAIL 8/9.00.0.
55. OPERABLE WALL PARTITION. PROVIDE A MINIMUM 3'-0" WIDE DOOR WHERE SHOWN ON PLANS. DOOR SHALL MEET ALL CODES AND ORDINANCES FOR EGRESS AND ACCESSIBILITY. REFER TO SHOP DRAWINGS FOR ADDITIONAL NOTES, INFORMATION AND STRUCTURAL REQUIREMENTS. SEE STRUCTURAL DRAWINGS FOR SUPPORT STEEL NOTES AND INFORMATION. SEE INTERIOR DESIGN DRAWINGS FOP FINISH NOTES AND INFORMATION.
56. OPERABLE WALL PARTITION POCKET DOOR. REFER DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
57. ROLL-DOWN OVERHEAD INSULATED DOOR WITH TOP MOUNT MOTOR. KEY SWITCH LOCATED ON EACH SIDE OF DOOR. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW BY ARCHITECT PRIOR TO FABRICATION. VERIFY AND COORDINATE ELECTRICAL AND STRUCTURAL REQUIREMENTS. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
58. BI-FOLD VISION DOOR SYSTEM. BASIS OF DESIGN IS CROWN INCORPORATED SST-II HYDRAULIC BI-FOLD SYSTEM. VERIFY AND COORDINATE ELECTRICAL, HYDRAULIC AND STRUCTURAL REQUIREMENTS. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
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60. CONCRETE PAN FILLED STAIRS. SEE ENLARGED PLANS AND SECTIONS, SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
61. 1-1/2" DIA. GUARDRAIL AT 42" MIN. ABOVE FINISHED FLOOR. SEE SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
62. 1-1/2" DIA. HANDRAILS AT 34" MIN. ABOVE FINISHED FLOOR. SEE SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
63. OPEN GRATE STEEL STAIR AND LANDING. SEE ENLARGED PLANS AND SECTIONS, SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
64. POURED IN PLACE REINFORCED CONCRETE STAIRS. SEE ENLARGED PLANS AND SECTIONS, AND SHEET A9.06.1 FOR ADDITIONAL NOTES AND INFORMATION.
65. RAMP. SEE ENLARGED PLANS AND SECTIONS FOR ADDITIONAL INFORMATION.
66. 10'-0" HIGH CHAIN LINK FENCE.
67. POCKET DOOR. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
68. LOCKERS. SEE SHEET A6.00.3 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
69. OSHA COMPLIANT LADDER. SEE DETAIL 4/A9.07.0
70. B.O.H. MILLWORK FURNISHINGS AND EQUIPMENT. SEE A6.00.0 SERIES SHEETS FOR ENLARGED PLANS, ELEVATIONS, DETAILS AND ADDITIONAL NOTES AND INFORMATION.
71. EXTERIOR STOREFRONT WINDOW SYSTEM. SEE A0.03.0 SERIES SHEETS FOR ELEVATIONS AND INDICATION OF SPANDREL GLASS AND VISION GLASS LOCATION(S), AND ADDITIONAL NOTES AND INFORMATION.
72. INTERIOR STOREFRONT WINDOW SYSTEM. SEE A0.03.0 SERIES SHEETS FOR ELEVATIONS AND ADDITIONAL NOTES / INFORMATION.
73. STOREFRONT DOOR SYSTEM. SEE DOOR SCHEDULE, DOOR ELEVATIONS, AND A0.03.0 SERIES SHEETS FOR ADDITIONAL NOTES AND INFORMATION.
74. WINDOW SYSTEM WITH PASS THROUGH AND SPEAK HOLE. SEE SHEET A0.03.3 FOR ELEVATION AND ADDITIONAL NOTES / INFORMATION.
75. FRAMELESS GLASS STOREFRONT SYSTEM. SEE DOOR SCHEDULE AND SHEET A0.03.0 FOR ELEVATION AND ADDITIONAL NOTES / INFORMATION.
76. AUTOMATIC SLIDING DOOR SYSTEM WITH BREAKAWAY EMERGENCY EXIT PANELS. SEE DOOR SCHEDULE AND AND SHEET A0.02.2 FOR ADDITIONAL NOTES AND INFORMATION. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
77. EXTERIOR EXPANSION JOINT. SEE SHEET A9.03.0 FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
78. INTERIOR EXPANSION JOINT / COVER. SEE SHEETS A9.03.0 FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
79. SIGNAGE. REFER TO SIGN CONTRACTOR FOR FINAL SIZE, ATTACHMENT AND POWER REQUIREMENTS. CONTRACTOR TO PROVIDE BACKING AS REQUIRED BY SIGNAGE SHOP DRAWINGS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO COORDINATE WITH OWNER, SIGN CONTRACTOR AND HIS SUBCONTRACTORS FOR FINAL DESIGN, INSTALLATION AND CONSTRUCTION OF SIGNAGE DEVICES.
80. GAS CONNECTOR. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
81. ELEVATOR. SEE ENLARGED PLANS AND SECTIONS FOR ADDITIONAL INFORMATION. RE: MECHANICAL, ELECTRICAL AND SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS AND NOTES / INFORMATION.
82. ELEVATOR CONTROL UNIT. SEE ELECTRICAL DRAWINGS AND SHOP DRAWINGS FOR ADDITIONAL NOTES, INFORMATION AND REQUIREMENTS.
83. GREEN SCREEN TRELLIS PANEL. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
84. DECORATIVE SECURITY GRILL. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
85. EMPLOYEE MEAL ORDERING KIOSKS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. OWNER PROVIDED, CONTRACTOR INSTALLED.
86. SIDEWALK. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
87. FINISH GRADE. SEE CIVIL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
88. LANDSCAPE AREA. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
89. PLANTER DRAIN. SEE PLUMBING AND LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. REFER TO LANDSCAPE DRAWINGS FOR FINAL LOCATION(S).
90. PLANTER. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
91. DECORATIVE CONCRETE SIDEWALK / PAVING. SEE LANDSCAPE AND CIVIL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
92. HEATED CONCRETE SIDEWALK / PAVING. SEE LANDSCAPE, CIVIL AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
93. TUBE STEEL SUPPORT COLUMNS TO BE WRAPPED WITH 5/8" GYPSUM BOARD FOR FIRE PROOFING.
94. METAL GATE. SEE DOOR SCHEDULE AND SHEET A0.02.2 FOR ADDITIONAL NOTES AND INFORMATION.
95. DECORATIVE METAL FENCE. SEE SHEET A9.09.2 FOR ELEVATION AND ADDITIONAL NOTES AND INFORMATION.
96. P.O.S. LOCATION. SEE ELECTRICAL AND TELECOM DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
97. ACCESSIBLE MILLWORK COUNTER LOCATION. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
98. B.O.H. CORNER GUARDS, INSTALL UP TO 48" A.F.F.
99. KITCHEN / FOOD SERVICE AREA STAINLESS STAINLESS STEEL CORNER GUARDS UP TO 48" A.F.F. - SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
100. PASS-THRU WINDOW. SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION.
101. WINE DISPLAY UNIT. SEE INTERIOR DESIGN, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
102. MILLWORK, BOOTHS, FURNITURE, COUNTERS, DISPLAY, ARTWORK, BANQUETTE, STORAGE UNITS, ACCESSORIES, AND PUBLIC RESTROOM FIXURES / ACCESSORIES, ETC. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR FINISHES AND ADDITIONAL NOTES AND INFORMATION. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO ANY PROCUREMENT OR FABRICATION. BACKING REQUIREMENTS FOR MOUNTING OF ALL ITEMS TO BE DESIGNED AND ENGINEERED BY CONTRACTOR AND SUBMITTED AS A SHOP DRAWING FOR APPROVAL.
103. DECORATIVE WALL SCONCES. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
104. WALL FINISH. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR FINISH INFORMATION, INSTALLATION REQUIREMENTS AND ADDITIONAL NOTES AND INFORMATION.
105. BAR TOP GAMING DEVICE. SEE INTERIOR DESIGN DRAWINGS FOR MILLWORK DETAILS AND ADDITIONAL NOTES. SEE ALSO ELECTRICAL AND TELECOM DRAWINGS.
106. MILLWORK BAR DIE AND TOP / MILLWORK BACKBAR. SEE INTERIOR DESIGN DRAWINGS FOR DETAILS, FINISHES AND ADDITIONAL NOTES AND INFORMATION.
107. MILLWORK HOSTESS STATION. SEE INTERIOR DESIGN DRAWINGS FOR DETAILS, FINISHES AND ADDITIONAL NOTES AND INFORMATION.
108. ACCESSIBLE COUNTER / BAR TOP GAMING LOCATION. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SEE ALSO ELECTRICAL AND TELECOM.
109. RAISED PLATFORM WITH EDGE LIGHTING. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND NOTES.
110. PHOTO BOOTH. SEE INTERIOR DESIGN AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
111. CUSTOM ACOUSTIC PANEL PIVOT DOORS WITH LIGHT FEATURE. SEE INTERIOR DESIGN, ELECTRICAL AND LIGHTING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
112. "INDUSTRIAL WINDOW" GLASS AND METAL WALL. SEE INTERIOR DESIGN DRAWINGS FOR FINISH INFORMATION AND ADDITIONAL NOTES AND INFORMATION. PROVIDE STRUCTURAL SUPPORT AS REQUIRED.
113. CUSTOM ACOUSTIC PANEL TOP HINGED BI-FOLD COUNTER-TOP DOOR. SEE INTERIOR DESIGN DRAWINGS FOR FINISH AND ADDITIONAL NOTES AND INFORMATION. SEE ALSO STRUCTURAL DRAWINGS FOR SUPPORT INFORMATION.
114. ACOUSTIC PANEL WALL. SEE INTERIOR DESIGN FOR FINISH INFORMATION AND ADDTIONAL NOTES AND INFORMATION.
115. ACOUSTIC SOUND ISOLATION WALL SYSTEM. BASIS OF DESIGN: KINETICS ISOMAX RESILIENT SOUND ISOLATION CLIP SYSTEM OVER METAL STUD WALL SYSTEM. SEE SHEET A9.00.1 FOR ADDITIONAL NOTES AND INFORMATION.
116. DOUBLE ACTING SWING DOOR. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
117. GLASS BLOCK TILE WALL. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
118. DECORATIVE METAL SCREEN / LATTICE. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATION FOR ADDITIONAL NOTES AND INFORMATION.
119. DECORATIVE MILLWORK SCREEN. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
120. B.O.H. SECURITY GRILL. SEE SHEET A6.00.1 FOR ADDITIONAL INFORMATION.
121. SECURED PASS-THRU UNIT. SEE SHEET A6.00.1 FOR ADDITIONAL INFORMATION.
122. B.O.H. OFFICE FURNITURE / EQUIPMENT. OWNER PROVIDED AND INSTALLED.
123. SURVEILLANCE / SECURITY EQUIPMENT AND DISPLAYS. SEE SURVEILLANCE / SECURITY, ELECTRICAL/ LOW VOLTAGE AND A/V DRAWINGS FOR ADDITIONAL REQUIREMENTS, INFORMATION AND NOTES.
124. BUILT-UP CONCRETE STAIRS. SEE ENLARGED PLANS AND SECTIONS, AND SHEET A9.06.1 FOR ADDITIONAL NOTES AND INFORMATION.
125. METAL COLUMN WRAP.

