

Former ALCO Site

CITY OF SCHENECTADY, SCHENECTADY COUNTY, NEW YORK

Parcel B 2019 Periodic Review Report

NYSDEC Site Number: C447043

Prepared for:

Maxon ALCO Holdings, LLC
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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 plume 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 B RI Findings

- Follow-up on the geophysical study Area 2 identified an underground vault.
- Follow-up on the geophysical study Area 6 identified a former concrete building wall with re-bar.
- Concentrations of petroleum-related VOCs were detected in one of the three wells installed between Building 306 and former Building 320; concentrations did not exceed 22 µg/L.
- Concentrations of chlorinated VOCs in Parcel B monitoring wells sampled ranged from ND to 178 µg/L.

Site-Wide Groundwater Quality

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

Remedial Action Objectives

Each Parcel is issued a separate Decision Document by NYSDEC. The Remedial Action Objectives (RAOs) listed in these documents are as follows:

Parcel B (Decision Document, October 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.
- Prevent the discharge of contaminants to surface water.
- 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 2017 tasks outlined above is provided herein.

- Quarterly Groundwater Monitoring
- Soil Vapor Intrusion Assessments of the Marriot Hotel and Dunkin' Donuts/Capital Bank Building
- Completion of Soils Capping

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. 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.

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 were removed and disposed of to a depth of two feet. Clean fill meeting the requirements of 6NYCRR Part 375-6.7(d) was 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 was placed, 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 was 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 met 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 inclusion to 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 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 EQUISTM 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;
- 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; and
- 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
Harbor Sediment Sampling		Annually
Harbor Surface Water Sampling		Annually
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. Remedial 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 successfully mitigated potential risk 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 MW-68 on Parcel B. As expected, reported concentrations of certain contaminants have increased from the baseline sampling concentrations in MW-67, which is consistent with experience with oxidant injection at other sites in New York State. The increase results from residual oxidant action that liberates sorbed contaminant, temporarily putting more contaminant mass into dissolved phase that will then attenuate.

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 Chapter 157 – 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 and 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 B Site Management Plan dated November 2016 and revised July 2017. 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-67 & MW-68	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 Monitoring Results

The groundwater monitoring results are provided in Tables 4-5. The first quarter round of groundwater sampling for 2019 was concluded on March 15, 2019 and results will be forwarded under separate cover.

During 2018, MW-67 exceeded groundwater standards for cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, trans-1,2-dichloroethene, vinyl chloride, chloride, and 1-dichloroethene. Reported concentrations of the remaining contaminants have increased from the baseline sampling concentrations in MW-67, which is consistent with experience with oxidant injection at other sites in New York State. The increase results from residual oxidant action that liberates sorbed contaminant, temporarily putting more contaminant mass into dissolved phase.

By the final monitoring event of 2018, MW-68 did not exceed groundwater standards for any parameters except for vinyl chloride.

Graphs depicting VOC exceedances are included in Attachment B. Full laboratory analyses for 2017 are included in Attachment C.

Table 4. Historic Residual VOC Water Quality Data – MW-67

Parameter	*1,1-Dichloro-ethene (µg/l)	*Acetone (µg/l)	*cis-1,2-Dichloro-ethene (µg/l)	*Methyl tert-butyl ether (µg/l)	*Tetra-chloroethene (µg/l)	*trans-1,2-Dichloroethene (µg/l)	*Trichloro-ethene (µg/l)	*Vinyl chloride (µg/l)	*1,1-Dichloro-propene (µg/l)	*4-Methyl-2-pentanone (µg/l)	*Carbon tetrachloride (µg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	5	50	5	5	5	5	5	2	5	-	5
27-Sep-11	-	-	-	-	-	-	-	-	-	-	-
17-Jun-13	-	-	-	-	-	-	-	-	-	-	-
11-Sep-15	-	-	-	-	-	-	-	-	-	-	-
01-Mar-16	2.0	9.5	1300.0	1.9	250.0	9.7	160.0	59.0	-	-	<1.0
10-May-16	1.9	<1.0	1500.0	<1.0	260.0	12.0	200.0	44.0	-	-	<1.0
15-Jun-16	2.5	<10.0	1900.0	<1.0	220.0	16.0	220.0	48.0	<1.0	<5.0	<1.0
13-Jul-16	2.4	<10.0	1800.0	<1.0	220.0	17.0	220.0	52.0	-	-	<1.0
10-Aug-16	<10.0	<100.0	1700.0	<10.0	220.0	20.0	220.0	56.0	-	-	<10.0
08-Sep-16	<10.0	<10.0	1500.0	<10.0	230.0	14.0	190.0	40.0	<10.0	<50.0	<10.0
05-Oct-16	<1.0	<10.0	1560.0	<1.0	206.0	16.5	216.0	52.8	42.5	47.6	65.3
03-Nov-16	1.4	<10.0	938.0	<1.0	164.0	7.2	130.0	38.0	<1.0	<10.0	<1.0
02-Dec-16	<10.0	<100.0	1180.0	<10.0	188.0	<10.0	144.0	66.0	<10.0	<10.0	<10.0
04-Jan-17	<10.0	<50.0	1190.0	<10.0	155.0	14.2	122.0	68.6	<10.0	<10.0	<10.0
06-Apr-17	1.4	<5.0	1000.0	<1.0	124.0	6.8	104.0	65.7	<1.0	<1.0	<1.0
20-Jul-17	2.0	7.0	1660.0	<1.0	172.0	15.3	163.0	418.0	<1.0	<5.0	<1.0
09-Nov-17	5.3	25.9	5910.0	<1.0	9.0	36.4	33.9	353.0	<1.0	<5.0	<1.0
06-Mar-18	<10.0	<50.0	1880.0	<10.0	148.0	27.5	126.0	143.0	<10.0	<50.0	<10.0
06-Jun-18	4.4	<50.0	4740.0	<10.0	-	83.6	3.3	698.0	<10.0	<50.0	2.1
05-Sep-18	<10.0	<50.0	2530.0	<10.0	173.0	39.3	207.0	370.0	<10.0	<50.0	<1.0
04-Dec-18	<20.0	<100.0	2260.0	<20.0	134.0	25.0	155.0	381.0	<20.0	<100.0	<20.0

*Bolded results indicate detects

Table 5. Historic Residual VOC Water Quality Data – MW-68			
Parameter	*Acetone (µg/l)	*cis-1,2-Dichloroethene (µg/l)	*Vinyl chloride (µg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	50	5	2
27-Sep-11	-	-	-
17-Jun-13	-	-	-
11-Sep-15	-	-	-
01-Mar-16	1.7	3.5	4.9
10-May-16	1.8	1.9	5.2
15-Jun-16	<10.0	1.7	3.8
13-Jul-16	1.6	<1.0	<1.0
10-Aug-16	<10.0	1.4	5.3
08-Sep-16	<10.0	<1.0	3.2
05-Oct-16	<10.0	1.3	5.4
03-Nov-16	<10.0	1.1	3.6
02-Dec-16	<10.0	<1.0	3.5
04-Jan-17	<5.0	1.3	7.9
06-Apr-17	<5.0	<1.0	4.9
20-Jul-17	<5.0	<1.0	3.8
09-Nov-17	31.2	<1.0	<2.0
06-Mar-18	<5.0	<1.0	7.3
06-Jun-18	<5.0	<1.0	21.9
05-Sep-18	<5.0	1.1	10.6
04-Dec-18	<5.0	<1.0	16.6
*Bolded results represent detects			

5.2 Harbor Sampling Results

Annual sampling for the harbor surface water and sediment was conducted December 2017. Detect results are shown in Table 9. Refer to Attachment D for full laboratory analysis.

Table 6. Historic Residual VOC Water Quality Data – Harbor Sampling		
Parameter	2-Butanone (MEK) (µg/l)	Acetone (µg/l)
6NYCRR Part 703 GROUND WATER STANDARD	-	50
Surface Water		
Dec-17	-	14.2
Dec-18	-	-
Sediment		
Dec-17	11.9	36.7
Dec-18	-	-

No detects occurred during the 2018 sampling event.

5.3 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 E. Representative photographs of site cover are located in Attachment F.

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.

5.4 SVI Results

As per the SMP, SVI assessments are required for new buildings located on the property. No new buildings have been constructed during 2018. The remaining new structures currently have no occupancy on the first floors and are therefore exempt from SVI sampling requirements.

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.

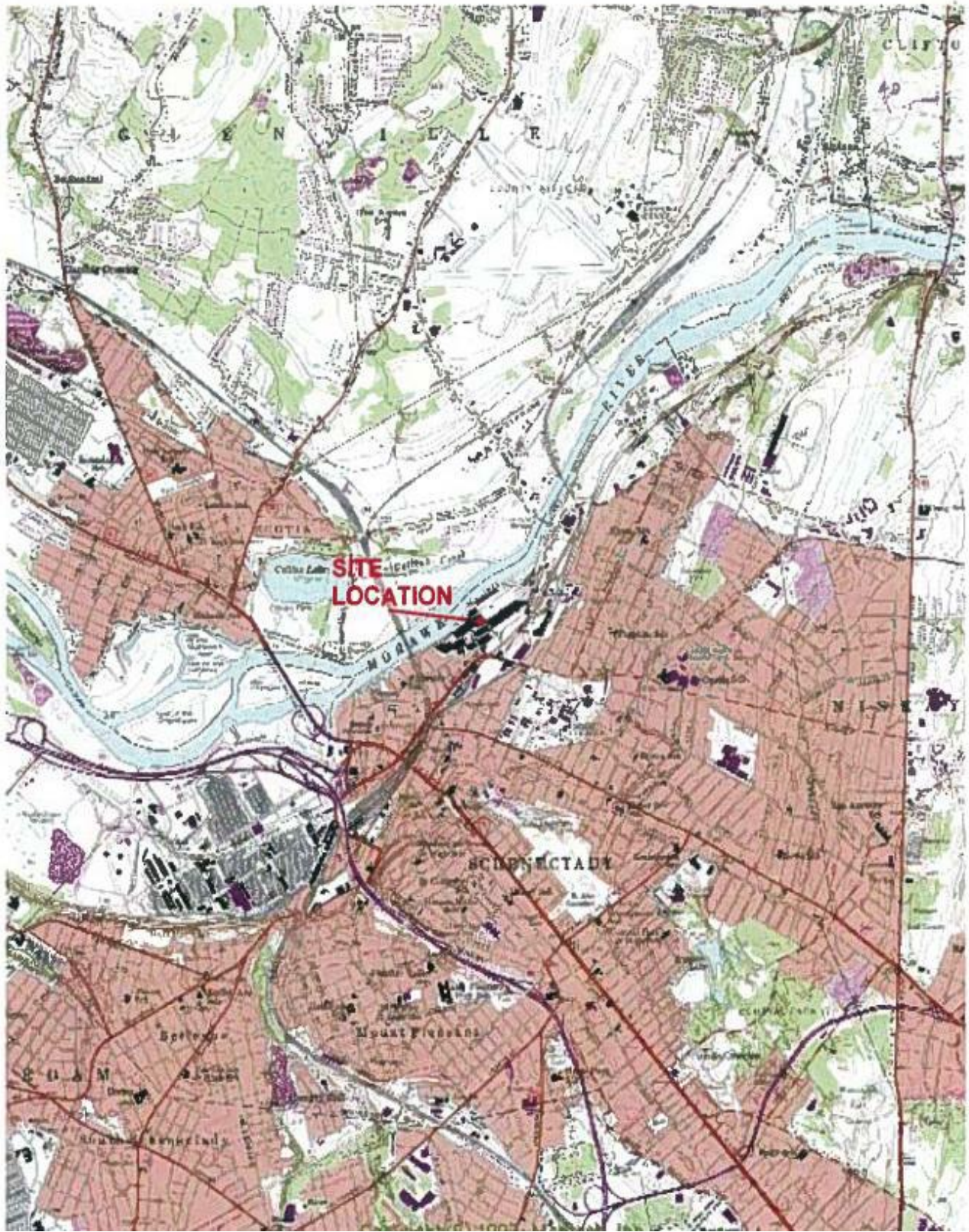
7.0 CONCLUSIONS

Maxon ALCO Holdings, LLC, has been operating the remedial systems at the ALCO Parcel B 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 all groundwater monitoring wells with the exception of MW-67, which has increased in exceedances. 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.