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ISSUED/REVISED

NO:	DESCRIPTION	DATE:
	ISSUE FOR CONSTRUCTION	11-25-15
1	REVIEW COMMENTS	01-28-16
3	GENERAL REVISION	03-18-16

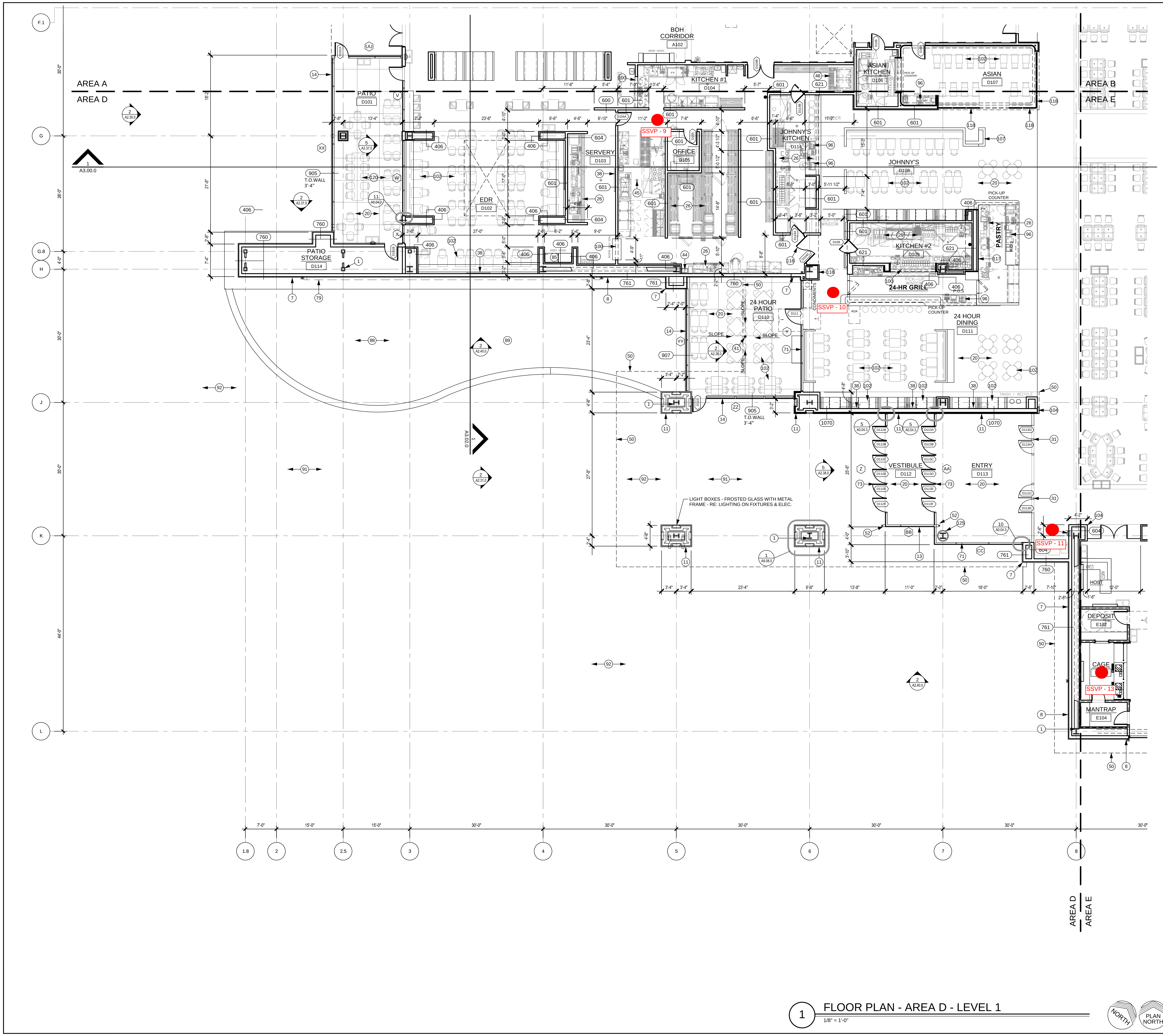
A B C
D E F

KEY PLAN

FLOOR PLAN
AREA C
LEVEL 1

LOW RISE

A1.01.C



1 FLOOR PLAN - AREA D - LEVEL 1
1/8" = 1'-0"

NORTH
PLAN NORTH

KEY NOTES: FLOOR PLANS

SEE SHEET A0.00.2 FOR GENERAL NOTES, TYPICAL SYMBOLS DEFFERED SUBMITTAL INFORMATION, AND ABBREVIATIONS

1. STEEL COLUMN / BRACE FRAMINIG / HSS COLUMN WITH SPRAY APPLIED FIREPROOFING REFER TO STRUCTURAL DRAWINGS AND FIRE PROTECTION REPORT FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS INDICATING FIREPROOFING THICKNESS AND RELATED DETAILS TO SYSTEM BEING USED.
2. HSS COLUMN FOR ROLL DOWN DOOR / BI-FOLD DOOR / OPERABLE PARTITION WALL SYSTEM. SEE PLANS FOR LOCATIONS. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SEE SHOP DRAWINGS FOR EXACT LOCATION.
3. CONCRETE COLUMN - NOT UNDER THIS SUBMITTAL. SEE GARAGE DRAWINGS FOR SIZES, NOTES AND ADDITIONAL INFORMATION.
4. CONCRETE WALL. SEE PLANS AND WALL TYPE SHEET FOR ADDITIONAL INFORMATION. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTE AND INFORMATION.
5. CMU WALL. SEE PLANS AND WALL TYPE SHEET FOR ADDITIONAL INFORMATION. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
6. METAL STUD FRAMING. SEE WALL TYPE SHEET AND PLANS FOR ADDITIONAL NOTES AND INFORMATION.
7. COMPOSITE METAL PANEL SYSTEM OVER METAL STUD FRAMING SYSTEM. SEE PLANS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPE.
8. RIBBED METAL PANEL SYSTEM OVER METAL STUD FRAMING SYSTEM.SEE SHEET A9.05.0, PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
9. STONE VENEER THIN SET OVER METAL STUD FRAMING SYSTEM. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
10. STONE VENEER THIN SET OVER MORTAR SETTING BED ON TOP OF CONCRETE WALL. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
11. STONE EXTERIOR CLADDING ATTACHMENT SYSTEM OVER METAL STUD FRAMING SYSTEM. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
12. STONE EXTERIOR CLADDING APPLIED OVER MORTAR SETTING BED ON TOP OF CONCRETE WALL. SEE PLANS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPE.
13. TEMPERED GLASS GUARDRAIL SYSTEM ON TOP OF CONCRETE WALL. SEE PLANS AND WALL SECTIONS FOR ADDITIONAL NOTES AND INFORMATION.
14. EXTERIOR STOREFRONT GUARDRAIL / PRIVACY SYSTEM ON TOP OF CONCRETE WALL. SEE PLANS, SECTIONS AND A0.03.0 SERIES SHEETS FOR ADDITIONAL NOTES AND INFORMATION.
15. CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND CRUSHED ROCK. SEE STRUCTURAL DRAWINGS AND SOILS REPORT FOR ADDITIONAL NOTES AND INFORMATION.
16. CONCRETE OVER METAL DECK. SLAB TO HAVE A MINIMUM 2 HOUR RATING. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
17. BUILT-UP FLOOR SYSTEM: CONCRETE SLAB OVER METAL DECK AND METAL STUD FRAMING. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
18. CONCRETE SLAB OVER STRUCTURAL FOAM. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
19. PATIO AREA CONCRETE SLAB ON GRADE - SLOPE TO DRAIN. SEE I.D. FOR ADDITIONAL FINISH MATERIAL NOTES AND INFORMATION.
20. FINISHED FLOOR MATERIAL. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
21. 24"x 24" ACCESS FLOORING SYSTEM. BASIS OF DESIGN: TATE ACCESS FLOORS "CONCORE 2000". SEE SLAB PLANS AND SHEET A9.01.0 FOR ADDITIONAL NOTES AND INFORMATION.
22. ELECTRICAL EQUIPMENT. SEE: ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
23. MECHANICAL EQUIPMENT. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
24. PLUMBING EQUIPMENT. SEE: PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
25. CONCRETE EQUIPMENT PAD. VERIFY LAYOUT, THICKNESS AND SIZE REQUIREMENS WITH EQUIPMENT MANUFACTURER. SEE ELECTRICAL / MECHANICAL / ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
26. FOOD SERVICE EQUIPMENT. SEE FOOD SERVICE / ELECTRICAL / MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS AND ADDITIONAL NOTES AND INFORMATION.
27. PLUMBING FIXTURE. SEE INTERIOR DESIGN AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
28. ELECTRICAL / AV FLOOR BOX. SEE ELECTRICAL AND AV DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
29. GAMING MACHINES / EQUIPMENT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
30. DOOR - SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
31. DECORATIVE ACCESS CONTROL GATE WITH PANIC HARDWARE. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
32. DECORATIVE FIN AND LIGHTING FEATURE. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
33. ACOUSTIC FOLDING DOOR SYSTEM - BASIS OF DESIGN TO BE SKYFOLD 60 CLASSIC SERIES
34. DECORATIVE COLUMN WRAP. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
35. SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. SEE DETAIL 1/A9.00.0 FOR ADDITIONAL INFORMATION. MAINTAIN WALL RATINGS AT CABINET AND PROVIDE SHOP DRAWINGS FOR REVIEW.
36. SEMI-RECESSED STANDPIPE / HOSE CABINET. SEE DETAIL 3/A9.00.0 FOR ADDITIONAL INFORMATION. MAINTAIN WALL RATINGS AT CABINET AND PROVIDE SHOP DRAWINGS FOR REVIEW.
37. DIAMOND PLATE WAINSCOT WITH WALL / CORNER GUARDS IN ALL B.O.H. CORRIDORS. SEE DETAIL 5/A9.00.0 FOR ADDITIONAL INFORMATION.
38. WALL / COLUMN MOUNTED TV OR CEILING / POLE MOUNTED TV. SEE INTERIOR DESIGN, ELECTRICAL AND A/V DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE BACKING AND SUPPORT AS REQUIRED.
39. MILLWORK. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION. BACKING REQUIREMENTS TO BE VERIFIED.
40. HIGH PRESSURE WASH SYSTEM AT CAN WASH. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
41. FLOOR DRAIN. SEE PLUMBING FOR ADDITIONAL NOTES AND INFORMATION.
42. TRENCH DRAIN. SEE DETAIL 7/A9.00.0 AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
43. JANITOR / MOP SINK. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
44. HAND SINK - SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
45. FLOOR SINK - SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
46. FOOD SERVICE TROUGH DRAIN. SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
47. DRINKING FOUNTAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
48. DOCK BUMPER. SEE DETAIL 4/A9.00.1 FOR ADDITIONAL INFORMATION.
49. DOCK LEVELER.
50. CANOPY / OVERHANG / STRUCTURE ABOVE.
51. ELECTRICAL PANEL. SEE DETAIL 2/A9.00.0 AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
52. AUTOMATIC DOOR OPERATOR. SEE DOOR SCHEDULE AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
53. LIGHT FIXTURE. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
54. CONCRETE BOLLARD. SEE DETAIL 8/9.00.0.
55. OPERABLE WALL PARTITION. PROVIDE A MINIMUM 3'-0" WIDE DOOR WHERE SHOWN ON PLANS. DOOR SHALL MEET ALL CODES AND ORDINANCES FOR EGRESS AND ACCESSIBILITY. REFER TO SHOP DRAWINGS FOR ADDITIONAL NOTES, INFORMATION AND STRUCTURAL REQUIREMENTS. SEE STRUCTURAL DRAWINGS FOR SUPPORT STEEL NOTES AND INFORMATION. SEE INTERIOR DESIGN DRAWINGS FOP FINISH NOTES AND INFORMATION.
56. OPERABLE WALL PARTITION POCKET DOOR. REFER DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
57. ROLL-DOWN OVERHEAD INSULATED DOOR WITH TOP MOUNT MOTOR. KEY SWITCH LOCATED ON EACH SIDE OF DOOR. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW BY ARCHITECT PRIOR TO FABRICATION. VERIFY AND COORDINATE ELECTRICAL AND STRUCTURAL REQUIREMENTS. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
58. BI-FOLD VISION DOOR SYSTEM. BASIS OF DESIGN IS CROWN INCORPORATED SST-II HYDRAULIC BI-FOLD SYSTEM. VERIFY AND COORDINATE ELECTRICAL, HYDRAULIC AND STRUCTURAL REQUIREMENTS. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
59. BI-FOLD SOLID PANEL DOOR SYSTEM. BASIS OF DESIGN IS CROWN INCORPORATED SST-II HYDRAULIC BI-FOLD SYSTEM.VERIFY AND COORDINATE ELECTRICAL, HYDRAULIC AND STRUCTURAL REQUIREMENTS. PANELS ARE TO BE ACOUSTIC PANELS WITH PANEL FINISHES TO BE SELECTED BY INTERIOR DESIGNER.CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
60. CONCRETE PAN FILLED STAIRS. SEE ENLARGED PLANS AND SECTIONS, SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