FIGURE 1
Site Location Map

↑
N



Barton
& **L**oguidice, P.C.

MAXON ALCO HOLDINGS, LLC
SITE MANAGEMENT PLAN

SITE PLAN

Figure Number

1

Project Number

1368.001.001

Date

OCTOBER, 2013

Scale

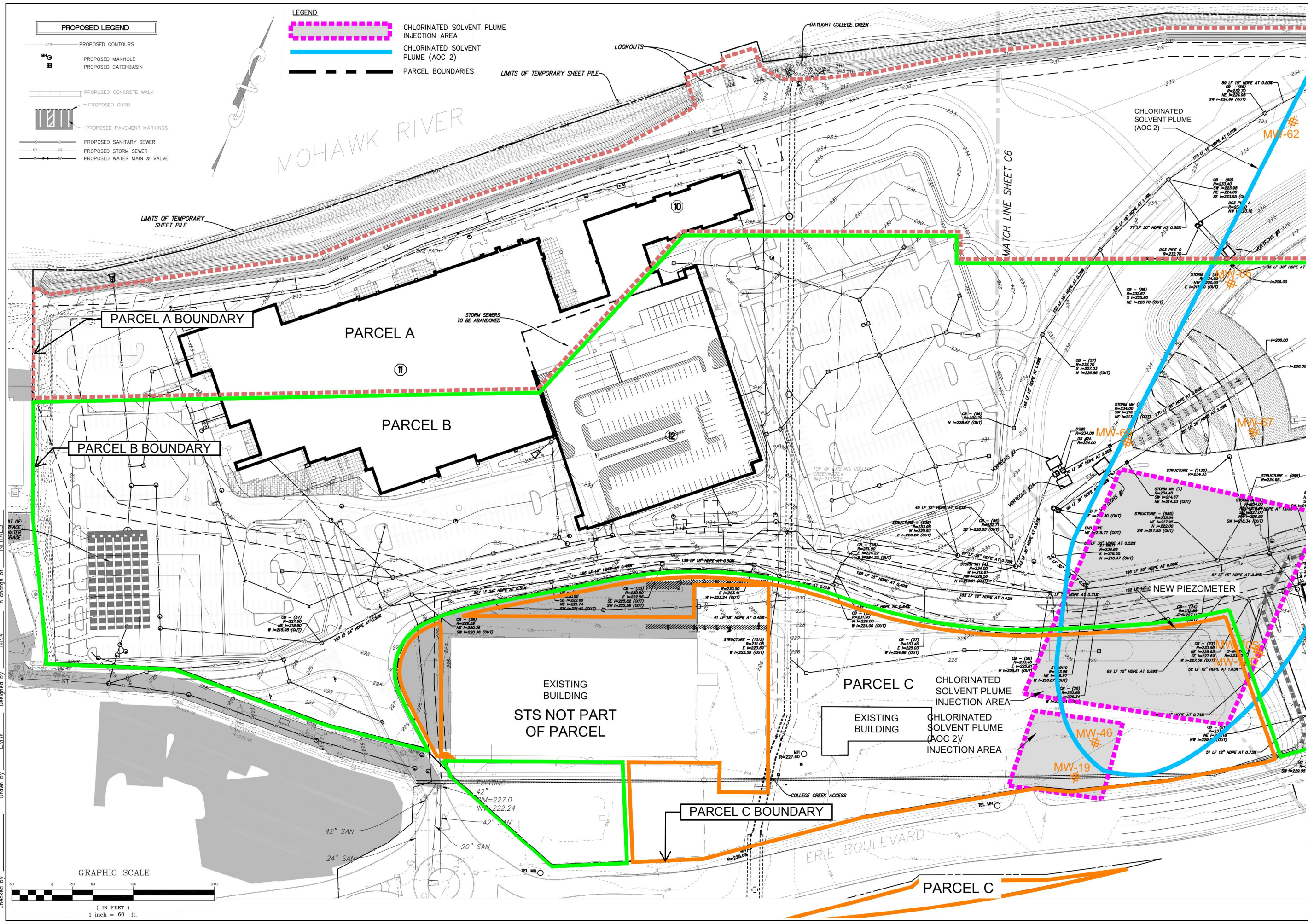
NOT TO SCALE

SCHENECTADY COUNTY

NEW YORK

FIGURE 2
Site Plan

Printed: Sep 30, 2016 - 11:16AM
Z:\a\vol\02\1627402\101\977000-977999\977525\1\138.008.001 - MWELL - Fig 3.1-3.2 (0 977525).dwg
Checked by
Drawn by LMW
Designed by NRM
In charge of INITIALS
BY: nps
SR: 980540641470 (977000-977999) 977525\1\138.008.001 - MWELL - Fig 3.1-3.2 (0 977525).dwg



NO ALTERATION PERMITTED
HEREON EXCEPT AS PROVIDED
UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE
EDUCATION LAW.

COMPLETED CONSTRUCTION

Significant Construction
Changes Are Shown

By _____ Date _____
Ck'd _____ Date _____

REVISIONS

MAXON ALCO HOLDINGS, LLC
ALCO-MAXON SITE
NYSDEC SITE NUMBER: C447042, C447043 AND C447044

**PARCELS A, B AND C MONITORING WELL NETWORKS
FOR THE CHLORINATED SOLVENT PLUME**

CITY OF SCHENECTADY
SCHENECTADY COUNTY, NEW YORK

Barion B&L
Loguidice, Inc.

Date
SEPTEMBER, 2016

Scale
1"=60'

FIGURE
4

File Number
1338.008.001

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. C447043

Site Name ALCO-Maxon Site - Parcel B

Site Address: 301 NOTT STREET **Zip Code:** 12305

City/Town: Schenectady

County: Schenectady

Site Acreage: 30.620

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

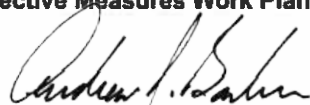
☒ ☐

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

05/07/2019

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. C447043		Box 3	
Description of Institutional Controls			

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
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. The maintenance and monitoring of Mohawk Harbor (lands under water); 16. Develop a Soil Management Plan to guide possible future site developments that may require excavation into the residually-contaminated soils; 17. Develop a Soil-Vapor Assessment and/or Mitigation Plan to guide future building construction; and 18. 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. The maintenance and monitoring of Mohawk Harbor (lands under water);

16. Develop a Soil Management Plan to guide possible future site developments that may require excavation into the residually-contaminated soils;

17. Develop a Soil-Vapor Assessment and/or Mitigation Plan to guide future building construction; and

18. 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. The maintenance and monitoring of Mohawk Harbor (lands under water);
16. Develop a Soil Management Plan to guide possible future site developments that may require excavation into the residually-contaminated soils;
17. Develop a Soil-Vapor Assessment and/or Mitigation Plan to guide future building construction; and
18. 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. The maintenance and monitoring of Mohawk Harbor (lands under water);
16. Develop a Soil Management Plan to guide possible future site developments that may require excavation into the residually-contaminated soils;
17. Develop a Soil-Vapor Assessment and/or Mitigation Plan to guide future building construction; and
18. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.42-1-20

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);
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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;
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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;
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14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. The maintenance and monitoring of Mohawk Harbor (lands under water);
16. Develop a Soil Management Plan to guide possible future site developments that may require excavation into the residually-contaminated soils;
17. Develop a Soil-Vapor Assessment and/or Mitigation Plan to guide future building construction; and
18. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.42-1-21

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. The maintenance and monitoring of Mohawk Harbor (lands under water);

16. Develop a Soil Management Plan to guide possible future site developments that may require excavation into the residually-contaminated soils;

17. Develop a Soil-Vapor Assessment and/or Mitigation Plan to guide future building construction; and

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

39.42-2-12

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. The maintenance and monitoring of Mohawk Harbor (lands under water);

16. Develop a Soil Management Plan to guide possible future site developments that may require

excavation into the residually-contaminated soils;

17. Develop a Soil-Vapor Assessment and/or Mitigation Plan to guide future building construction; and

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

39.49-2-1.6 (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. The maintenance and monitoring of Mohawk Harbor (lands under water);

16. Develop a Soil Management Plan to guide possible future site developments that may require excavation into the residually-contaminated soils;

17. Develop a Soil-Vapor Assessment and/or Mitigation Plan to guide future building construction; and

18. 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

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. The maintenance and monitoring of Mohawk Harbor (lands under water);
16. Develop a Soil Management Plan to guide possible future site developments that may require excavation into the residually-contaminated soils;
17. Develop a Soil-Vapor Assessment and/or Mitigation Plan to guide future building construction; and
18. 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.

39.41-1-4 (Portion of)

Cover System

Engineering Controls (ECs)

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

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.

39.41-1-5 (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.

39.41-1-6 (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.

39.42-1-20

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.

39.42-1-21

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.

39.42-2-12

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 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.
39.49-2-1.6 (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.

39.49-2-1.7 (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.

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☒ ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

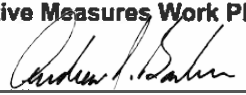
(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.


Signature of Owner, Remedial Party or Designated Representative

5/7/2019

Date

IC CERTIFICATIONS
SITE NO. C447043

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.