61. 1-1/2" DIA. GUARDRAIL AT 42" MIN. ABOVE FINISHED FLOOR. SEE SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
62. 1-1/2" DIA. HANDRAILS AT 34" MIN. ABOVE FINISHED FLOOR. SEE SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
63. OPEN GRATE STEEL STAIR AND LANDING. SEE ENLARGED PLANS AND SECTIONS, SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
64. POURED IN PLACE REINFORCED CONCRETE STAIRS. SEE ENLARGED PLANS AND SECTIONS, AND SHEET A9.06.1 FOR ADDITIONAL NOTES AND INFORMATION.
65. RAMP. SEE ENLARGED PLANS AND SECTIONS FOR ADDITIONAL INFORMATION.
66. 10'-0" HIGH CHAIN LINK FENCE.
67. POCKET DOOR. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
68. LOCKERS. SEE SHEET A6.00.3 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
69. OSHA COMPLIANT LADDER. SEE DETAIL 4/A9.07.0
70. B.O.H. MILLWORK FURNISHINGS AND EQUIPMENT. SEE A6.00.0 SERIES SHEETS FOR ENLARGED PLANS, ELEVATIONS, DETAILS AND ADDITIONAL NOTES AND INFORMATION.
71. EXTERIOR STOREFRONT WINDOW SYSTEM. SEE A0.03.0 SERIES SHEETS FOR ELEVATIONS AND INDICATION OF SPANDREL GLASS AND VISION GLASS LOCATION(S), AND ADDITIONAL NOTES AND INFORMATION.
72. INTERIOR STOREFRONT WINDOW SYSTEM. SEE A0.03.0 SERIES SHEETS FOR ELEVATIONS AND ADDITIONAL NOTES / INFORMATION.
73. STOREFRONT DOOR SYSTEM. SEE DOOR SCHEDULE, DOOR ELEVATIONS, AND A0.03.0 SERIES SHEETS FOR ADDITIONAL NOTES AND INFORMATION.
74. WINDOW SYSTEM WITH PASS THROUGH AND SPEAK HOLE. SEE SHEET A0.03.3 FOR ELEVATION AND ADDITIONAL NOTES / INFORMATION.
75. FRAMELESS GLASS STOREFRONT SYSTEM. SEE DOOR SCHEDULE AND SHEET A0.03.0 FOR ELEVATION AND ADDITIONAL NOTES / INFORMATION.
76. AUTOMATIC SLIDING DOOR SYSTEM WITH BREAKAWAY EMERGENCY EXIT PANELS. SEE DOOR SCHEDULE AND AND SHEET A0.02.2 FOR ADDITIONAL NOTES AND INFORMATION. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
77. EXTERIOR EXPANSION JOINT. SEE SHEET A9.03.0 FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
78. INTERIOR EXPANSION JOINT / COVER. SEE SHEETS A9.03.0 FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
79. SIGNAGE. REFER TO SIGN CONTRACTOR FOR FINAL SIZE, ATTACHMENT AND POWER REQUIREMENTS. CONTRACTOR TO PROVIDE BACKING AS REQUIRED BY SIGNAGE SHOP DRAWINGS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO COORDINATE WITH OWNER, SIGN CONTRACTOR AND HIS SUBCONTRACTORS FOR FINAL DESIGN, INSTALLATION AND CONSTRUCTION OF SIGNAGE DEVICES.
80. GAS CONNECTOR. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
81. ELEVATOR. SEE ENLARGED PLANS AND SECTIONS FOR ADDITIONAL INFORMATION. RE: MECHANICAL, ELECTRICAL AND SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS AND NOTES / INFORMATION.
82. ELEVATOR CONTROL UNIT. SEE ELECTRICAL DRAWINGS AND SHOP DRAWINGS FOR ADDITIONAL NOTES, INFORMATION AND REQUIREMENTS.
83. GREEN SCREEN TRELLIS PANEL. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
84. DECORATIVE SECURITY GRILL. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
85. EMPLOYEE MEAL ORDERING KIOSKS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. OWNER PROVIDED, CONTRACTOR INSTALLED.
86. SIDEWALK. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
87. FINISH GRADE. SEE CIVIL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
88. LANDSCAPE AREA. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
89. PLANTER DRAIN. SEE PLUMBING AND LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. REFER TO LANDSCAPE DRAWINGS FOR FINAL LOCATION(S).
90. PLANTER. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
91. DECORATIVE CONCRETE SIDEWALK / PAVING. SEE LANDSCAPE AND CIVIL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
92. HEATED CONCRETE SIDEWALK / PAVING. SEE LANDSCAPE, CIVIL AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
93. TUBE STEEL SUPPORT COLUMNS TO BE WRAPPED WITH 5/8" GYPSUM BOARD FOR FIRE PROOFING.
94. METAL GATE. SEE DOOR SCHEDULE AND SHEET A0.02.2 FOR ADDITIONAL NOTES AND INFORMATION.
95. DECORATIVE METAL FENCE. SEE SHEET A9.09.2 FOR ELEVATION AND ADDITIONAL NOTES AND INFORMATION.
96. P.O.S. LOCATION. SEE ELECTRICAL AND TELECOM DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
97. ACCESSIBLE MILLWORK COUNTER LOCATION. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
98. B.O.H. CORNER GUARDS, INSTALL UP TO 48" A.F.F.
99. KITCHEN / FOOD SERVICE AREA STAINLESS STAINLESS STEEL CORNER GUARDS UP TO 48" A.F.F. - SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
100. PASS-THRU WINDOW. SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION.
101. WINE DISPLAY UNIT. SEE INTERIOR DESIGN, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
102. MILLWORK, BOOTHS, FURNITURE, COUNTERS, DISPLAY, ARTWORK, BANQUETTE, STORAGE UNITS, ACCESSORIES, AND PUBLIC RESTROOM FIXURES / ACCESSORIES, ETC. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR FINISHES AND ADDITIONAL NOTES AND INFORMATION. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO ANY PROCUREMENT OR FABRICATION. BACKING REQUIREMENTS FOR MOUNTING OF ALL ITEMS TO BE DESIGNED AND ENGINEERED BY CONTRACTOR AND SUBMITTED AS A SHOP DRAWING FOR APPROVAL.
103. DECORATIVE WALL SCONCES. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
104. WALL FINISH. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR FINISH INFORMATION, INSTALLATION REQUIREMENTS AND ADDITIONAL NOTES AND INFORMATION.
105. BAR TOP GAMING DEVICE. SEE INTERIOR DESIGN DRAWINGS FOR MILLWORK DETAILS AND ADDITIONAL NOTES. SEE ALSO ELECTRICAL AND TELECOM DRAWINGS.
106. MILLWORK BAR DIE AND TOP / MILLWORK BACKBAR. SEE INTERIOR DESIGN DRAWINGS FOR DETAILS, FINISHES AND ADDITIONAL NOTES AND INFORMATION.
107. MILLWORK HOSTESS STATION. SEE INTERIOR DESIGN DRAWINGS FOR DETAILS, FINISHES AND ADDITIONAL NOTES AND INFORMATION.
108. ACCESSIBLE COUNTER / BAR TOP GAMING LOCATION. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SEE ALSO ELECTRICAL AND TELECOM.
109. RAISED PLATFORM WITH EDGE LIGHTING. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND NOTES.
110. PHOTO BOOTH. SEE INTERIOR DESIGN AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
111. CUSTOM ACOUSTIC PANEL PIVOT DOORS WITH LIGHT FEATURE. SEE INTERIOR DESIGN, ELECTRICAL AND LIGHTING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
112. "INDUSTRIAL WINDOW" GLASS AND METAL WALL. SEE INTERIOR DESIGN DRAWINGS FOR FINISH INFORMATION AND ADDITIONAL NOTES AND INFORMATION. PROVIDE STRUCTURAL SUPPORT AS REQUIRED.
113. CUSTOM ACOUSTIC PANEL TOP HINGED BI-FOLD COUNTER-TOP DOOR. SEE INTERIOR DESIGN DRAWINGS FOR FINISH AND ADDITIONAL NOTES AND INFORMATION. SEE ALSO STRUCTURAL DRAWINGS FOR SUPPORT INFORMATION.
114. ACOUSTIC PANEL WALL. SEE INTERIOR DESIGN FOR FINISH INFORMATION AND ADDTIONAL NOTES AND INFORMATION.
115. ACOUSTIC SOUND ISOLATION WALL SYSTEM. BASIS OF DESIGN: KINETICS ISOMAX RESILIENT SOUND ISOLATION CLIP SYSTEM OVER METAL STUD WALL SYSTEM. SEE SHEET A9.00.1 FOR ADDITIONAL NOTES AND INFORMATION.
116. DOUBLE ACTING SWING DOOR. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
117. GLASS BLOCK TILE WALL. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
118. DECORATIVE METAL SCREEN / LATTICE. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATION FOR ADDITIONAL NOTES AND INFORMATION.
119. DECORATIVE MILLWORK SCREEN. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
120. B.O.H. SECURITY GRILL. SEE SHEET A6.00.1 FOR ADDITIONAL INFORMATION.
121. SECURED PASS-THRU UNIT. SEE SHEET A6.00.1 FOR ADDITIONAL INFORMATION.
122. B.O.H. OFFICE FURNITURE / EQUIPMENT. OWNER PROVIDED AND INSTALLED.
123. SURVEILLANCE / SECURITY EQUIPMENT AND DISPLAYS. SEE SURVEILLANCE / SECURITY, ELECTRICAL/ LOW VOLTAGE AND A/V DRAWINGS FOR ADDITIONAL REQUIREMENTS, INFORMATION AND NOTES.
124. BUILT-UP CONCRETE STAIRS. SEE ENLARGED PLANS AND SECTIONS, AND SHEET A9.06.1 FOR ADDITIONAL NOTES AND INFORMATION.
125. METAL COLUMN WRAP.

RIVERS CASINO
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REGISTERED ARCHITECT John R. Klai STATE OF NEW YORK 024141