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

am certifying as owner's representative, Maxon ALCO (Owner or Remedial Party)
Holdings, LLC

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



05/07/2019

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

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 & Leguizoa, Inc., 10 Airline Dr.
print name print business address Albany NY

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



Scott D. NostRAND

05/07/2019

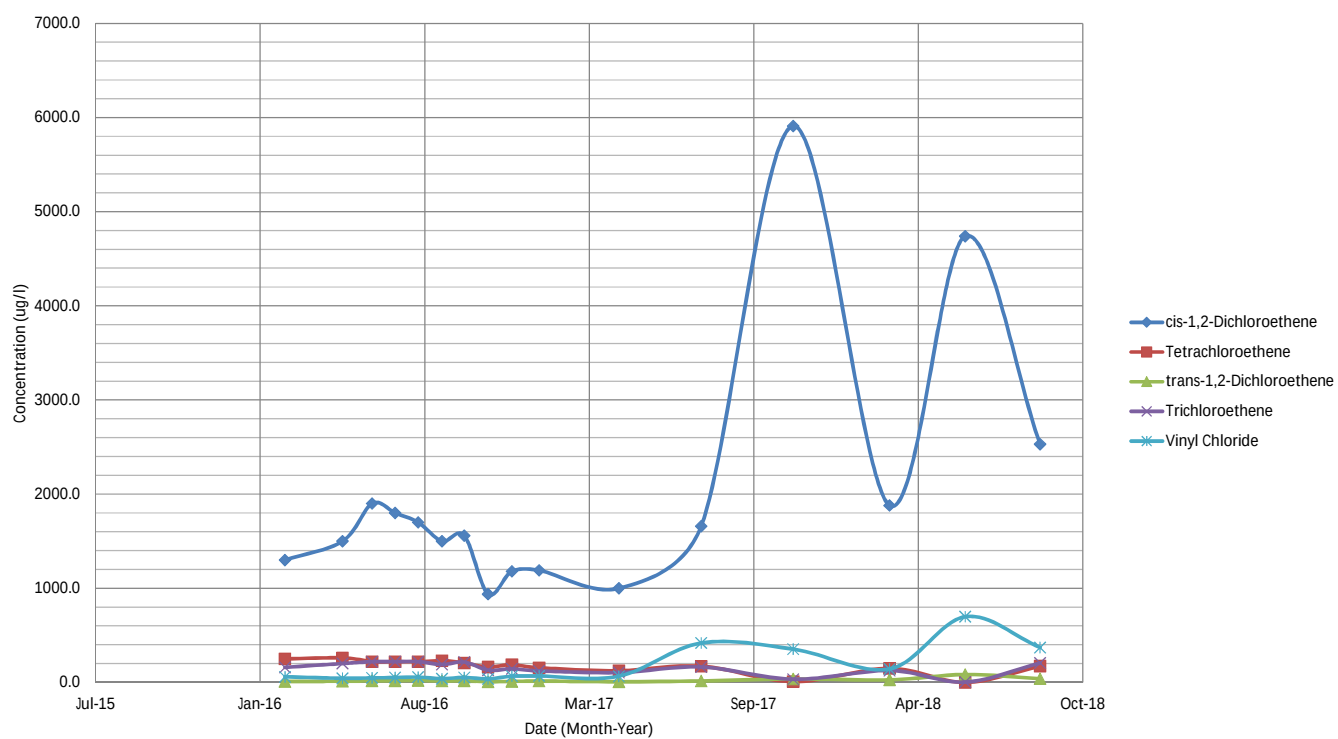
Signature of , for the Owner or Remedial Party,
Rendering Certification

Stamp
(Required for PE)

Date

ATTACHMENT B
Groundwater VOC Exceedance Graphs

MW-67 VOC Exceedances



ATTACHMENT C
2018 Monitoring Data

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@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Andy Barber, B&L



REPORT OF LABORATORY ANALYSIS

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June 22, 2018

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

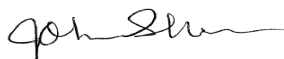
RE: Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7053800

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



REPORT OF LABORATORY ANALYSIS

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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

REPORT OF LABORATORY ANALYSIS

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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 CaCO ₃ (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 asCaCO ₃ (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

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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

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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		

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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		

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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		

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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		

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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		

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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		

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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		

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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	

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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, MO	
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, MO	
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, MO	
Bromomethane	<1.0	ug/L	1.0	1		06/07/18 19:27	74-83-9	CL,L2, MO	
Carbon disulfide	<1.0	ug/L	1.0	1		06/07/18 19:27	75-15-0		

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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, MO	
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	

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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		

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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	
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		

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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		

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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		

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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	

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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		

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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	
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		

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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	
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		

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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	
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REPORT OF LABORATORY ANALYSIS

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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

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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	
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REPORT OF LABORATORY ANALYSIS

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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

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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

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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 CaCO ₃ (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 asCaCO ₃ (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 CaCO ₃ (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 asCaCO ₃ (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 CaCO ₃ (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 asCaCO ₃ (SM 2340B	ug/L	924000		1050000			

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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 CaCO ₃ (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 asCaCO ₃ (SM 2340B	ug/L	924000	927000	0	

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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

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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

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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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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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QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER

Pace Project No.: 7053800

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 323484 323485											
Parameter	Units	7053800006		MS	MSD	MS		MSD	% Rec		Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	Result	% Rec	Limits	
Acetone	ug/L	<5.0	50	50	50	26.1	25.1	52	50	23-188	4 CL
Benzene	ug/L	<1.0	50	50	50	45.6	43.0	91	86	73-119	6
Bromobenzene	ug/L	<1.0	50	50	50	49.1	46.9	98	94	72-102	5
Bromochloromethane	ug/L	<1.0	50	50	50	37.9	36.0	76	72	81-116	5 CL,M0
Bromodichloromethane	ug/L	<1.0	50	50	50	38.1	35.8	76	72	78-117	6 M1
Bromoform	ug/L	<1.0	50	50	50	18.4	18.4	37	37	65-122	0 CL,M0
Bromomethane	ug/L	<1.0	50	50	50	22.1	22.0	44	44	52-147	1 CL,M0
Carbon disulfide	ug/L	<1.0	50	50	50	37.4	35.0	75	70	41-144	7
Carbon tetrachloride	ug/L	<1.0	50	50	50	47.8	44.3	96	89	59-120	8
Chlorobenzene	ug/L	<1.0	50	50	50	49.5	46.8	99	94	75-113	6
Chloroethane	ug/L	<1.0	50	50	50	45.3	43.2	91	86	49-151	5
Chloroform	ug/L	<1.0	50	50	50	43.7	42.6	87	85	72-122	3
Chloromethane	ug/L	<1.0	50	50	50	53.7	52.2	107	104	46-144	3
cis-1,2-Dichloroethene	ug/L	235	50	50	50	283	285	95	100	72-121	1 E
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	50	43.5	41.7	87	83	78-116	4
Dibromochloromethane	ug/L	<1.0	50	50	50	32.0	30.7	64	61	70-120	4 CL,M1
Dibromomethane	ug/L	<1.0	50	50	50	44.4	41.3	89	83	75-125	7
Dichlorodifluoromethane	ug/L	<1.0	50	50	50	24.9	24.3	50	49	22-154	2 CL
Ethylbenzene	ug/L	<1.0	50	50	50	50.0	47.9	100	96	70-113	4
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	50	32.0	31.7	64	63	59-121	1 CL
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	50	50.1	47.2	100	94	67-115	6
m&p-Xylene	ug/L	<2.0	100	100	100	102	96.3	102	96	72-115	5
Methyl-tert-butyl ether	ug/L	<1.0	50	50	50	44.7	43.0	89	86	72-131	4
Methylene Chloride	ug/L	<1.0	50	50	50	46.0	43.4	92	87	61-142	6
n-Butylbenzene	ug/L	<1.0	50	50	50	45.3	43.0	91	86	73-107	5
n-Propylbenzene	ug/L	<1.0	50	50	50	48.3	45.2	97	90	68-116	7
Naphthalene	ug/L	<1.0	50	50	50	44.1	41.2	88	82	70-118	7
o-Xylene	ug/L	<1.0	50	50	50	50.1	47.9	100	96	73-117	4
p-Isopropyltoluene	ug/L	<1.0	50	50	50	48.8	46.0	98	92	73-101	6
sec-Butylbenzene	ug/L	<1.0	50	50	50	49.1	46.5	98	93	72-103	5
Styrene	ug/L	<1.0	50	50	50	51.4	48.8	103	98	72-118	5
tert-Butylbenzene	ug/L	<1.0	50	50	50	49.3	46.9	99	94	68-100	5
Tetrachloroethene	ug/L	188	50	50	50	227	229	77	83	60-128	1 E
Toluene	ug/L	<1.0	50	50	50	46.6	43.5	93	87	72-119	7
trans-1,2-Dichloroethene	ug/L	1.4	50	50	50	46.3	44.7	90	87	56-142	4
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	50	37.3	35.3	75	71	79-116	5 CL,M0
Trichloroethene	ug/L	107	50	50	50	155	151	96	89	69-117	2
Trichlorofluoromethane	ug/L	<1.0	50	50	50	42.0	39.7	84	79	27-173	6
Vinyl acetate	ug/L	<1.0	50	50	50	42.9	41.5	86	83	20-158	3
Vinyl chloride	ug/L	15.9	50	50	50	51.3	49.6	71	67	43-143	3
Xylene (Total)	ug/L	<3.0	150	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

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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

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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

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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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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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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

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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

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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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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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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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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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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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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-Chloroethylvinyl 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.

REPORT OF LABORATORY ANALYSIS

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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.

REPORT OF LABORATORY ANALYSIS

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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		

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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 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		

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WO#: 7053800



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section B Required Client Information: Company: BARTON & LOGUIDICE DPC Address: 10 AIRLINE DR., SUITE 200 ALBANY, NY 12205 Phone: (518)218-1801 Fax: (518)218-1805 Project: ALCO QUARTERLY GROUNDWATER Due Date/TAT: STANDARD		Section C Invoice Information: Report To: ANDY BARBER Copy To: CORINNE STEINMUELLER Address: NYAP@PACELABS.COM Pace Project Manager: JOHN.STANTON@PACELABS.COM		Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE OTHER		Valid Matrix Codes DW: DRINKING WATER WT: WASTE WATER P: PRODUCT BL: BULK V: VEHICLE AR: AIR TS: TISSUE		COLLECTED COMPOSITE START DATE TIME COMPOSITE END DATE TIME CONTAINER SIZE # OF CONTAINERS		Preservatives H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other		Requested Analytes VOC 8260 SULFATE CHLORIDE NITRATE HARDNESS MS/MSD Actual Chrome Y/N		Pace Project No. Lab I.D.	
1	MW-19	WT 6/5	11:46	8	1	1	3	3	3	3	3	3	3	001	
2	MW-46		11:54	8	1	1	3	3	3	3	3	3	3	002	
3	MW-62		8:52	8	1	1	3	3	3	3	3	3	3	003	
4	MW-64S		7:40	8	1	1	3	3	3	3	3	3	3	004	
5	MW-64D		8:42:59	8	1	1	3	3	3	3	3	3	3	005	
6	MW-65 (MS/MSD)		7:30	20	1	1	9	9	9	9	9	9	9	006	
7	MW-67		9:50	8	1	1	3	3	3	3	3	3	3	007	
8	MW-68		9:38	8	1	1	3	3	3	3	3	3	3	008	
9	MW-70S		12:05	8	1	1	3	3	3	3	3	3	3	009	
10	MW-70D		12:14	8	1	1	3	3	3	3	3	3	3	010	
11	DUP X			8	1	1	3	3	3	3	3	3	3	011	
12	TRIP BLANK			2			2	2	2	2	2	2	2	012	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Ughell / Bal	6/5/18	2:35	dy	6/5/18	14:35	Received on Ice Y/N Custody Sealed Y/N Cooler Y/N Samples Intact Y/N
dy	6/5/18	16:00	dy	6/5/18	10:00	
Corinne Steinmuller			Corinne Steinmuller			

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Corinne Steinmuller SIGNATURE of SAMPLER: [Signature]		DATE Signed (MM / DD / YY): 6/5/18
--	--	------------------------------------



Sample Condition Upon Receipt

Client Name:

B+L DPC

Project

WO#: 7053800

PM: CNP Due Date: 06/12/18

CLIENT: B&L

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

Tracking #: 4414 8129 2984

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☒ Yes ☐ NoPacking Material: ☒ Bubble Wrap ☒ Bubble Bags ☒ Ziploc ☐ None ☐ Other

Thermometer Used: TH091

Correction Factor: 0.0

Cooler Temperature (°C): 1.9

Cooler Temperature Corrected (°C): 1.9

Temperature Blank Present: ☐ Yes ☒ NoType of Ice: ☒ Wet ☐ Blue ☐ None☐ Samples on ice, cooling process has begun

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 6/10/18

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

If Yes to either question, fill out a Regulated Soil Checklist (F-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		10.
Containers Intact:	☒ Yes	☐ No		11.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☒ N/A	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 ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # HC727135				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☒ Yes	☐ No	☐ N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				
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:

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

REPORT OF LABORATORY ANALYSIS

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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

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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

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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

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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

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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	N3	
Hardness, Magnesium	73700	ug/L	4100	1	03/08/18 07:21	03/08/18 15:46			
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	CL	
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		
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		

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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		

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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	
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		

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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		

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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		

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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		N3	
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			
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		

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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
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

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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

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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		

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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		

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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

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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

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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		

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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 CaCO ₃ (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 asCaCO ₃ (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	

REPORT OF LABORATORY ANALYSIS

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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

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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

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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		

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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		

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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

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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 CaCO ₃ (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 asCaCO ₃ (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 CaCO ₃ (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 asCaCO ₃ (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 CaCO ₃ (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 asCaCO ₃ (SM 2340B	ug/L	227000		391000			

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

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QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER

Pace Project No.: 7044677

MATRIX SPIKE SAMPLE: 269953		7044677002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Ca Hardness as CaCO ₃ (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 asCaCO ₃ (SM 2340B)	ug/L	803000		962000			

SAMPLE DUPLICATE: 269950

Parameter	Units	7044677001 Result	Dup Result	RPD	Qualifiers
Ca Hardness as CaCO ₃ (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 asCaCO ₃ (SM 2340B)	ug/L	227000	234000	3	

SAMPLE DUPLICATE: 269952

Parameter	Units	7044677002 Result	Dup Result	RPD	Qualifiers
Ca Hardness as CaCO ₃ (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 asCaCO ₃ (SM 2340B)	ug/L	803000	829000	3	

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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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QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER

Pace Project No.: 7044677

MATRIX SPIKE SAMPLE: 273602		7044677012	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% 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	Dup	RPD	Qualifiers
		Result	Result		
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	Dup	RPD	Qualifiers
		Result	Result		
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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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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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	CL
Dibromomethane	ug/L	<1.0	1.0	03/08/18 15:52	
Dichlorodifluoromethane	ug/L	<1.0	1.0	03/08/18 15:52	
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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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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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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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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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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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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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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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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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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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

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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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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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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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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	

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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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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

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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

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QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER

Pace Project No.: 7044677

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 273020 273021											
Parameter	Units	7044677012		MS	MSD	MS		MSD	% Rec		Qual
		Result	Conc.	Spike	Spike	Result	Result	Result	% Rec	Limits	
Bromobenzene	ug/L	<1.0	50	50	50	49.2	48.3	98	97	72-102	2
Bromochloromethane	ug/L	<1.0	50	50	50	51.6	50.0	103	100	81-116	3
Bromodichloromethane	ug/L	<1.0	50	50	50	50.9	50.1	102	100	78-117	2
Bromoform	ug/L	<1.0	50	50	50	49.1	49.7	98	99	65-122	1
Bromomethane	ug/L	<1.0	50	50	50	55.0	53.7	110	107	52-147	2
Carbon disulfide	ug/L	<1.0	50	50	50	51.9	49.8	104	100	41-144	4
Carbon tetrachloride	ug/L	<1.0	50	50	50	53.4	52.7	107	105	59-120	1
Chlorobenzene	ug/L	<1.0	50	50	50	49.4	48.8	99	98	75-113	1
Chloroethane	ug/L	<1.0	50	50	50	53.1	50.6	106	101	49-151	5
Chloroform	ug/L	<1.0	50	50	50	51.4	49.5	103	99	72-122	4
Chloromethane	ug/L	<1.0	50	50	50	57.9	56.5	116	113	46-144	3
cis-1,2-Dichloroethene	ug/L	1.1	50	50	50	55.1	53.4	108	105	72-121	3
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	50	56.3	56.4	113	113	78-116	0
Dibromochloromethane	ug/L	<1.0	50	50	50	48.3	48.3	97	97	70-120	0
Dibromomethane	ug/L	<1.0	50	50	50	48.9	48.4	98	97	75-125	1
Dichlorodifluoromethane	ug/L	<1.0	50	50	50	48.7	47.1	97	94	22-154	3
Ethylbenzene	ug/L	<1.0	50	50	50	49.7	48.2	99	96	70-113	3
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	50	38.0	39.4	76	79	59-121	4
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	50	50.3	48.7	101	97	67-115	3
m&p-Xylene	ug/L	<2.0	100	100	100	98.7	97.2	99	97	72-115	2
Methyl-tert-butyl ether	ug/L	<1.0	50	50	50	44.9	43.6	90	87	72-131	3
Methylene Chloride	ug/L	<1.0	50	50	50	50.5	46.2	101	92	61-142	9
n-Butylbenzene	ug/L	<1.0	50	50	50	45.9	45.2	92	90	73-107	2
n-Propylbenzene	ug/L	<1.0	50	50	50	50.0	48.6	100	97	68-116	3
Naphthalene	ug/L	<1.0	50	50	50	43.4	45.8	87	92	70-118	5
o-Xylene	ug/L	<1.0	50	50	50	49.0	49.0	98	98	73-117	0
p-Isopropyltoluene	ug/L	<1.0	50	50	50	45.2	44.4	90	89	73-101	2
sec-Butylbenzene	ug/L	<1.0	50	50	50	47.4	46.8	95	94	72-103	1
Styrene	ug/L	<1.0	50	50	50	49.3	48.7	99	97	72-118	1
tert-Butylbenzene	ug/L	<1.0	50	50	50	47.7	46.7	95	93	68-100	2
Tetrachloroethene	ug/L	<1.0	50	50	50	52.5	52.0	105	104	60-128	1
Toluene	ug/L	<1.0	50	50	50	50.9	50.4	102	101	72-119	1
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	50	56.6	53.8	113	108	56-142	5
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	50	55.3	55.3	111	111	79-116	0
Trichloroethene	ug/L	<1.0	50	50	50	49.2	48.5	98	97	69-117	1
Trichlorofluoromethane	ug/L	<1.0	50	50	50	52.1	50.1	104	100	27-173	4
Vinyl acetate	ug/L	<1.0	50	50	50	49.8	48.4	100	97	20-158	3
Vinyl chloride	ug/L	<1.0	50	50	50	57.4	55.8	115	112	43-143	3
Xylene (Total)	ug/L	<3.0	150	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

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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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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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QUALITY CONTROL DATA

Project: ALCO QUARTERLY GROUNDWATER
Pace Project No.: 7044677

QC Batch:	59452	Analysis Method:	EPA 353.2
QC Batch 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		

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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		

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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		

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REPORT OF LABORATORY ANALYSIS

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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.

REPORT OF LABORATORY ANALYSIS

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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.

REPORT OF LABORATORY ANALYSIS

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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		

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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		

REPORT OF LABORATORY ANALYSIS

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NO#: 7044677

PM: CNP Due Date: 03/13/18

CLIENT: B&L

Page: 1 of 1

Section B

Required Project Information:

Report To: ANDY BARBER

Copy To: CORINNE STEINMUELLER

Address: NYAP@PACELABS.COM

ALBANY, NY 12205

PROJECT: ALCO (DISCHARGE)

Phone: (518)218-1801 Fax: (518)218-1805

Standard

Requested Due Date/TAT:

Section D

Required Client Information

SAMPLE ID

(A-Z, 0-9, /, -)

Sample IDs MUST BE UNIQUE

Valid Matrix Codes

DRINKING WATER

WASTE WATER

PRODUCT

LIQUID

SOLID

WIRE

OTHER

TS

CODE

DRINKING WATER

WASTE WATER

PRODUCT

LIQUID

SOLID

WIRE

OTHER

TS

CODE

DRINKING WATER

WASTE WATER

PRODUCT

LIQUID

SOLID

WIRE

OTHER

TS

CODE

DRINKING WATER

WASTE WATER

PRODUCT

LIQUID

SOLID

WIRE

OTHER

TS

CODE

DRINKING WATER

WASTE WATER

PRODUCT

LIQUID

SOLID

WIRE

OTHER

TS

CODE

DRINKING WATER

Section A

Required Client Information:

Company: BARTON & LOGUIDICE DPC

Address: 10 AIRLINE DR., SUITE 200

ALBANY, NY 12205

Phone: (518)218-1801 Fax: (518)218-1805

Standard

Requested Due Date/TAT:

Section C

Required Project Information:

Report To: ANDY BARBER

Copy To: CORINNE STEINMUELLER

Address: NYAP@PACELABS.COM

ALBANY, NY 12205

PROJECT: ALCO (DISCHARGE)

Phone: (518)218-1801 Fax: (518)218-1805

Standard

Requested Due Date/TAT:

Section D

Required Client Information

SAMPLE ID

(A-Z, 0-9, /, -)