KJA Job Number: 14012

ISSUED/REVISED

NO:	DESCRIPTION	DATE:
	ISSUE FOR CONSTRUCTION	11-25-15

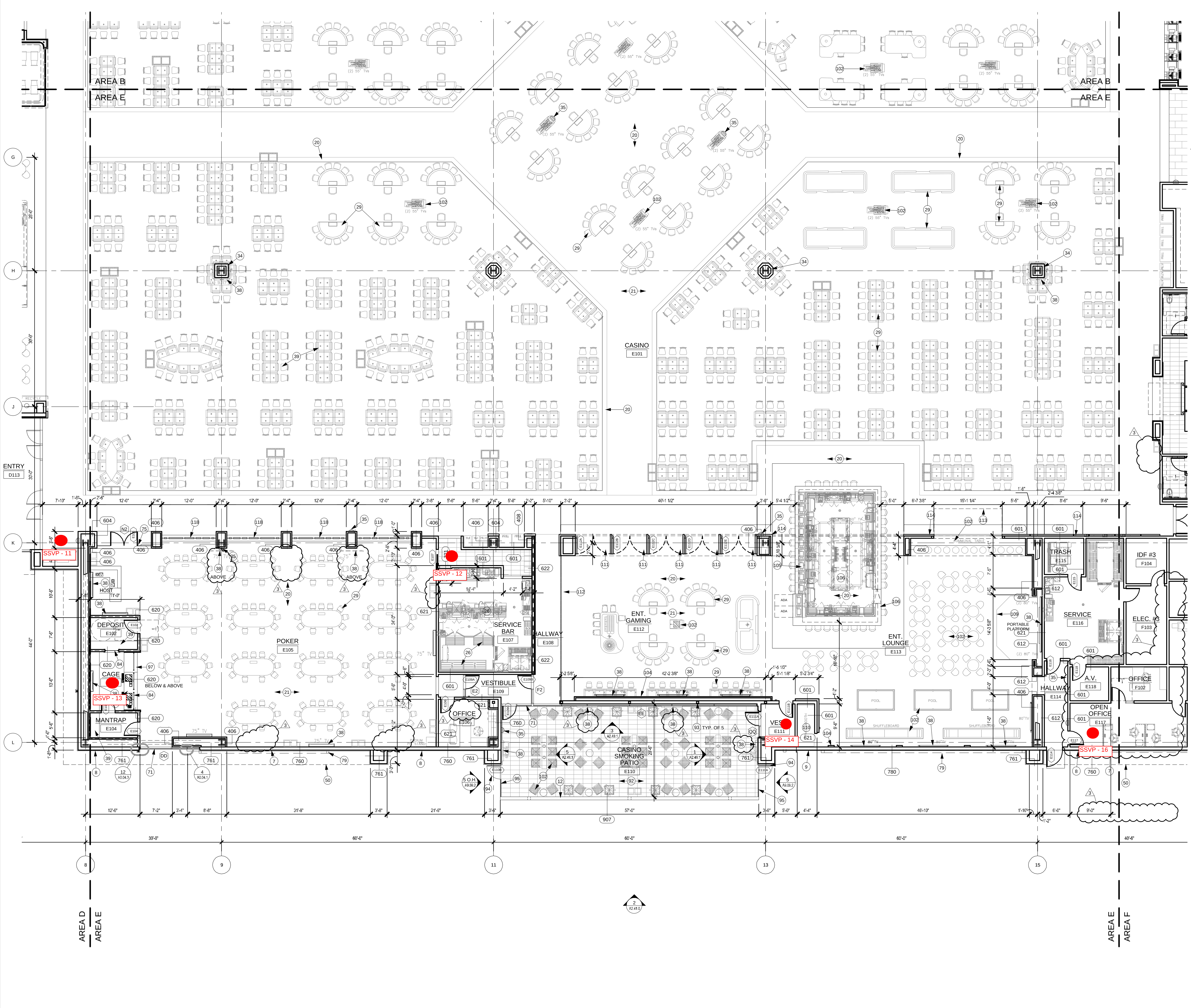
A B C
D E F

KEY PLAN

FLOOR PLAN
AREA D
LEVEL 1

LOW RISE

A1.01.D



1 FLOOR PLAN - AREA E - LEVEL 1

1/8" = 1'-0"

PLAN NORTH

KEY NOTES: FLOOR PLANS

SEE SHEET A0.00.2 FOR GENERAL NOTES, TYPICAL SYMBOLS DEFFERED SUBMITTAL INFORMATION, AND ABBREVIATIONS

1. STEEL COLUMN / BRACE FRAMINIG / HSS COLUMN WITH SPRAY APPLIED FIREPROOFING. REFER TO STRUCTURAL DRAWINGS AND FIRE PROTECTION REPORT FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS INDICATING FIREPROOFING THICKNESS AND RELATED DETAILS TO SYSTEM BEING USED.
2. HSS COLUMN FOR ROLL DOWN DOOR / BI-FOLD DOOR / OPERABLE PARTITION WALL SYSTEM. SEE PLANS FOR LOCATIONS. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SEE SHOP DRAWINGS FOR EXACT LOCATION.
3. CONCRETE COLUMN - NOT UNDER THIS SUBMITTAL. SEE GARAGE DRAWINGS FOR SIZES, NOTES AND ADDITIONAL INFORMATION.
4. CONCRETE WALL. SEE PLANS AND WALL TYPE SHEET FOR ADDITIONAL INFORMATION. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTE AND INFORMATION.
5. CMU WALL. SEE PLANS AND WALL TYPE SHEET FOR ADDITIONAL INFORMATION. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
6. METAL STUD FRAMING. SEE WALL TYPE SHEET AND PLANS FOR ADDITIONAL NOTES AND INFORMATION.
7. COMPOSITE METAL PANEL SYSTEM OVER METAL STUD FRAMING SYSTEM. SEE PLANS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPE.
8. RIBBED METAL PANEL SYSTEM OVER METAL STUD FRAMING SYSTEM.SEE SHEET A9.05.0, PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
9. STONE VENEER THIN SET OVER METAL STUD FRAMING SYSTEM. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
10. STONE VENEER THIN SET OVER MORTAR SETTING BED ON TOP OF CONCRETE WALL. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
11. STONE EXTERIOR CLADDING ATTACHMENT SYSTEM OVER METAL STUD FRAMING SYSTEM. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
12. STONE EXTERIOR CLADDING APPLIED OVER MORTAR SETTING BED ON TOP OF CONCRETE WALL. SEE PLANS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPE.
13. TEMPERED GLASS GUARDRAIL SYSTEM ON TOP OF CONCRETE WALL. SEE PLANS AND WALL SECTIONS FOR ADDITIONAL NOTES AND INFORMATION.
14. EXTERIOR STOREFRONT GUARDRAIL / PRIVACY SYSTEM ON TOP OF CONCRETE WALL. SEE PLANS, SECTIONS AND A0.03.0 SERIES SHEETS FOR ADDITIONAL NOTES AND INFORMATION.
15. CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND CRUSHED ROCK. SEE STRUCTURAL DRAWINGS AND SOILS REPORT FOR ADDITIONAL NOTES AND INFORMATION.
16. CONCRETE OVER METAL DECK. SLAB TO HAVE A MINIMUM 2 HOUR RATING. U.L. DESIGN - D916. REF. TO STRUCT. DWG'S. FOR ADDITIONAL NOTES AND INFORMATION.
17. BUILT-UP FLOOR SYSTEM: CONCRETE SLAB OVER METAL DECK AND METAL STUD FRAMING. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
18. CONCRETE SLAB OVER STRUCTURAL FOAM. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
19. PATIO AREA CONCRETE SLAB ON GRADE - SLOPE TO DRAIN. SEE I.D. FOR ADDITIONAL FINISH MATERIAL NOTES AND INFORMATION.
20. FINISHED FLOOR MATERIAL. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
21. 24"x 24" ACCESS FLOORING SYSTEM. BASIS OF DESIGN: TATE ACCESS FLOORS "CONCORE 2000". SEE SLAB PLANS AND SHEET A9.01.0 FOR ADDITIONAL NOTES AND INFORMATION.
22. ELECTRICAL EQUIPMENT. SEE: ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
23. MECHANICAL EQUIPMENT. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
24. PLUMBING EQUIPMENT. SEE: PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
25. CONCRETE EQUIPMENT PAD. VERIFY LAYOUT, THICKNESS AND SIZE REQUIREMENS WITH EQUIPMENT MANUFACTURER. SEE ELECTRICAL / MECHANICAL / ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
26. FOOD SERVICE EQUIPMENT. SEE FOOD SERVICE / ELECTRICAL / MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS AND ADDITIONAL NOTES AND INFORMATION.
27. PLUMBING FIXTURE. SEE INTERIOR DESIGN AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
28. ELECTRICAL / AV FLOOR BOX. SEE ELECTRICAL AND AV DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
29. GAMING MACHINES / EQUIPMENT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
30. DOOR - SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
31. DECORATIVE ACCESS CONTROL GATE WITH PANIC HARDWARE. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
32. DECORATIVE FIN AND LIGHTING FEATURE. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
33. ACOUSTIC FOLDING DOOR SYSTEM - BASIS OF DESIGN TO BE SKYFOLD 60 CLASSIC SERIES
34. DECORATIVE COLUMN WRAP. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
35. SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. SEE DETAIL 1/A9.00.0 FOR ADDITIONAL INFORMATION. MAINTAIN WALL RATINGS AT CABINET AND PROVIDE SHOP DRAWINGS FOR REVIEW.
36. SEMI-RECESSED STANDPIPE / HOSE CABINET. SEE DETAIL 3/A9.00.0 FOR ADDITIONAL INFORMATION. MAINTAIN WALL RATINGS AT CABINET AND PROVIDE SHOP DRAWINGS FOR REVIEW.
37. DIAMOND PLATE WAINSCOT WITH WALL / CORNER GUARDS IN ALL B.O.H. CORRIDORS. SEE DETAIL 5/A9.00.0 FOR ADDITIONAL INFORMATION.
38. WALL / COLUMN MOUNTED TV OR CEILING / POLE MOUNTED TV. SEE INTERIOR DESIGN, ELECTRICAL AND A/V DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE BACKING AND SUPPORT AS REQUIRED.
39. MILLWORK. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION. BACKING REQUIREMENTS TO BE VERIFIED.
40. HIGH PRESSURE WASH SYSTEM AT CAN WASH. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
41. FLOOR DRAIN. SEE PLUMBING FOR ADDITIONAL NOTES AND INFORMATION.
42. TRENCH DRAIN. SEE DETAIL 7/A9.00.0 AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
43. JANITOR / MOP SINK. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
44. HAND SINK - SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
45. FLOOR SINK - SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
46. FOOD SERVICE TROUGH DRAIN. SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
47. DRINKING FOUNTAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
48. DOCK BUMPER. SEE DETAIL 4/A9.00.1 FOR ADDITIONAL INFORMATION.
49. DOCK LEVELER.
50. CANOPY / OVERHANG / STRUCTURE ABOVE.
51. ELECTRICAL PANEL. SEE DETAIL 2/A9.00.0 AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
52. AUTOMATIC DOOR OPERATOR. SEE DOOR SCHEDULE AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
53. LIGHT FIXTURE. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
54. CONCRETE BOLLARD. SEE DETAIL 8/9.00.0.
55. OPERABLE WALL PARTITION. PROVIDE A MINIMUM 3'-0" WIDE DOOR WHERE SHOWN ON PLANS. DOOR SHALL MEET ALL CODES AND ORDINANCES FOR EGRESS AND ACCESSIBILITY. REFER TO SHOP DRAWINGS FOR ADDITIONAL NOTES, INFORMATION AND STRUCTURAL REQUIREMENTS. SEE STRUCTURAL DRAWINGS FOR SUPPORT STEEL NOTES AND INFORMATION. SEE INTERIOR DESIGN DRAWINGS FOP FINISH NOTES AND INFORMATION.
56. OPERABLE WALL PARTITION POCKET DOOR. REFER DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
57. ROLL-DOWN OVERHEAD INSULATED DOOR WITH TOP MOUNT MOTOR. KEY SWITCH LOCATED ON EACH SIDE OF DOOR. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW BY ARCHITECT PRIOR TO FABRICATION. VERIFY AND COORDINATE ELECTRICAL AND STRUCTURAL REQUIREMENTS. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
58. BI-FOLD VISION DOOR SYSTEM. BASIS OF DESIGN IS CROWN INCORPORATED SST-II HYDRAULIC BI-FOLD SYSTEM. VERIFY AND COORDINATE ELECTRICAL, HYDRAULIC AND STRUCTURAL REQUIREMENTS. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
59. BI-FOLD SOLID PANEL DOOR SYSTEM. BASIS OF DESIGN IS CROWN INCORPORATED SST-II HYDRAULIC BI-FOLD SYSTEM.VERIFY AND COORDINATE ELECTRICAL, HYDRAULIC AND STRUCTURAL REQUIREMENTS. PANELS ARE TO BE ACOUSTIC PANELS WITH PANEL FINISHES TO BE SELECTED BY INTERIOR DESIGNER.CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
60. CONCRETE PAN FILLED STAIRS. SEE ENLARGED PLANS AND SECTIONS, SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
61. 1-1/2" DIA. GUARDRAIL AT 42" MIN. ABOVE FINISHED FLOOR. SEE SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
62. 1-1/2" DIA. HANDRAILS AT 34" MIN. ABOVE FINISHED FLOOR. SEE SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
63. OPEN GRATE STEEL STAIR AND LANDING. SEE ENLARGED PLANS AND SECTIONS, SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
64. POURED IN PLACE REINFORCED CONCRETE STAIRS. SEE ENLARGED PLANS AND SECTIONS, AND SHEET A9.06.1 FOR ADDITIONAL NOTES AND INFORMATION.
65. RAMP. SEE ENLARGED PLANS AND SECTIONS FOR ADDITIONAL INFORMATION.
66. 10'-0" HIGH CHAIN LINK FENCE.
67. POCKET DOOR. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
68. LOCKERS. SEE SHEET A6.00.3 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
69. OSHA COMPLIANT LADDER. SEE DETAIL 4/A9.07.0
70. B.O.H. MILLWORK FURNISHINGS AND EQUIPMENT. SEE A6.00.0 SERIES SHEETS FOR ENLARGED PLANS, ELEVATIONS, DETAILS AND ADDITIONAL NOTES AND INFORMATION.
71. EXTERIOR STOREFRONT WINDOW SYSTEM. SEE A0.03.0 SERIES SHEETS FOR ELEVATIONS AND INDICATION OF SPANDREL GLASS AND VISION GLASS LOCATION(S), AND ADDITIONAL NOTES AND INFORMATION.
72. INTERIOR STOREFRONT WINDOW SYSTEM. SEE A0.03.0 SERIES SHEETS FOR ELEVATIONS AND ADDITIONAL NOTES / INFORMATION.
73. STOREFRONT DOOR SYSTEM. SEE DOOR SCHEDULE, DOOR ELEVATIONS, AND A0.03.0 SERIES SHEETS FOR ADDITIONAL NOTES AND INFORMATION.
74. WINDOW SYSTEM WITH PASS THROUGH AND SPEAK HOLE. SEE SHEET A0.03.3 FOR ELEVATION AND ADDITIONAL NOTES / INFORMATION.
75. FRAMELESS GLASS STOREFRONT SYSTEM. SEE DOOR SCHEDULE AND SHEET A0.03.0 FOR ELEVATION AND ADDITIONAL NOTES / INFORMATION.
76. AUTOMATIC SLIDING DOOR SYSTEM WITH BREAKAWAY EMERGENCY EXIT PANELS. SEE DOOR SCHEDULE AND AND SHEET A0.02.2 FOR ADDITIONAL NOTES AND INFORMATION. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
77. EXTERIOR EXPANSION JOINT. SEE SHEET A9.03.0 FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
78. INTERIOR EXPANSION JOINT / COVER. SEE SHEETS A9.03.0 FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
79. SIGNAGE. REFER TO SIGN CONTRACTOR FOR FINAL SIZE, ATTACHMENT AND POWER REQUIREMENTS. CONTRACTOR TO PROVIDE BACKING AS REQUIRED BY SIGNAGE SHOP DRAWINGS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO COORDINATE WITH OWNER, SIGN CONTRACTOR AND HIS SUBCONTRACTORS FOR FINAL DESIGN, INSTALLATION AND CONSTRUCTION OF SIGNAGE DEVICES.
80. GAS CONNECTOR. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
81. ELEVATOR. SEE ENLARGED PLANS AND SECTIONS FOR ADDITIONAL INFORMATION. RE: MECHANICAL, ELECTRICAL AND SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS AND NOTES / INFORMATION.
82. ELEVATOR CONTROL UNIT. SEE ELECTRICAL DRAWINGS AND SHOP DRAWINGS FOR ADDITIONAL NOTES, INFORMATION AND REQUIREMENTS.
83. GREEN SCREEN TRELLIS PANEL. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
84. DECORATIVE SECURITY GRILL. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
85. EMPLOYEE MEAL ORDERING KIOSKS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. OWNER PROVIDED, CONTRACTOR INSTALLED.
86. SIDEWALK. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
87. FINISH GRADE. SEE CIVIL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
88. LANDSCAPE AREA. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
89. PLANTER DRAIN. SEE PLUMBING AND LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. REFER TO LANDSCAPE DRAWINGS FOR FINAL LOCATION(S).
90. PLANTER. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
91. DECORATIVE CONCRETE SIDEWALK / PAVING. SEE LANDSCAPE AND CIVIL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
92. HEATED CONCRETE SIDEWALK / PAVING. SEE LANDSCAPE, CIVIL AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
93. TUBE STEEL SUPPORT COLUMNS TO BE WRAPPED WITH 5/8" GYPSUM BOARD FOR FIRE PROOFING.
94. METAL GATE. SEE DOOR SCHEDULE AND SHEET A0.02.2 FOR ADDITIONAL NOTES AND INFORMATION.
95. DECORATIVE METAL FENCE. SEE SHEET A9.09.2 FOR ELEVATION AND ADDITIONAL NOTES AND INFORMATION.
96. P.O.S. LOCATION. SEE ELECTRICAL AND TELECOM DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
97. ACCESSIBLE MILLWORK COUNTER LOCATION. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
98. B.O.H. CORNER GUARDS, INSTALL UP TO 48" A.F.F.
99. KITCHEN / FOOD SERVICE AREA STAINLESS STAINLESS STEEL CORNER GUARDS UP TO 48" A.F.F. - SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
100. PASS-THRU WINDOW. SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION.
101. WINE DISPLAY UNIT. SEE INTERIOR DESIGN, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
102. MILLWORK, BOOTHS, FURNITURE, COUNTERS, DISPLAY, ARTWORK, BANQUETTE, STORAGE UNITS, ACCESSORIES, AND PUBLIC RESTROOM FIXURES / ACCESSORIES, ETC. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR FINISHES AND ADDITIONAL NOTES AND INFORMATION. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO ANY PROCUREMENT OR FABRICATION. BACKING REQUIREMENTS FOR MOUNTING OF ALL ITEMS TO BE DESIGNED AND ENGINEERED BY CONTRACTOR AND SUBMITTED AS A SHOP DRAWING FOR APPROVAL.
103. DECORATIVE WALL SCONCES. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
104. WALL FINISH. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR FINISH INFORMATION, INSTALLATION REQUIREMENTS AND ADDITIONAL NOTES AND INFORMATION.
105. BAR TOP GAMING DEVICE. SEE INTERIOR DESIGN DRAWINGS FOR MILLWORK DETAILS AND ADDITIONAL NOTES. SEE ALSO ELECTRICAL AND TELECOM DRAWINGS.
106. MILLWORK BAR DIE AND TOP / MILLWORK BACKBAR. SEE INTERIOR DESIGN DRAWINGS FOR DETAILS, FINISHES AND ADDITIONAL NOTES AND INFORMATION.
107. MILLWORK HOSTESS STATION. SEE INTERIOR DESIGN DRAWINGS FOR DETAILS, FINISHES AND ADDITIONAL NOTES AND INFORMATION.
108. ACCESSIBLE COUNTER / BAR TOP GAMING LOCATION. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SEE ALSO ELECTRICAL AND TELECOM.
109. RAISED PLATFORM WITH EDGE LIGHTING. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND NOTES.
110. PHOTO BOOTH. SEE INTERIOR DESIGN AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
111. CUSTOM ACOUSTIC PANEL PIVOT DOORS WITH LIGHT FEATURE. SEE INTERIOR DESIGN, ELECTRICAL AND LIGHTING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
112. "INDUSTRIAL WINDOW" GLASS AND METAL WALL. SEE INTERIOR DESIGN DRAWINGS FOR FINISH INFORMATION AND ADDITIONAL NOTES AND INFORMATION. PROVIDE STRUCTURAL SUPPORT AS REQUIRED.
113. CUSTOM ACOUSTIC PANEL TOP HINGED BI-FOLD COUNTER-TOP DOOR. SEE INTERIOR DESIGN DRAWINGS FOR FINISH AND ADDITIONAL NOTES AND INFORMATION. SEE ALSO STRUCTURAL DRAWINGS FOR SUPPORT INFORMATION.
114. ACOUSTIC PANEL WALL. SEE INTERIOR DESIGN FOR FINISH INFORMATION AND ADDTIONAL NOTES AND INFORMATION.
115. ACOUSTIC SOUND ISOLATION WALL SYSTEM. BASIS OF DESIGN: KINETICS ISOMAX RESILIENT SOUND ISOLATION CLIP SYSTEM OVER METAL STUD WALL SYSTEM. SEE SHEET A9.00.1 FOR ADDITIONAL NOTES AND INFORMATION.
116. DOUBLE ACTING SWING DOOR. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
117. GLASS BLOCK TILE WALL. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
118. DECORATIVE METAL SCREEN / LATTICE. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATION FOR ADDITIONAL NOTES AND INFORMATION.
119. DECORATIVE MILLWORK SCREEN. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
120. B.O.H. SECURITY GRILL. SEE SHEET A6.00.1 FOR ADDITIONAL INFORMATION.
121. SECURED PASS-THRU UNIT. SEE SHEET A6.00.1 FOR ADDITIONAL INFORMATION.
122. B.O.H. OFFICE FURNITURE / EQUIPMENT. OWNER PROVIDED AND INSTALLED.
123. SURVEILLANCE / SECURITY EQUIPMENT AND DISPLAYS. SEE SURVEILLANCE / SECURITY, ELECTRICAL/ LOW VOLTAGE AND A/V DRAWINGS FOR ADDITIONAL REQUIREMENTS, INFORMATION AND NOTES.
124. BUILT-UP CONCRETE STAIRS. SEE ENLARGED PLANS AND SECTIONS, AND SHEET A9.06.1 FOR ADDITIONAL NOTES AND INFORMATION.
125. METAL COLUMN WRAP.