Sample IDs MUST BE UNIQUE

Valid Matrix Codes

DRINKING WATER

WASTE WATER

PRODUCT

LIQUID

SOLID

WIRE

OTHER

TS

CODE

DRINKING WATER

WASTE WATER

PRODUCT

LIQUID

SOLID

WIRE

OTHER

TS

CODE

DRINKING WATER

WASTE WATER

PRODUCT

LIQUID

SOLID

WIRE

OTHER

TS

CODE

DRINKING WATER

WASTE WATER

PRODUCT

LIQUID

SOLID

WIRE

OTHER

TS

CODE

DRINKING WATER

Company Name: PACE ANALYTICAL SERVICES

Address: NYAP@PACELABS.COM

ALBANY, NY 12205

PROJECT: ALCO (DISCHARGE)

Phone: (518)218-1801 Fax: (518)218-1805

Standard

Requested Due Date/TAT:

Section C

Required Project Information:

Report To: ANDY BARBER

Copy To: CORINNE STEINMUELLER

Address: NYAP@PACELABS.COM

ALBANY, NY 12205

PROJECT: ALCO (DISCHARGE)

Phone: (518)218-1801 Fax: (518)218-1805

Standard

Requested Due Date/TAT:

Section D

Required Client Information

SAMPLE ID

(A-Z, 0-9, /, -)

Sample IDs MUST BE UNIQUE

Valid Matrix Codes

DRINKING WATER

WASTE WATER

PRODUCT

LIQUID

SOLID

WIRE

OTHER

TS

CODE

DRINKING WATER

WASTE WATER

PRODUCT

LIQUID

SOLID

WIRE

OTHER

TS

CODE

DRINKING WATER

WASTE WATER

PRODUCT

LIQUID

SOLID

WIRE

OTHER

TS

CODE

DRINKING WATER

WASTE WATER

PRODUCT

LIQUID

SOLID

WIRE

OTHER

TS

CODE

DRINKING WATER

REGULATORY AGENCY

NPDES

GROUND WATER

DRINKING WATER

UST

RCRA

OTHER

SITE

LOCATION

GA

IL

IN

M

NC

OH

SC

W

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

2

3

4

5

6

7

8

9

10

11

12

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

Temp in °C

Received on

Ice

Custody Sealed

Cooler

Samples Intact

Y/N

Y/N

Company Name: PACE ANALYTICAL SERVICES

Address: NYAP@PACELABS.COM

ALBANY, NY 12205

PROJECT: ALCO (DISCHARGE)

Phone: (518)218-1801 Fax: (518)218-1805

Standard

Requested Due Date/TAT:

Section C

Required Project Information:

Report To: ANDY BARBER

Copy To: CORINNE STEINMUELLER

Address: NYAP@PACELABS.COM

ALBANY, NY 12205

PROJECT: ALCO (DISCHARGE)

Phone: (518)218-1801 Fax: (518)218-1805

Standard

Requested Due Date/TAT:

Section D

Required Client Information

SAMPLE ID

(A-Z, 0-9, /, -)

Sample IDs MUST BE UNIQUE

Valid Matrix Codes

DRINKING WATER



Sample Condition Upon Receipt

Client Name:

15+L

Project

NO#: 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 originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-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 ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot #			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☒ Yes	☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis			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:

September 18, 2018

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

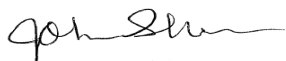
RE: Project: ALCO DISCHARGE (Q3) 9/5
Pace Project No.: 7063856

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



REPORT OF LABORATORY ANALYSIS

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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

REPORT OF LABORATORY ANALYSIS

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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

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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	

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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 CaCO ₃ (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 asCaCO ₃ (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	

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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	
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		

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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		

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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		

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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 CaCO ₃ (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 asCaCO ₃ (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	

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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		

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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	
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		

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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	

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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		

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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	

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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		

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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		

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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 CaCO ₃ (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 asCaCO ₃ (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	

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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		

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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 CaCO ₃ (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 asCaCO ₃ (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	

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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		

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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 CaCO ₃ (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 asCaCO ₃ (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	

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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		

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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

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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

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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 CaCO ₃ (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 asCaCO ₃ (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 CaCO ₃ (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 asCaCO ₃ (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 CaCO ₃ (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 asCaCO ₃ (SM 2340B	ug/L	209000		363000			

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QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5

Pace Project No.: 7063856

MATRIX SPIKE SAMPLE: 378281		7063856006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Ca Hardness as CaCO ₃ (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 asCaCO ₃ (SM 2340B	ug/L	997000		1160000			

SAMPLE DUPLICATE: 378278

		7063820001	Dup			
Parameter	Units	Result	Result	RPD	Qualifiers	
Ca Hardness as CaCO ₃ (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 asCaCO ₃ (SM 2340B	ug/L	209000	217000	4		

SAMPLE DUPLICATE: 378280

		7063856006	Dup			
Parameter	Units	Result	Result	RPD	Qualifiers	
Ca Hardness as CaCO ₃ (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 asCaCO ₃ (SM 2340B	ug/L	997000	965000	3		

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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	

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REPORT OF LABORATORY ANALYSIS

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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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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

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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

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QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5

Pace Project No.: 7063856

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 380308				380309							
		7063856006	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% 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

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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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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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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

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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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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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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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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	

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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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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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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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QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q3) 9/5

Pace Project No.: 7063856

QC Batch:	82006	Analysis Method:	EPA 353.2
QC Batch 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	

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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.

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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.

REPORT OF LABORATORY ANALYSIS

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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		

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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		

REPORT OF LABORATORY ANALYSIS

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Chain-Of-Custody Analytical Request Document

LAB USE ONLY - ALL

W0#: 7063856

7063856

Company: BARTON & LOGUIDICE

Address: 10 AIRLINE DR. SUITE 200 ALBANY, NY 12205

Report To: ANDY BARBER

Copy To: CORINNE STEINMULLER

Customer Project Name/Number: ALCO DISCHARGE (Q3)

Phone: (518)218-1801

Email: CSTEINMULLER@BARTONANDLOGUIDICE.COM

Site/Facility ID #

Purchase Order # 1368-001-001

Quote #

Turnaround Date Required: 2 WEEK

RUSH: Same Day Next Day Day 3 Day 4 Day 5 Day (Expedite Charges Apply)

Sample Disposal: [X] Dispose as appropriate [] Return [] Archive [] Hold

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* Compl Grab

Collected (or Composite Start) Date Time

Composite End Date Time

Res Cl

of Cms

VOC 8260

SULFATE

CHLORIDE

NITRATE

TOTAL HARDNESS

MS/MSD

LAB Sample Receipt Checklist:

Custody Seals Present/Intact

Custody Signatures Present

Collector Signatures Present

Bottles Intact

Correct Bottles

Sufficient Volume

Samples received on ice

VOA - Headspace Acceptable

USDA Regulated Soils

Samples in holding time

Residual Chlorine Present

CI Strips:

Sample pH Acceptable

pH Strips:

Sulfide Present

Lead Acetate Strips:

LAB Sample Temperature Info:

Temp Blank received:

Therm ID #

Cooler 1 Temp Upon Receipt

Cooler 1 Therm Corr. Factor

Cooler 1 Corrected Temp

Comments:

Trip Blank Received:

HCL MeOH TSP Other

NonConformance(s)

YES / NO

Page of

December 17, 2018

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

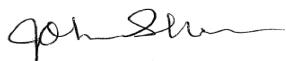
RE: Project: ALCO DISCHARGE (Q4)
Pace Project No.: 7072864

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



REPORT OF LABORATORY ANALYSIS

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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

REPORT OF LABORATORY ANALYSIS

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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 CaCO ₃ (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 asCaCO ₃ (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

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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

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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 CaCO ₃ (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 asCaCO ₃ (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	

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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		

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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		

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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		

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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	
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		

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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		

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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 CaCO ₃ (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 asCaCO ₃ (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	

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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		

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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		

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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	
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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 CaCO ₃ (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 asCaCO ₃ (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	

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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		

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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	
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		

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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		

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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 CaCO ₃ (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 asCaCO ₃ (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	

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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		

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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	
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		

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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

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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 CaCO ₃ (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 asCaCO ₃ (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	

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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		

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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	

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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

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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 CaCO ₃ (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 asCaCO ₃ (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 CaCO ₃ (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 asCaCO ₃ (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 CaCO ₃ (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 asCaCO ₃ (SM 2340B	ug/L	351000		497000			

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QUALITY CONTROL DATA

Project: ALCO DISCHARGE (Q4)

Pace Project No.: 7072864

MATRIX SPIKE SAMPLE: 433201		7072864006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Ca Hardness as CaCO ₃ (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 asCaCO ₃ (SM 2340B)	ug/L	1130000		1340000			

SAMPLE DUPLICATE: 433198

		7072799001	Dup				
Parameter	Units	Result	Result	RPD		Qualifiers	
Ca Hardness as CaCO ₃ (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 asCaCO ₃ (SM 2340B)	ug/L	351000	335000	5			

SAMPLE DUPLICATE: 433200

		7072864006	Dup				
Parameter	Units	Result	Result	RPD		Qualifiers	
Ca Hardness as CaCO ₃ (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 asCaCO ₃ (SM 2340B)	ug/L	1130000	1150000	2			

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REPORT OF LABORATORY ANALYSIS

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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

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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

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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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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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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

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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	

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REPORT OF LABORATORY ANALYSIS

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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		

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REPORT OF LABORATORY ANALYSIS

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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	

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REPORT OF LABORATORY ANALYSIS

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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.

REPORT OF LABORATORY ANALYSIS

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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.