RIVERS CASINO SCHENECTADY

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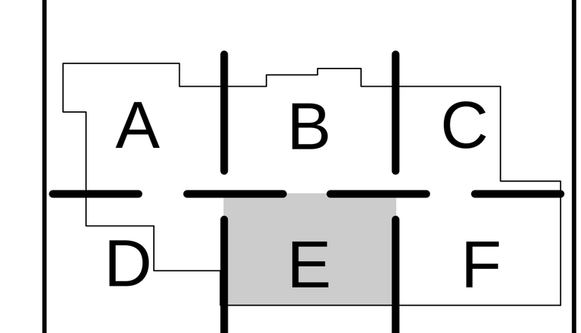
ISSUED/REVISED

NO:	DESCRIPTION	DATE:
	ISSUE FOR CONSTRUCTION	11-25-15
1	REVIEW COMMENTS	01-28-16
3	GENERAL REVISION	03-18-16

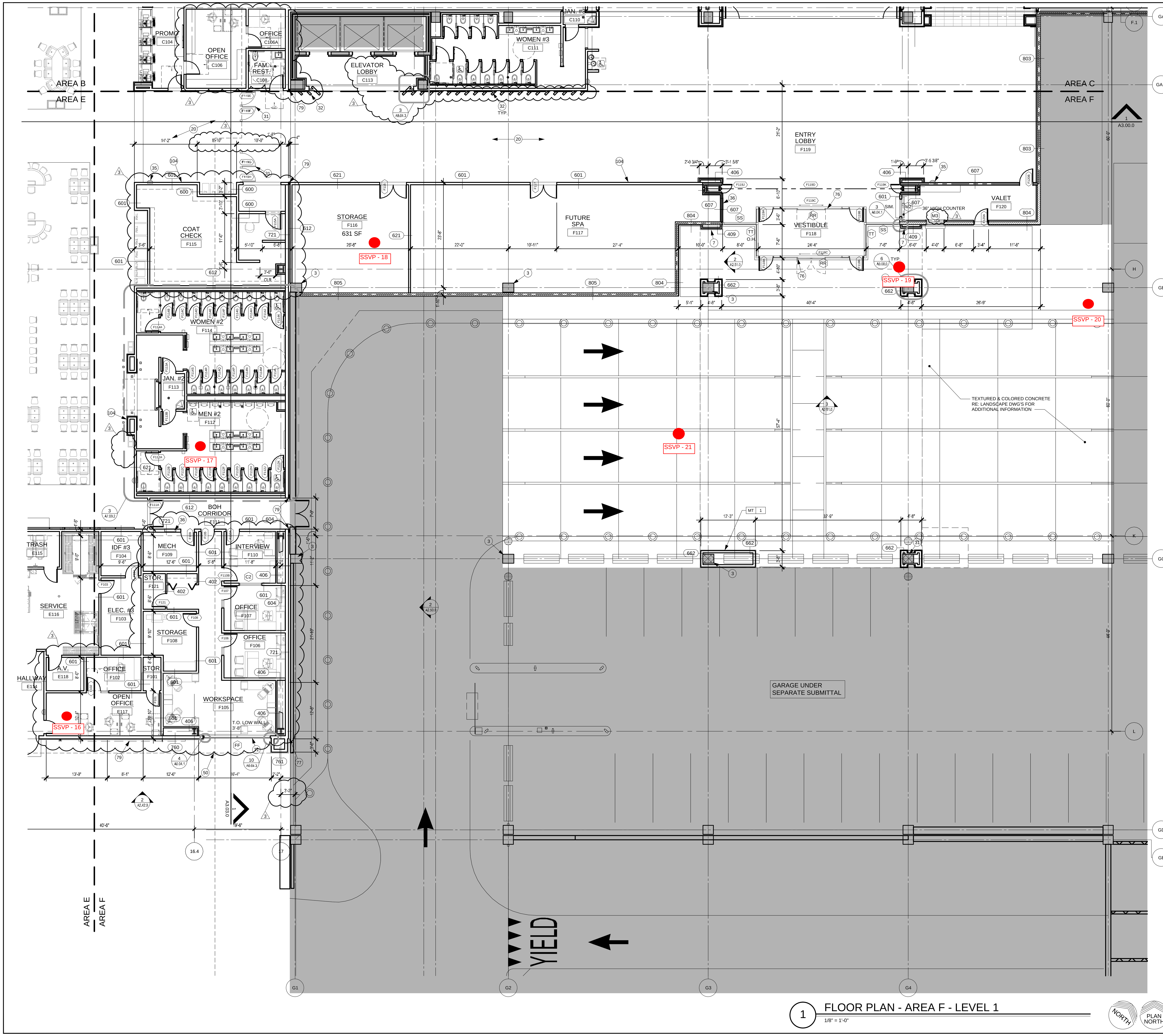


KEY PLAN

FLOOR PLAN
AREA E
LEVEL 1

LOW RISE

A1.01.E



1 FLOOR PLAN - AREA F - LEVEL 1

1/8" = 1'-0"

PLAN NORTH

KEY NOTES: FLOOR PLANS

SEE SHEET A0.00.2 FOR GENERAL NOTES, TYPICAL SYMBOLS DEFFERED SUBMITTAL INFORMATION, AND ABBREVIATIONS

1. STEEL COLUMN / BRACE FRAMINIG / HSS COLUMN WITH SPRAY APPLIED FIREPROOFING. REFER TO STRUCTURAL DRAWINGS AND FIRE PROTECTION REPORT FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS INDICATING FIREPROOFING THICKNESS AND RELATED DETAILS TO SYSTEM BEING USED.
2. HSS COLUMN FOR ROLL DOWN DOOR / BI-FOLD DOOR / OPERABLE PARTITION WALL SYSTEM. SEE PLANS FOR LOCATIONS. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SEE SHOP DRAWINGS FOR EXACT LOCATION.
3. CONCRETE COLUMN - NOT UNDER THIS SUBMITTAL. SEE GARAGE DRAWINGS FOR SIZES, NOTES AND ADDITIONAL INFORMATION.
4. CONCRETE WALL. SEE PLANS AND WALL TYPE SHEET FOR ADDITIONAL INFORMATION. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTE AND INFORMATION.
5. CMU WALL. SEE PLANS AND WALL TYPE SHEET FOR ADDITIONAL INFORMATION. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
6. METAL STUD FRAMING. SEE WALL TYPE SHEET AND PLANS FOR ADDITIONAL NOTES AND INFORMATION.
7. COMPOSITE METAL PANEL SYSTEM OVER METAL STUD FRAMING SYSTEM. SEE PLANS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPE.
8. RIBBED METAL PANEL SYSTEM OVER METAL STUD FRAMING SYSTEM.SEE SHEET A9.05.0, PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
9. STONE VENEER THIN SET OVER METAL STUD FRAMING SYSTEM. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
10. STONE VENEER THIN SET OVER MORTAR SETTING BED ON TOP OF CONCRETE WALL. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
11. STONE EXTERIOR CLADDING ATTACHMENT SYSTEM OVER METAL STUD FRAMING SYSTEM. SEE PLANS AND SECTIONS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPES.
12. STONE EXTERIOR CLADDING APPLIED OVER MORTAR SETTING BED ON TOP OF CONCRETE WALL. SEE PLANS FOR ADDITIONAL NOTES, INFORMATION AND WALL TYPE.
13. TEMPERED GLASS GUARDRAIL SYSTEM ON TOP OF CONCRETE WALL. SEE PLANS AND WALL SECTIONS FOR ADDITIONAL NOTES AND INFORMATION.
14. EXTERIOR STOREFRONT GUARDRAIL / PRIVACY SYSTEM ON TOP OF CONCRETE WALL. SEE PLANS, SECTIONS AND A0.03.0 SERIES SHEETS FOR ADDITIONAL NOTES AND INFORMATION.
15. CONCRETE SLAB ON GRADE OVER VAPOR BARRIER AND CRUSHED ROCK. SEE STRUCTURAL DRAWINGS AND SOILS REPORT FOR ADDITIONAL NOTES AND INFORMATION.
16. CONCRETE OVER METAL DECK. SLAB TO HAVE A MINIMUM 2 HOUR RATING. U.L. DESIGN - D916. REF. TO STRUCT. DWG'S. FOR ADDITIONAL NOTES AND INFORMATION.
17. BUILT-UP FLOOR SYSTEM: CONCRETE SLAB OVER METAL DECK AND METAL STUD FRAMING. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
18. CONCRETE SLAB OVER STRUCTURAL FOAM. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
19. PATIO AREA CONCRETE SLAB ON GRADE - SLOPE TO DRAIN. SEE I.D. FOR ADDITIONAL FINISH MATERIAL NOTES AND INFORMATION.
20. FINISHED FLOOR MATERIAL. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
21. 24"x 24" ACCESS FLOORING SYSTEM. BASIS OF DESIGN: TATE ACCESS FLOORS "CONCORE 2000". SEE SLAB PLANS AND SHEET A9.01.0 FOR ADDITIONAL NOTES AND INFORMATION.
22. ELECTRICAL EQUIPMENT. SEE: ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
23. MECHANICAL EQUIPMENT. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
24. PLUMBING EQUIPMENT. SEE: PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
25. CONCRETE EQUIPMENT PAD. VERIFY LAYOUT, THICKNESS AND SIZE REQUIREMENS WITH EQUIPMENT MANUFACTURER. SEE ELECTRICAL / MECHANICAL / ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
26. FOOD SERVICE EQUIPMENT. SEE FOOD SERVICE / ELECTRICAL / MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS AND ADDITIONAL NOTES AND INFORMATION.
27. PLUMBING FIXTURE. SEE INTERIOR DESIGN AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
28. ELECTRICAL / AV FLOOR BOX. SEE ELECTRICAL AND AV DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
29. GAMING MACHINES / EQUIPMENT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
30. DOOR - SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
31. DECORATIVE ACCESS CONTROL GATE WITH PANIC HARDWARE. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
32. DECORATIVE FIN AND LIGHTING FEATURE. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
33. ACOUSTIC FOLDING DOOR SYSTEM - BASIS OF DESIGN TO BE SKYFOLD 60 CLASSIC SERIES
34. DECORATIVE COLUMN WRAP. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
35. SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. SEE DETAIL 1/A9.00.0 FOR ADDITIONAL INFORMATION. MAINTAIN WALL RATINGS AT CABINET AND PROVIDE SHOP DRAWINGS FOR REVIEW.
36. SEMI-RECESSED STANDPIPE / HOSE CABINET. SEE DETAIL 3/A9.00.0 FOR ADDITIONAL INFORMATION. MAINTAIN WALL RATINGS AT CABINET AND PROVIDE SHOP DRAWINGS FOR REVIEW.
37. DIAMOND PLATE WAINSCOT WITH WALL / CORNER GUARDS IN ALL B.O.H. CORRIDORS. SEE DETAIL 5/A9.00.0 FOR ADDITIONAL INFORMATION.
38. WALL / COLUMN MOUNTED TV OR CEILING / POLE MOUNTED TV. SEE INTERIOR DESIGN, ELECTRICAL AND A/V DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE BACKING AND SUPPORT AS REQUIRED.
39. MILLWORK. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION. BACKING REQUIREMENTS TO BE VERIFIED.
40. HIGH PRESSURE WASH SYSTEM AT CAN WASH. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
41. FLOOR DRAIN. SEE PLUMBING FOR ADDITIONAL NOTES AND INFORMATION.
42. TRENCH DRAIN. SEE DETAIL 7/A9.00.0 AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
43. JANITOR / MOP SINK. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
44. HAND SINK - SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
45. FLOOR SINK - SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
46. FOOD SERVICE TROUGH DRAIN. SEE FOOD SERVICE AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
47. DRINKING FOUNTAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
48. DOCK BUMPER. SEE DETAIL 4/A9.00.1 FOR ADDITIONAL INFORMATION.
49. DOCK LEVELER.
50. CANOPY / OVERHANG / STRUCTURE ABOVE.
51. ELECTRICAL PANEL. SEE DETAIL 2/A9.00.0 AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
52. AUTOMATIC DOOR OPERATOR. SEE DOOR SCHEDULE AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
53. LIGHT FIXTURE. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
54. CONCRETE BOLLARD. SEE DETAIL 8/9.00.0.
55. OPERABLE WALL PARTITION. PROVIDE A MINIMUM 3'-0" WIDE DOOR WHERE SHOWN ON PLANS. DOOR SHALL MEET ALL CODES AND ORDINANCES FOR EGRESS AND ACCESSIBILITY. REFER TO SHOP DRAWINGS FOR ADDITIONAL NOTES, INFORMATION AND STRUCTURAL REQUIREMENTS. SEE STRUCTURAL DRAWINGS FOR SUPPORT STEEL NOTES AND INFORMATION. SEE INTERIOR DESIGN DRAWINGS FOP FINISH NOTES AND INFORMATION.
56. OPERABLE WALL PARTITION POCKET DOOR. REFER DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
57. ROLL-DOWN OVERHEAD INSULATED DOOR WITH TOP MOUNT MOTOR. KEY SWITCH LOCATED ON EACH SIDE OF DOOR. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW BY ARCHITECT PRIOR TO FABRICATION. VERIFY AND COORDINATE ELECTRICAL AND STRUCTURAL REQUIREMENTS. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
58. BI-FOLD VISION DOOR SYSTEM. BASIS OF DESIGN IS CROWN INCORPORATED SST-II HYDRAULIC BI-FOLD SYSTEM. VERIFY AND COORDINATE ELECTRICAL, HYDRAULIC AND STRUCTURAL REQUIREMENTS. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
59. BI-FOLD SOLID PANEL DOOR SYSTEM. BASIS OF DESIGN IS CROWN INCORPORATED SST-II HYDRAULIC BI-FOLD SYSTEM.VERIFY AND COORDINATE ELECTRICAL, HYDRAULIC AND STRUCTURAL REQUIREMENTS. PANELS ARE TO BE ACOUSTIC PANELS WITH PANEL FINISHES TO BE SELECTED BY INTERIOR DESIGNER.CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SEE DOOR SCHEDULE FOR ADDITIONAL NOTES AND INFORMATION.