REPORT OF LABORATORY ANALYSIS

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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

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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		

REPORT OF LABORATORY ANALYSIS

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Chain-of-Custody Analytical Request Document

WO#: 7072864

USE ONLY

7072864

Company: BARTON & LOGUIDICE

Address: 10 AIRLINE DR. SUITE 200 ALBANY, NY 12205

Report To: ANDY BARBER

Copy To: CORINNE STEINMULLER

Customer Project Name/Number: ALCO DISCHARGE (Q4)

Phone: (518)218-1801

Email: CSTEINMULLER@BARTONANDLOGUIDICE.COM

Site/Facility ID #: 1450

Purchase Order #: 1308-00100

Quote #: 2 WEEK

Turnaround Date Required: 2 WEEK

RUSH: Same Day Next Day 2 Day 3 Day 4 Day 5 Day (Expedite Charges Apply)

Sample Disposal: [X] Dispose as appropriate [] Return [] Archive [] Hold

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), 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* Grab

Collected (or Composite Start) Date Time

Composite End Date Time

Res Cl

of Chs

VOC 8260

SULFATE

CHLORIDE

NITRATE

TOTAL HARDNESS

MS/MSD

Analyses

LAB Sample Receipt Checklist:

Custody Seals Present/Intact

Custody Signatures Present

Collector Signatures Present

Bottles Intact

Correct Bottles

Sufficient Volume

Samples received on ice

VOA - Headspace Acceptable

USDA Regulated Solids

Samples in holding time

Residual Chlorine Present

Cl Strips:

Sample pH Acceptable

pH Strips: 8.5-7.4

Sulfide Present

Lead Acetate Strips:

LAB Sample Temperature Info:

Temp Blank received:

Therm ID #: 71091

Therm 1 Temp Upon Receipt: 0.12

Cooler 1 Temp Upon Receipt: 0.0

Cooler 1 Therm Corr. Factor: 0.0

Cooler 1 Corrected Temp: 0.12

Comments:

Trips Blank Received: 0 N/A

MeOH TSP Other

NonConformance(s): YES / NO

Page of 1

ATTACHMENT D
Harbor Sampling Results

December 14, 2018

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

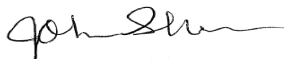
RE: Project: VOCS 12/6
Pace Project No.: 7073241

Dear Corinne Steinmuller:

Enclosed are the analytical results for sample(s) received by the laboratory on December 07, 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: VOCS 12/6

Pace Project No.: 7073241

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: VOCS 12/6

Pace Project No.: 7073241

Sample: HB-S **Lab ID:** 7073241001 **Collected:** 12/06/18 07:55 **Received:** 12/07/18 10:30 **Matrix:** Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
1,1,1,2-Tetrachloroethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	630-20-6	
1,1,1-Trichloroethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	71-55-6	
1,1,2,2-Tetrachloroethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	79-34-5	
1,1,2-Trichloroethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	79-00-5	
1,1-Dichloroethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	75-34-3	
1,1-Dichloroethene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	75-35-4	
1,1-Dichloropropene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	563-58-6	
1,2,3-Trichlorobenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	87-61-6	
1,2,3-Trichloropropane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	96-18-4	CL
1,2,4-Trichlorobenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	120-82-1	
1,2,4-Trimethylbenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	95-63-6	
1,2-Dibromo-3-chloropropane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	96-12-8	CL
1,2-Dibromoethane (EDB)	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	106-93-4	
1,2-Dichlorobenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	95-50-1	
1,2-Dichloroethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	107-06-2	CL
1,2-Dichloropropane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	78-87-5	
1,3,5-Trimethylbenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	108-67-8	
1,3-Dichlorobenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	541-73-1	
1,3-Dichloropropane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	142-28-9	
1,4-Dichlorobenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	106-46-7	
2,2-Dichloropropane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	594-20-7	
2-Butanone (MEK)	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	78-93-3	
2-Chloroethylvinyl ether	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	110-75-8	CL,L2, M0
2-Chlorotoluene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	95-49-8	
2-Hexanone	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	591-78-6	
4-Chlorotoluene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	108-10-1	CL
Acetone	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	67-64-1	M1
Benzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	71-43-2	
Bromobenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	108-86-1	
Bromochloromethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	74-97-5	
Bromodichloromethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	75-27-4	
Bromoform	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	75-25-2	
Bromomethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	74-83-9	
Carbon disulfide	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	75-15-0	
Carbon tetrachloride	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	56-23-5	
Chlorobenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	108-90-7	
Chloroethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	75-00-3	
Chloroform	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	67-66-3	
Chloromethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	74-87-3	IL
Dibromochloromethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	124-48-1	
Dibromomethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	74-95-3	
Dichlorodifluoromethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	75-71-8	
Ethylbenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	100-41-4	
Hexachloro-1,3-butadiene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: VOCS 12/6

Pace Project No.: 7073241

Sample: HB-S **Lab ID:** 7073241001 **Collected:** 12/06/18 07:55 **Received:** 12/07/18 10:30 **Matrix:** Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
Isopropylbenzene (Cumene)	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	98-82-8	
Methyl-tert-butyl ether	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	1634-04-4	
Methylene Chloride	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	75-09-2	CL
Naphthalene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	91-20-3	
Styrene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	100-42-5	
Tetrachloroethene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	127-18-4	
Toluene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	108-88-3	
Trichloroethene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	79-01-6	
Trichlorofluoromethane	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	75-69-4	CL
Vinyl acetate	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	108-05-4	CL
Vinyl chloride	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	75-01-4	
Xylene (Total)	<6.2	ug/kg	6.2	1	12/12/18 10:01	12/12/18 13:05	1330-20-7	
cis-1,2-Dichloroethene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	156-59-2	
cis-1,3-Dichloropropene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	10061-01-5	
m&p-Xylene	<6.2	ug/kg	6.2	1	12/12/18 10:01	12/12/18 13:05	179601-23-1	
n-Butylbenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	104-51-8	
n-Propylbenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	103-65-1	
o-Xylene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	95-47-6	
p-Isopropyltoluene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	99-87-6	
sec-Butylbenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	135-98-8	
tert-Butylbenzene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	98-06-6	
trans-1,2-Dichloroethene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	156-60-5	
trans-1,3-Dichloropropene	<3.1	ug/kg	3.1	1	12/12/18 10:01	12/12/18 13:05	10061-02-6	
Surrogates								
Toluene-d8 (S)	122	%	43-157	1	12/12/18 10:01	12/12/18 13:05	2037-26-5	
4-Bromofluorobenzene (S)	97	%	34-145	1	12/12/18 10:01	12/12/18 13:05	460-00-4	
1,2-Dichloroethane-d4 (S)	83	%	33-150	1	12/12/18 10:01	12/12/18 13:05	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	25.4	%	0.10	1		12/14/18 12:40		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: VOCS 12/6

Pace Project No.: 7073241

Sample: HB-W		Lab ID: 7073241002		Collected: 12/06/18 08:00		Received: 12/07/18 10:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1							
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/10/18 10:11	71-55-6		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/10/18 10:11	95-63-6	N2	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/10/18 10:11	108-67-8	N2	
Benzene	<1.0	ug/L	1.0	1		12/10/18 10:11	71-43-2		
Chloroform	<1.0	ug/L	1.0	1		12/10/18 10:11	67-66-3		
Ethylbenzene	<1.0	ug/L	1.0	1		12/10/18 10:11	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		12/10/18 10:11	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		12/10/18 10:11	91-20-3	N2	
Toluene	<1.0	ug/L	1.0	1		12/10/18 10:11	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		12/10/18 10:11	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/10/18 10:11	75-69-4		
Xylene (Total)	<1.0	ug/L	1.0	1		12/10/18 10:11	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/10/18 10:11	156-59-2		
Surrogates									
4-Bromofluorobenzene (S)	99	%	79-124	1		12/10/18 10:11	460-00-4		
Toluene-d8 (S)	95	%	69-127	1		12/10/18 10:11	2037-26-5		
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/10/18 10:11	17060-07-0		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: VOCS 12/6

Pace Project No.: 7073241

QC Batch: 94152

Analysis Method: EPA 624.1

QC Batch Method: EPA 624.1

Analysis Description: 624.1 MSV

Associated Lab Samples: 7073241002

METHOD BLANK: 435288

Matrix: Water

Associated Lab Samples: 7073241002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/10/18 08:07	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	12/10/18 08:07	N2
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	12/10/18 08:07	N2
Benzene	ug/L	<1.0	1.0	12/10/18 08:07	
Chloroform	ug/L	<1.0	1.0	12/10/18 08:07	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/10/18 08:07	
Ethylbenzene	ug/L	<1.0	1.0	12/10/18 08:07	
Methylene Chloride	ug/L	<1.0	1.0	12/10/18 08:07	
Naphthalene	ug/L	<1.0	1.0	12/10/18 08:07	N2
Toluene	ug/L	<1.0	1.0	12/10/18 08:07	
Trichloroethene	ug/L	<1.0	1.0	12/10/18 08:07	
Trichlorofluoromethane	ug/L	<1.0	1.0	12/10/18 08:07	
Xylene (Total)	ug/L	<1.0	1.0	12/10/18 08:07	
1,2-Dichloroethane-d4 (S)	%	113	68-153	12/10/18 08:07	
4-Bromofluorobenzene (S)	%	100	79-124	12/10/18 08:07	
Toluene-d8 (S)	%	96	69-127	12/10/18 08:07	

LABORATORY CONTROL SAMPLE: 435289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.5	112	52-162	
1,2,4-Trimethylbenzene	ug/L	20	18.8	94	40-160	N2
1,3,5-Trimethylbenzene	ug/L	20	18.6	93	40-160	N2
Benzene	ug/L	20	20.9	104	65-135	
Chloroform	ug/L	20	19.6	98	51-138	
cis-1,2-Dichloroethene	ug/L	20	18.2	91	40-160	
Ethylbenzene	ug/L	20	19.8	99	37-162	
Methylene Chloride	ug/L	20	17.2	86	10-221	
Naphthalene	ug/L	20	17.6	88	40-160	N2
Toluene	ug/L	20	20.6	103	47-150	
Trichloroethene	ug/L	20	20.8	104	70-157	
Trichlorofluoromethane	ug/L	20	18.7	93	17-181	
Xylene (Total)	ug/L	60	61.2	102	40-160	
1,2-Dichloroethane-d4 (S)	%			119	68-153	
4-Bromofluorobenzene (S)	%			101	79-124	
Toluene-d8 (S)	%			96	69-127	

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QUALITY CONTROL DATA

Project: VOCS 12/6

Pace Project No.: 7073241

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 435577 435578											
Parameter	Units	7073241002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	20	20	23.6	22.5	118	112	70-130	5	
1,2,4-Trimethylbenzene	ug/L	<1.0	20	20	18.9	17.8	95	89	40-160	6	N2
1,3,5-Trimethylbenzene	ug/L	<1.0	20	20	19.2	17.7	96	88	40-160	8	N2
Benzene	ug/L	<1.0	20	20	21.4	20.3	107	102	37-151	5	
Chloroform	ug/L	<1.0	20	20	20.1	19.1	101	95	70-135	6	
cis-1,2-Dichloroethene	ug/L	<1.0	20	20	18.1	17.4	91	87	40-160	4	
Ethylbenzene	ug/L	<1.0	20	20	20.2	19.1	101	95	40-160	6	
Methylene Chloride	ug/L	<1.0	20	20	15.6	14.8	78	74	40-160	5	
Naphthalene	ug/L	<1.0	20	20	16.8	19.2	84	96	40-160	14	N2
Toluene	ug/L	<1.0	20	20	21.2	20.2	106	101	70-130	4	
Trichloroethene	ug/L	<1.0	20	20	21.7	20.2	109	101	65-135	7	
Trichlorofluoromethane	ug/L	<1.0	20	20	20.2	18.6	101	93	50-150	9	
Xylene (Total)	ug/L	<1.0	60	60	62.1	58.5	103	97	40-160	6	
1,2-Dichloroethane-d4 (S)	%						115	117	68-153		
4-Bromofluorobenzene (S)	%						100	101	79-124		
Toluene-d8 (S)	%						96	96	69-127		

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QUALITY CONTROL DATA

Project: VOCS 12/6

Pace Project No.: 7073241

QC Batch: 94588

Analysis Method: EPA 8260C

QC Batch Method: EPA 5035A-L

Analysis Description: 8260 MSV 5035A-L Low Level

Associated Lab Samples: 7073241001

METHOD BLANK: 437213

Matrix: Solid

Associated Lab Samples: 7073241001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.0	2.0	12/12/18 11:11	
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	12/12/18 11:11	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	12/12/18 11:11	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	12/12/18 11:11	
1,1-Dichloroethane	ug/kg	<2.0	2.0	12/12/18 11:11	
1,1-Dichloroethene	ug/kg	<2.0	2.0	12/12/18 11:11	
1,1-Dichloropropene	ug/kg	<2.0	2.0	12/12/18 11:11	
1,2,3-Trichlorobenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
1,2,3-Trichloropropane	ug/kg	<2.0	2.0	12/12/18 11:11	CL
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
1,2,4-Trimethylbenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	12/12/18 11:11	CL
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	12/12/18 11:11	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
1,2-Dichloroethane	ug/kg	<2.0	2.0	12/12/18 11:11	CL
1,2-Dichloropropane	ug/kg	<2.0	2.0	12/12/18 11:11	
1,3,5-Trimethylbenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
1,3-Dichloropropane	ug/kg	<2.0	2.0	12/12/18 11:11	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
2,2-Dichloropropane	ug/kg	<2.0	2.0	12/12/18 11:11	
2-Butanone (MEK)	ug/kg	<2.0	2.0	12/12/18 11:11	
2-Chloroethylvinyl ether	ug/kg	<2.0	2.0	12/12/18 11:11	CL
2-Chlorotoluene	ug/kg	<2.0	2.0	12/12/18 11:11	
2-Hexanone	ug/kg	<2.0	2.0	12/12/18 11:11	
4-Chlorotoluene	ug/kg	<2.0	2.0	12/12/18 11:11	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	12/12/18 11:11	CL
Acetone	ug/kg	<2.0	2.0	12/12/18 11:11	
Benzene	ug/kg	<2.0	2.0	12/12/18 11:11	
Bromobenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
Bromochloromethane	ug/kg	<2.0	2.0	12/12/18 11:11	
Bromodichloromethane	ug/kg	<2.0	2.0	12/12/18 11:11	
Bromoform	ug/kg	<2.0	2.0	12/12/18 11:11	
Bromomethane	ug/kg	<2.0	2.0	12/12/18 11:11	
Carbon disulfide	ug/kg	<2.0	2.0	12/12/18 11:11	
Carbon tetrachloride	ug/kg	<2.0	2.0	12/12/18 11:11	
Chlorobenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
Chloroethane	ug/kg	<2.0	2.0	12/12/18 11:11	
Chloroform	ug/kg	<2.0	2.0	12/12/18 11:11	
Chloromethane	ug/kg	<2.0	2.0	12/12/18 11:11	IL
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	12/12/18 11:11	

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QUALITY CONTROL DATA

Project: VOCS 12/6

Pace Project No.: 7073241

METHOD BLANK: 437213

Matrix: Solid

Associated Lab Samples: 7073241001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	12/12/18 11:11	
Dibromochloromethane	ug/kg	<2.0	2.0	12/12/18 11:11	
Dibromomethane	ug/kg	<2.0	2.0	12/12/18 11:11	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	12/12/18 11:11	
Ethylbenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
Hexachloro-1,3-butadiene	ug/kg	<2.0	2.0	12/12/18 11:11	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	12/12/18 11:11	
m&p-Xylene	ug/kg	<3.9	3.9	12/12/18 11:11	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	12/12/18 11:11	
Methylene Chloride	ug/kg	<2.0	2.0	12/12/18 11:11	CL
n-Butylbenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
n-Propylbenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
Naphthalene	ug/kg	<2.0	2.0	12/12/18 11:11	
o-Xylene	ug/kg	<2.0	2.0	12/12/18 11:11	
p-Isopropyltoluene	ug/kg	<2.0	2.0	12/12/18 11:11	
sec-Butylbenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
Styrene	ug/kg	<2.0	2.0	12/12/18 11:11	
tert-Butylbenzene	ug/kg	<2.0	2.0	12/12/18 11:11	
Tetrachloroethene	ug/kg	<2.0	2.0	12/12/18 11:11	
Toluene	ug/kg	<2.0	2.0	12/12/18 11:11	
trans-1,2-Dichloroethene	ug/kg	<2.0	2.0	12/12/18 11:11	
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	12/12/18 11:11	
Trichloroethene	ug/kg	<2.0	2.0	12/12/18 11:11	
Trichlorofluoromethane	ug/kg	<2.0	2.0	12/12/18 11:11	CL
Vinyl acetate	ug/kg	<2.0	2.0	12/12/18 11:11	CL
Vinyl chloride	ug/kg	<2.0	2.0	12/12/18 11:11	
Xylene (Total)	ug/kg	<3.9	3.9	12/12/18 11:11	
1,2-Dichloroethane-d4 (S)	%	91	33-150	12/12/18 11:11	
4-Bromofluorobenzene (S)	%	106	34-145	12/12/18 11:11	
Toluene-d8 (S)	%	114	43-157	12/12/18 11:11	

LABORATORY CONTROL SAMPLE: 437214

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	49.9	51.4	103	74-140	
1,1,1-Trichloroethane	ug/kg	49.9	41.7	84	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	49.9	43.2	87	69-132	
1,1,2-Trichloroethane	ug/kg	49.9	46.4	93	73-135	
1,1-Dichloroethane	ug/kg	49.9	37.8	76	53-160	
1,1-Dichloroethene	ug/kg	49.9	37.7	75	47-152	
1,1-Dichloropropene	ug/kg	49.9	42.3	85	56-130	
1,2,3-Trichlorobenzene	ug/kg	49.9	61.7	124	48-144	
1,2,3-Trichloropropane	ug/kg	49.9	41.7	84	67-129	CL
1,2,4-Trichlorobenzene	ug/kg	49.9	56.3	113	52-140	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: VOCS 12/6

Pace Project No.: 7073241

LABORATORY CONTROL SAMPLE: 437214

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	49.9	45.4	91	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	49.9	42.1	84	57-140	CL
1,2-Dibromoethane (EDB)	ug/kg	49.9	48.0	96	76-138	
1,2-Dichlorobenzene	ug/kg	49.9	52.9	106	67-125	
1,2-Dichloroethane	ug/kg	49.9	34.8	70	65-143	CL
1,2-Dichloropropane	ug/kg	49.9	48.3	97	72-131	
1,3,5-Trimethylbenzene	ug/kg	49.9	49.1	98	49-134	
1,3-Dichlorobenzene	ug/kg	49.9	54.2	109	64-124	
1,3-Dichloropropane	ug/kg	49.9	50.1	100	73-130	
1,4-Dichlorobenzene	ug/kg	49.9	53.2	107	61-127	
2,2-Dichloropropane	ug/kg	49.9	35.2	71	55-140	
2-Butanone (MEK)	ug/kg	49.9	36.3	73	52-164	
2-Chloroethylvinyl ether	ug/kg	49.9	15.2	30	43-183	CL,L2
2-Chlorotoluene	ug/kg	49.9	50.7	102	62-125	
2-Hexanone	ug/kg	49.9	41.1	82	66-151	
4-Chlorotoluene	ug/kg	49.9	49.6	99	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	49.9	39.0	78	63-154	CL
Acetone	ug/kg	49.9	31.4	63	23-196	
Benzene	ug/kg	49.9	47.4	95	65-129	
Bromobenzene	ug/kg	49.9	51.0	102	63-130	
Bromochloromethane	ug/kg	49.9	46.8	94	78-136	
Bromodichloromethane	ug/kg	49.9	47.3	95	74-141	
Bromoform	ug/kg	49.9	50.3	101	59-136	
Bromomethane	ug/kg	49.9	61.1	122	32-182	CH
Carbon disulfide	ug/kg	49.9	37.7	76	26-160	
Carbon tetrachloride	ug/kg	49.9	41.6	83	57-135	
Chlorobenzene	ug/kg	49.9	54.8	110	62-136	
Chloroethane	ug/kg	49.9	36.4	73	50-159	
Chloroform	ug/kg	49.9	40.1	80	71-135	
Chloromethane	ug/kg	49.9	37.4	75	44-139	IL
cis-1,2-Dichloroethene	ug/kg	49.9	43.1	86	75-130	
cis-1,3-Dichloropropene	ug/kg	49.9	48.3	97	74-140	
Dibromochloromethane	ug/kg	49.9	50.8	102	71-133	
Dibromomethane	ug/kg	49.9	46.9	94	75-136	
Dichlorodifluoromethane	ug/kg	49.9	38.7	78	10-155	
Ethylbenzene	ug/kg	49.9	51.8	104	59-135	
Hexachloro-1,3-butadiene	ug/kg	49.9	51.1	102	19-152	
Isopropylbenzene (Cumene)	ug/kg	49.9	49.2	99	56-129	
m&p-Xylene	ug/kg	99.8	98.4	99	69-133	
Methyl-tert-butyl ether	ug/kg	49.9	44.1	88	25-171	
Methylene Chloride	ug/kg	49.9	39.1	78	50-164	CL
n-Butylbenzene	ug/kg	49.9	50.7	102	54-121	
n-Propylbenzene	ug/kg	49.9	49.1	98	56-125	
Naphthalene	ug/kg	49.9	51.8	104	55-145	
o-Xylene	ug/kg	49.9	52.9	106	71-135	
p-Isopropyltoluene	ug/kg	49.9	52.2	105	54-126	
sec-Butylbenzene	ug/kg	49.9	51.3	103	50-126	

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QUALITY CONTROL DATA

Project: VOCS 12/6

Pace Project No.: 7073241

LABORATORY CONTROL SAMPLE: 437214

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/kg	49.9	55.9	112	73-133	
tert-Butylbenzene	ug/kg	49.9	47.6	95	56-127	
Tetrachloroethene	ug/kg	49.9	63.6	128	10-176	CH
Toluene	ug/kg	49.9	48.3	97	66-131	
trans-1,2-Dichloroethene	ug/kg	49.9	42.4	85	53-157	
trans-1,3-Dichloropropene	ug/kg	49.9	47.0	94	66-144	
Trichloroethene	ug/kg	49.9	47.4	95	62-130	
Trichlorofluoromethane	ug/kg	49.9	32.8	66	38-166	CL
Vinyl acetate	ug/kg	49.9	17.7	35	10-155	CL
Vinyl chloride	ug/kg	49.9	36.1	72	45-137	
Xylene (Total)	ug/kg	150	151	101	62-135	
1,2-Dichloroethane-d4 (S)	%			81	33-150	
4-Bromofluorobenzene (S)	%			107	34-145	
Toluene-d8 (S)	%			114	43-157	