60. CONCRETE PAN FILLED STAIRS. SEE ENLARGED PLANS AND SECTIONS, SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
61. 1-1/2" DIA. GUARDRAIL AT 42" MIN. ABOVE FINISHED FLOOR. SEE SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
62. 1-1/2" DIA. HANDRAILS AT 34" MIN. ABOVE FINISHED FLOOR. SEE SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
63. OPEN GRATE STEEL STAIR AND LANDING. SEE ENLARGED PLANS AND SECTIONS, SHEET A9.06.0 AND SHOP DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
64. POURED IN PLACE REINFORCED CONCRETE STAIRS. SEE ENLARGED PLANS AND SECTIONS, AND SHEET A9.06.1 FOR ADDITIONAL NOTES AND INFORMATION.
65. RAMP. SEE ENLARGED PLANS AND SECTIONS FOR ADDITIONAL INFORMATION.
66. 10'-0" HIGH CHAIN LINK FENCE.
67. POCKET DOOR. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
68. LOCKERS. SEE SHEET A6.00.3 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
69. OSHA COMPLIANT LADDER. SEE DETAIL 4/A9.07.0
70. B.O.H. MILLWORK FURNISHINGS AND EQUIPMENT. SEE A6.00.0 SERIES SHEETS FOR ENLARGED PLANS, ELEVATIONS, DETAILS AND ADDITIONAL NOTES AND INFORMATION.
71. EXTERIOR STOREFRONT WINDOW SYSTEM. SEE A0.03.0 SERIES SHEETS FOR ELEVATIONS AND INDICATION OF SPANDREL GLASS AND VISION GLASS LOCATION(S), AND ADDITIONAL NOTES AND INFORMATION.
72. INTERIOR STOREFRONT WINDOW SYSTEM. SEE A0.03.0 SERIES SHEETS FOR ELEVATIONS AND ADDITIONAL NOTES / INFORMATION.
73. STOREFRONT DOOR SYSTEM. SEE DOOR SCHEDULE, DOOR ELEVATIONS, AND A0.03.0 SERIES SHEETS FOR ADDITIONAL NOTES AND INFORMATION.
74. WINDOW SYSTEM WITH PASS THROUGH AND SPEAK HOLE. SEE SHEET A0.03.3 FOR ELEVATION AND ADDITIONAL NOTES / INFORMATION.
75. FRAMELESS GLASS STOREFRONT SYSTEM. SEE DOOR SCHEDULE AND SHEET A0.03.0 FOR ELEVATION AND ADDITIONAL NOTES / INFORMATION.
76. AUTOMATIC SLIDING DOOR SYSTEM WITH BREAKAWAY EMERGENCY EXIT PANELS. SEE DOOR SCHEDULE AND AND SHEET A0.02.2 FOR ADDITIONAL NOTES AND INFORMATION. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
77. EXTERIOR EXPANSION JOINT. SEE SHEET A9.03.0 FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
78. INTERIOR EXPANSION JOINT / COVER. SEE SHEETS A9.03.0 FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
79. SIGNAGE. REFER TO SIGN CONTRACTOR FOR FINAL SIZE, ATTACHMENT AND POWER REQUIREMENTS. CONTRACTOR TO PROVIDE BACKING AS REQUIRED BY SIGNAGE SHOP DRAWINGS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. CONTRACTOR TO COORDINATE WITH OWNER, SIGN CONTRACTOR AND HIS SUBCONTRACTORS FOR FINAL DESIGN, INSTALLATION AND CONSTRUCTION OF SIGNAGE DEVICES.
80. GAS CONNECTOR. SEE PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
81. ELEVATOR. SEE ENLARGED PLANS AND SECTIONS FOR ADDITIONAL INFORMATION. RE: MECHANICAL, ELECTRICAL AND SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS AND NOTES / INFORMATION.
82. ELEVATOR CONTROL UNIT. SEE ELECTRICAL DRAWINGS AND SHOP DRAWINGS FOR ADDITIONAL NOTES, INFORMATION AND REQUIREMENTS.
83. GREEN SCREEN TRELLIS PANEL. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
84. DECORATIVE SECURITY GRILL. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
85. EMPLOYEE MEAL ORDERING KIOSKS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. OWNER PROVIDED, CONTRACTOR INSTALLED.
86. SIDEWALK. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
87. FINISH GRADE. SEE CIVIL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
88. LANDSCAPE AREA. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
89. PLANTER DRAIN. SEE PLUMBING AND LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. REFER TO LANDSCAPE DRAWINGS FOR FINAL LOCATION(S).
90. PLANTER. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
91. DECORATIVE CONCRETE SIDEWALK / PAVING. SEE LANDSCAPE AND CIVIL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
92. HEATED CONCRETE SIDEWALK / PAVING. SEE LANDSCAPE, CIVIL AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
93. TUBE STEEL SUPPORT COLUMNS TO BE WRAPPED WITH 5/8" GYPSUM BOARD FOR FIRE PROOFING.
94. METAL GATE. SEE DOOR SCHEDULE AND SHEET A0.02.2 FOR ADDITIONAL NOTES AND INFORMATION.
95. DECORATIVE METAL FENCE. SEE SHEET A9.09.2 FOR ELEVATION AND ADDITIONAL NOTES AND INFORMATION.
96. P.O.S. LOCATION. SEE ELECTRICAL AND TELECOM DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
97. ACCESSIBLE MILLWORK COUNTER LOCATION. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
98. B.O.H. CORNER GUARDS, INSTALL UP TO 48" A.F.F.
99. KITCHEN / FOOD SERVICE AREA STAINLESS STAINLESS STEEL CORNER GUARDS UP TO 48" A.F.F. - SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
100. PASS-THRU WINDOW. SEE FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION.
101. WINE DISPLAY UNIT. SEE INTERIOR DESIGN, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
102. MILLWORK, BOOTHS, FURNITURE, COUNTERS, DISPLAY, ARTWORK, BANQUETTE, STORAGE UNITS, ACCESSORIES, AND PUBLIC RESTROOM FIXURES / ACCESSORIES, ETC. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR FINISHES AND ADDITIONAL NOTES AND INFORMATION. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO ANY PROCUREMENT OR FABRICATION. BACKING REQUIREMENTS FOR MOUNTING OF ALL ITEMS TO BE DESIGNED AND ENGINEERED BY CONTRACTOR AND SUBMITTED AS A SHOP DRAWING FOR APPROVAL.
103. DECORATIVE WALL SCONCES. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
104. WALL FINISH. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR FINISH INFORMATION, INSTALLATION REQUIREMENTS AND ADDITIONAL NOTES AND INFORMATION.
105. BAR TOP GAMING DEVICE. SEE INTERIOR DESIGN DRAWINGS FOR MILLWORK DETAILS AND ADDITIONAL NOTES. SEE ALSO ELECTRICAL AND TELECOM DRAWINGS.
106. MILLWORK BAR DIE AND TOP / MILLWORK BACKBAR. SEE INTERIOR DESIGN DRAWINGS FOR DETAILS, FINISHES AND ADDITIONAL NOTES AND INFORMATION.
107. MILLWORK HOSTESS STATION. SEE INTERIOR DESIGN DRAWINGS FOR DETAILS, FINISHES AND ADDITIONAL NOTES AND INFORMATION.
108. ACCESSIBLE COUNTER / BAR TOP GAMING LOCATION. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION. SEE ALSO ELECTRICAL AND TELECOM.
109. RAISED PLATFORM WITH EDGE LIGHTING. SEE INTERIOR DESIGN, LIGHTING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND NOTES.
110. PHOTO BOOTH. SEE INTERIOR DESIGN AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
111. CUSTOM ACOUSTIC PANEL PIVOT DOORS WITH LIGHT FEATURE. SEE INTERIOR DESIGN, ELECTRICAL AND LIGHTING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
112. "INDUSTRIAL WINDOW" GLASS AND METAL WALL. SEE INTERIOR DESIGN DRAWINGS FOR FINISH INFORMATION AND ADDITIONAL NOTES AND INFORMATION. PROVIDE STRUCTURAL SUPPORT AS REQUIRED.
113. CUSTOM ACOUSTIC PANEL TOP HINGED BI-FOLD COUNTER-TOP DOOR. SEE INTERIOR DESIGN DRAWINGS FOR FINISH AND ADDITIONAL NOTES AND INFORMATION. SEE ALSO STRUCTURAL DRAWINGS FOR SUPPORT INFORMATION.
114. ACOUSTIC PANEL WALL. SEE INTERIOR DESIGN FOR FINISH INFORMATION AND ADDTIONAL NOTES AND INFORMATION.
115. ACOUSTIC SOUND ISOLATION WALL SYSTEM. BASIS OF DESIGN: KINETICS ISOMAX RESILIENT SOUND ISOLATION CLIP SYSTEM OVER METAL STUD WALL SYSTEM. SEE SHEET A9.00.1 FOR ADDITIONAL NOTES AND INFORMATION.
116. DOUBLE ACTING SWING DOOR. SEE DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
117. GLASS BLOCK TILE WALL. SEE INTERIOR DESIGN DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION.
118. DECORATIVE METAL SCREEN / LATTICE. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATION FOR ADDITIONAL NOTES AND INFORMATION.
119. DECORATIVE MILLWORK SCREEN. SEE INTERIOR DESIGN DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION.
120. B.O.H. SECURITY GRILL. SEE SHEET A6.00.1 FOR ADDITIONAL INFORMATION.
121. SECURED PASS-THRU UNIT. SEE SHEET A6.00.1 FOR ADDITIONAL INFORMATION.
122. B.O.H. OFFICE FURNITURE / EQUIPMENT. OWNER PROVIDED AND INSTALLED.
123. SURVEILLANCE / SECURITY EQUIPMENT AND DISPLAYS. SEE SURVEILLANCE / SECURITY, ELECTRICAL/ LOW VOLTAGE AND A/V DRAWINGS FOR ADDITIONAL REQUIREMENTS, INFORMATION AND NOTES.
124. BUILT-UP CONCRETE STAIRS. SEE ENLARGED PLANS AND SECTIONS, AND SHEET A9.06.1 FOR ADDITIONAL NOTES AND INFORMATION.
125. METAL COLUMN WRAP.

RIVERS CASINO SCHENECTADY

KLAI JUBA WALD architects

4444 W. Russell Road, Suite J
Las Vegas, NV 89118
(702) 221-2254

KJA Job Number: 14012

ISSUED/REVISED

NO:	DESCRIPTION	DATE:
	ISSUE FOR CONSTRUCTION	11-25-15
1	REVIEW COMMENTS	01-28-16
3	GENERAL REVISION	03-18-16

KEY PLAN

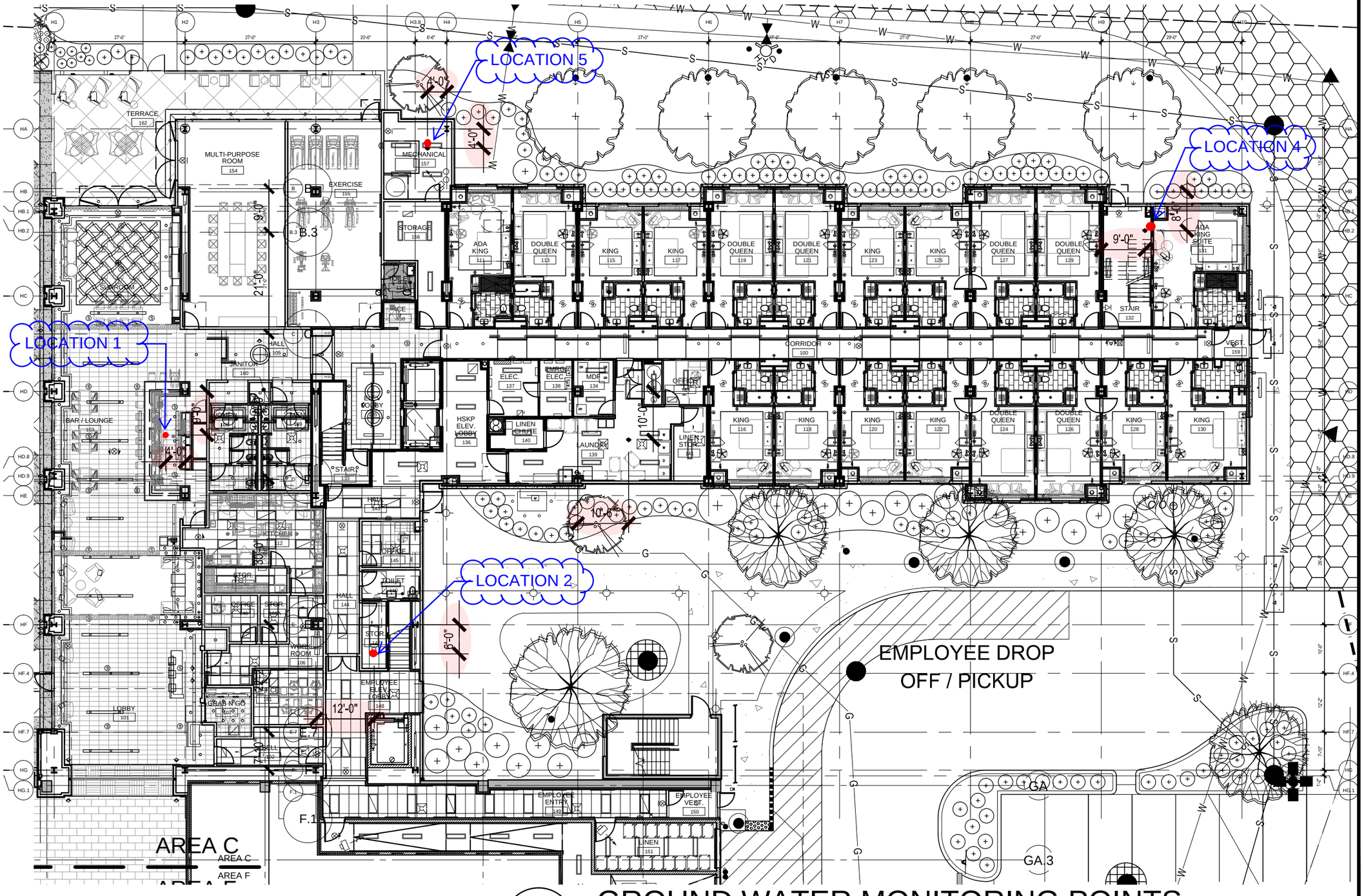
A B C D E F

FLOOR PLAN
AREA F
LEVEL 1

LOW RISE

A1.01.F

Landings Hotel



1 GROUND WATER MONITORING POINTS

1"=20'-0"

RIVERS CASINO SCHENECTADY

GROUND WATER MONITORING POINTS

NORWOOD LECHASE	09/10/2016
DELBERT RAGLAND	09/12/2016
KJA Job Number: 14012	A-SK-GWMP-01

KLAI JUBA WALD architects

ATTACHMENT H
Spill 1604483 Reports

February 2018 – April 2018

As requested the following is the February 2018 – April 2018 monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
February 2018 – April 2018

Date	Activity Description	Free Product Removed from MW-73 (gallons)
2/5/18	Inspection	-
2/12/18	Inspection	-
2/19/18	Inspection	-
2/26/18	Inspection	-
3/5/18	Inspection	-
3/12/18	Inspection	-
3/21/18	Inspection	-
3/26/18	Inspection	-
4/2/18	Inspection	-
4/9/18	Inspection	-
4/30/18	Inspection	-

Boom remained frozen in place.

Due to the January ice jam, the riverbank became unsafe to access from below, so visual inspections occur at the top of bank. The wells are unsafe to access at this time. No changes have been noted. Site visits were reduced to once per week.

When the weather allows, absorbent socks will be placed in the new monitoring/recovery wells.

Site inspections for Spill 1604483 area continued through May 2018; a minimum of two times a week or more frequently, as needed.

May 2018

As requested the following is the May 2018 monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
May 2018

Date	Activity Description	Free Product Removed from MW-73 (gallons)
5/2/18	Inspection, added carbon web fabric and charcoal bags.	.133

	Replaced MW-73 sock.	
5/4/18	Inspection, Adjusted containment and absorbent boom.	-
5/7/18	Inspection, Adjusted riverbank treatments. Replaced MW-73 sock – oil color still light tan.	.133
5/10/18	Inspection, Adjusted riverbank treatments. Checked absorbent sock in MW-73, ¼ full.	-
5/15/18	Inspection, Adjusted riverbank treatments. Replaced MW-73 sock – oil color still light tan. Checked all new recovery wells with interface probe. No oil readings, but sheen and odor noted on surface of well water.	.133
5/18/18	Inspection, Adjusted riverbank treatments. Absorbent sock in MW-73 checked – ¼ full.	-
5/22/18	Inspection, Adjusted riverbank treatments. Absorbent sock in MW-73 checked – 3/4 full.	-
5/24/18	Inspection, Adjusted riverbank treatments. Absorbent sock in MW-73 checked – 3/4 full.	-
5/29/18	Inspection, Adjusted riverbank treatments. Replaced MW-73 sock.	.133

No containment boom was added to the riverbank. Laundry bags filled with charcoal have been inserted into areas where oil seepage occurs as well as spreading a carbon impregnated fabric. These need frequent readjustment due to riverbank fluctuations and boat traffic but are affective at collecting sheen. Seepage seems limited to two areas.

Site inspections for Spill 1604483 area will continue during the month of June 2018; a minimum of two times a week or more frequently, as needed.

June 2018

As requested the following is the June 2018 monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
June 2018

Date	Activity Description	Free Product Removed from MW-73 (gallons)
6/1/18	Inspection, Adjusted riverbank treatments.	-
6/5/18	Inspection. Checked all new recovery wells for oil. None measured in new MW's.	-
6/7/18	Inspection, Adjusted riverbank treatments. Replaced MW-73 absorbent sock.	.133
6/11/18	Inspection, Adjusted riverbank treatments.	-
6/13/18	Inspection, Adjusted riverbank treatments.	-
6/18/18	Inspection, Adjusted riverbank treatments.	-

6/21/18	Inspection, Adjusted riverbank treatments.	-
6/26/18	Inspection. Replaced MW-73 absorbent sock.	.133
6/28/18	Inspection, Adjusted riverbank treatments.	-

No containment boom was added to the riverbank. Laundry bags filled with charcoal have been inserted into areas where oil seepage occurs as well as spreading a carbon impregnated fabric. These need frequent readjustment due to riverbank fluctuations and boat traffic but are affective at collecting sheen. Seepage seems limited to two areas.

Site inspections for Spill 1604483 area will continue during the month of July 2018; a minimum of two times a week or more frequently, as needed.

July 2018

As requested the following is the monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
July 2018

Date	Activity Description	Free Product Removed from MW-73 (gallons)
7/3/18	Inspection, Adjusted riverbank treatments.	-
7/10/18	Inspection, Adjusted riverbank treatments. Absorbent boom added.	-
7/13/18	Inspection, Adjusted riverbank treatments. Replaced MW-73 absorbent sock.	-
7/15/18	Inspection, Adjusted riverbank treatments.	.133
7/20/18	Inspection, Adjusted riverbank treatments.	-
7/21/18	Inspection, Adjusted riverbank treatments.	-
7/24/18	Inspection, Adjusted riverbank treatments. Checked all new recovery wells for oil. None measured in new MW's.	-

No containment boom was added to the riverbank. Laundry bags filled with charcoal have been inserted into areas where oil seepage occurs as well as spreading a carbon impregnated fabric. These need frequent readjustment due to riverbank fluctuations and boat traffic, but are affective at collecting sheen. Seepage seems limited to two areas. Placed small diameter absorbent boom around seepage spots for added protection.

Site inspections for Spill 1604483 area will continue during the month of August 2018; a minimum of two times a week or more frequently, as needed.

August 2018

As requested the following is the monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
August 2018

Date	Activity Description	Free Product Removed from MW-73 (gallons)
8/7/18	Inspection, Adjusted riverbank treatments.	-
8/9/18	Inspection, Adjusted riverbank treatments. Absorbent boom added.	-
8/14/18	Inspection, Adjusted riverbank treatments. Replaced MW-73 absorbent sock.	-
8/21/18	Inspection, Adjusted riverbank treatments.	.133
8/21/18	Inspection, Adjusted riverbank treatments.	-
8/28/18	Inspection, Adjusted riverbank treatments.	-
8/30/18	Inspection, Adjusted riverbank treatments. Checked all new recovery wells for oil. None measured in new MW's.	-

No containment boom was added to the riverbank. Laundry bags filled with charcoal have been inserted into areas where oil seepage occurs as well as spreading a carbon impregnated fabric. These need frequent readjustment due to riverbank fluctuations and boat traffic, but are affective at collecting sheen. Seepage seems limited to two areas. Placed small diameter absorbent boom around seepage spots for added protection.

Site inspections for Spill 1604483 area will continue during the month of September 2018; a minimum of two times a week or more frequently, as needed.

September 2018

As requested the following is the monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
September 2018

Date	Activity Description	Free Product Removed from MW-73 (gallons)
9/4/18	Inspection, Adjusted riverbank treatments.	-
9/6/18	Inspection, Adjusted riverbank treatments. Absorbent	-

	boom added.	
9/11/18	Inspection, Adjusted riverbank treatments. Replaced MW-73 absorbent sock.	-
9/13/18	Inspection, Adjusted riverbank treatments.	.133
9/20/18	Inspection, Adjusted riverbank treatments.	-
9/25/18	Inspection, Adjusted riverbank treatments.	-
9/27/18	Inspection, Adjusted riverbank treatments. Checked all new recovery wells for oil. None measured in new MW's.	-

No containment boom was added to the riverbank. Laundry bags filled with charcoal have been inserted into areas where oil seepage occurs as well as spreading a carbon impregnated fabric. These need frequent readjustment due to riverbank fluctuations and boat traffic, but are affective at collecting sheen. Seepage seems limited to two areas. Placed small diameter absorbent boom around seepage spots for added protection.

Site inspections for Spill 1604483 area will continue during the month of October 2018; a minimum of two times a week or more frequently, as needed.

October 2018

As requested the following is the monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
October 2018

Date	Activity Description	Free Product Removed from MW-73 (gallons)
10/2/18	Inspection, Adjusted riverbank treatments.	-
10/4/18	Inspection, Adjusted riverbank treatments. Absorbent boom added.	-
10/8/18	Inspection, Adjusted riverbank treatments. Replaced MW-73 absorbent sock.	-
10/11/18	Inspection, Adjusted riverbank treatments.	.133
10/16/18	Inspection, Adjusted riverbank treatments.	-
10/23/18	Inspection, Adjusted riverbank treatments.	-
10/25/18	Inspection, Adjusted riverbank treatments. Checked all new recovery wells for oil. None measured in new MW's.	-

No containment boom was added to the riverbank. Laundry bags filled with charcoal have been inserted into areas where oil seepage occurs as well as spreading a carbon impregnated fabric. These need frequent readjustment due to riverbank fluctuations and boat traffic, but are affective at collecting

sheen. Seepage seems limited to two areas. Placed small diameter absorbent boom around seepage spots for added protection.

Site inspections for Spill 1604483 area will continue during the month of November 2018; a minimum of two times a week or more frequently, as needed.

November 2018

As requested the following is the January monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
November 2018

Date	Activity Description	Free Product Removed from MW-73 (gallons)
11/1/18	Inspection, Adjusted riverbank treatments.	-
11/6/18	Inspection, Adjusted riverbank treatments. Absorbent boom added.	-
11/8/18	Inspection, Adjusted riverbank treatments. Replaced MW-73 absorbent sock.	-
11/13/18	Inspection, Adjusted riverbank treatments.	.133
11/15/18	Inspection, Adjusted riverbank treatments.	-
11/20/18	Inspection, Adjusted riverbank treatments.	-

No containment boom was added to the riverbank. Laundry bags filled with charcoal have been inserted into areas where oil seepage occurs as well as spreading a carbon impregnated fabric. These need frequent readjustment due to riverbank fluctuations and boat traffic, but are affective at collecting sheen. Seepage seems limited to two areas. Placed small diameter absorbent boom around seepage spots for added protection.

Site inspections for Spill 1604483 area will continue during the month of December 2018; a minimum of two times a week or more frequently, as needed.

December 2018-April 2019

As requested the following is the winter report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
December 2018 – March 2019

All materials were removed from the riverbank in early December 2019. Inspections were limited to visual inspections from the top of the riverbank due to unsafe ice conditions.

Containment boom and Adsorb-It fabric were added to the riverbank in early April as conditions became safe for access. Sheen and seepage were noted in approximately the same locations.

Site inspections for Spill 1604483 area will continue during the month of April 2019; a minimum of two times a week or more frequently, as needed.

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