MATRIX SPIKE SAMPLE: 437408

Parameter	Units	7073241001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<3.1	74.2	72.8	98	74-140	
1,1,1-Trichloroethane	ug/kg	<3.1	74.2	65.0	88	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	<3.1	74.2	68.3	92	69-132	
1,1,2-Trichloroethane	ug/kg	<3.1	74.2	59.9	81	73-135	
1,1-Dichloroethane	ug/kg	<3.1	74.2	55.4	75	53-160	
1,1-Dichloroethene	ug/kg	<3.1	74.2	62.7	85	47-152	
1,1-Dichloropropene	ug/kg	<3.1	74.2	65.8	89	56-130	
1,2,3-Trichlorobenzene	ug/kg	<3.1	74.2	49.9	67	48-144	
1,2,3-Trichloropropane	ug/kg	<3.1	74.2	66.1	89	67-129	CL
1,2,4-Trichlorobenzene	ug/kg	<3.1	74.2	48.5	65	52-140	
1,2,4-Trimethylbenzene	ug/kg	<3.1	74.2	71.8	97	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	<3.1	74.2	57.7	78	57-140	CL
1,2-Dibromoethane (EDB)	ug/kg	<3.1	74.2	60.4	81	76-138	
1,2-Dichlorobenzene	ug/kg	<3.1	74.2	69.6	94	67-125	
1,2-Dichloroethane	ug/kg	<3.1	74.2	48.9	66	65-143	CL
1,2-Dichloropropane	ug/kg	<3.1	74.2	65.1	88	72-131	
1,3,5-Trimethylbenzene	ug/kg	<3.1	74.2	79.8	108	49-134	
1,3-Dichlorobenzene	ug/kg	<3.1	74.2	74.5	101	64-124	
1,3-Dichloropropane	ug/kg	<3.1	74.2	67.7	91	73-130	
1,4-Dichlorobenzene	ug/kg	<3.1	74.2	70.8	95	61-127	
2,2-Dichloropropane	ug/kg	<3.1	74.2	54.3	73	55-140	
2-Butanone (MEK)	ug/kg	<3.1	74.2	42.5	57	52-164	
2-Chloroethylvinyl ether	ug/kg	<3.1	74.2	18.9	25	43-183	CL,M0
2-Chlorotoluene	ug/kg	<3.1	74.2	80.5	109	62-125	
2-Hexanone	ug/kg	<3.1	74.2	51.6	70	66-151	
4-Chlorotoluene	ug/kg	<3.1	74.2	76.0	102	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	<3.1	74.2	46.8	63	63-154	CL

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QUALITY CONTROL DATA

Project: VOCS 12/6

Pace Project No.: 7073241

MATRIX SPIKE SAMPLE: 437408

Parameter	Units	7073241001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/kg	<3.1	74.2	202	272	23-196	M1
Benzene	ug/kg	<3.1	74.2	68.5	92	65-129	
Bromobenzene	ug/kg	<3.1	74.2	78.1	105	63-130	
Bromochloromethane	ug/kg	<3.1	74.2	61.4	83	78-136	
Bromodichloromethane	ug/kg	<3.1	74.2	62.7	85	74-141	
Bromoform	ug/kg	<3.1	74.2	64.1	86	59-136	
Bromomethane	ug/kg	<3.1	74.2	87.9	119	32-182	CH
Carbon disulfide	ug/kg	<3.1	74.2	56.3	76	26-160	
Carbon tetrachloride	ug/kg	<3.1	74.2	65.6	88	57-135	
Chlorobenzene	ug/kg	<3.1	74.2	74.0	100	62-136	
Chloroethane	ug/kg	<3.1	74.2	58.8	79	50-159	
Chloroform	ug/kg	<3.1	74.2	55.0	74	71-135	
Chloromethane	ug/kg	<3.1	74.2	55.3	75	44-139	IL
cis-1,2-Dichloroethene	ug/kg	<3.1	74.2	60.1	81	75-130	
cis-1,3-Dichloropropene	ug/kg	<3.1	74.2	61.9	84	74-140	
Dibromochloromethane	ug/kg	<3.1	74.2	66.6	90	71-133	
Dibromomethane	ug/kg	<3.1	74.2	61.5	83	75-136	
Dichlorodifluoromethane	ug/kg	<3.1	74.2	62.2	84	10-155	
Ethylbenzene	ug/kg	<3.1	74.2	77.7	105	59-135	
Hexachloro-1,3-butadiene	ug/kg	<3.1	74.2	46.2	62	19-152	
Isopropylbenzene (Cumene)	ug/kg	<3.1	74.2	86.4	116	56-129	
m&p-Xylene	ug/kg	<6.2	149	142	96	69-133	
Methyl-tert-butyl ether	ug/kg	<3.1	74.2	61.5	83	25-171	
Methylene Chloride	ug/kg	<3.1	74.2	53.5	72	50-164	CL
n-Butylbenzene	ug/kg	<3.1	74.2	70.0	94	54-121	
n-Propylbenzene	ug/kg	<3.1	74.2	81.5	110	56-125	
Naphthalene	ug/kg	<3.1	74.2	53.9	73	55-145	
o-Xylene	ug/kg	<3.1	74.2	73.0	98	71-135	
p-Isopropyltoluene	ug/kg	<3.1	74.2	79.2	107	54-126	
sec-Butylbenzene	ug/kg	<3.1	74.2	80.3	108	50-126	
Styrene	ug/kg	<3.1	74.2	71.1	96	73-133	
tert-Butylbenzene	ug/kg	<3.1	74.2	79.6	107	56-127	
Tetrachloroethene	ug/kg	<3.1	74.2	84.9	114	10-176	CH
Toluene	ug/kg	<3.1	74.2	67.7	91	66-131	
trans-1,2-Dichloroethene	ug/kg	<3.1	74.2	62.1	84	53-157	
trans-1,3-Dichloropropene	ug/kg	<3.1	74.2	58.3	79	66-144	
Trichloroethene	ug/kg	<3.1	74.2	68.4	92	62-130	
Trichlorofluoromethane	ug/kg	<3.1	74.2	55.2	74	38-166	CL
Vinyl acetate	ug/kg	<3.1	74.2	30.7	41	10-155	CL
Vinyl chloride	ug/kg	<3.1	74.2	58.3	79	45-137	
Xylene (Total)	ug/kg	<6.2	223	215	97	62-135	
1,2-Dichloroethane-d4 (S)	%				83	33-150	
4-Bromofluorobenzene (S)	%				101	34-145	
Toluene-d8 (S)	%				122	43-157	

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QUALITY CONTROL DATA

Project: VOCS 12/6

Pace Project No.: 7073241

SAMPLE DUPLICATE: 437409

Parameter	Units	7073241001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<3.1	<3.2		
1,1,1-Trichloroethane	ug/kg	<3.1	<3.2		
1,1,2,2-Tetrachloroethane	ug/kg	<3.1	<3.2		
1,1,2-Trichloroethane	ug/kg	<3.1	<3.2		
1,1-Dichloroethane	ug/kg	<3.1	<3.2		
1,1-Dichloroethene	ug/kg	<3.1	<3.2		
1,1-Dichloropropene	ug/kg	<3.1	<3.2		
1,2,3-Trichlorobenzene	ug/kg	<3.1	<3.2		
1,2,3-Trichloropropane	ug/kg	<3.1	<3.2		CL
1,2,4-Trichlorobenzene	ug/kg	<3.1	<3.2		
1,2,4-Trimethylbenzene	ug/kg	<3.1	<3.2		
1,2-Dibromo-3-chloropropane	ug/kg	<3.1	<3.2		CL
1,2-Dibromoethane (EDB)	ug/kg	<3.1	<3.2		
1,2-Dichlorobenzene	ug/kg	<3.1	<3.2		
1,2-Dichloroethane	ug/kg	<3.1	<3.2		CL
1,2-Dichloropropane	ug/kg	<3.1	<3.2		
1,3,5-Trimethylbenzene	ug/kg	<3.1	<3.2		
1,3-Dichlorobenzene	ug/kg	<3.1	<3.2		
1,3-Dichloropropane	ug/kg	<3.1	<3.2		
1,4-Dichlorobenzene	ug/kg	<3.1	<3.2		
2,2-Dichloropropane	ug/kg	<3.1	<3.2		
2-Butanone (MEK)	ug/kg	<3.1	<3.2		
2-Chloroethylvinyl ether	ug/kg	<3.1	<3.2		CL
2-Chlorotoluene	ug/kg	<3.1	<3.2		
2-Hexanone	ug/kg	<3.1	<3.2		
4-Chlorotoluene	ug/kg	<3.1	<3.2		
4-Methyl-2-pentanone (MIBK)	ug/kg	<3.1	<3.2		CL
Acetone	ug/kg	<3.1	<3.2		
Benzene	ug/kg	<3.1	<3.2		
Bromobenzene	ug/kg	<3.1	<3.2		
Bromochloromethane	ug/kg	<3.1	<3.2		
Bromodichloromethane	ug/kg	<3.1	<3.2		
Bromoform	ug/kg	<3.1	<3.2		
Bromomethane	ug/kg	<3.1	<3.2		
Carbon disulfide	ug/kg	<3.1	<3.2		
Carbon tetrachloride	ug/kg	<3.1	<3.2		
Chlorobenzene	ug/kg	<3.1	<3.2		
Chloroethane	ug/kg	<3.1	<3.2		
Chloroform	ug/kg	<3.1	<3.2		
Chloromethane	ug/kg	<3.1	<3.2		IL
cis-1,2-Dichloroethene	ug/kg	<3.1	<3.2		
cis-1,3-Dichloropropene	ug/kg	<3.1	<3.2		
Dibromochloromethane	ug/kg	<3.1	<3.2		
Dibromomethane	ug/kg	<3.1	<3.2		
Dichlorodifluoromethane	ug/kg	<3.1	<3.2		
Ethylbenzene	ug/kg	<3.1	<3.2		
Hexachloro-1,3-butadiene	ug/kg	<3.1	<3.2		

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QUALITY CONTROL DATA

Project: VOCS 12/6

Pace Project No.: 7073241

SAMPLE DUPLICATE: 437409

Parameter	Units	7073241001 Result	Dup Result	RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/kg	<3.1	<3.2		
m&p-Xylene	ug/kg	<6.2	<6.3		
Methyl-tert-butyl ether	ug/kg	<3.1	<3.2		
Methylene Chloride	ug/kg	<3.1	<3.2		CL
n-Butylbenzene	ug/kg	<3.1	<3.2		
n-Propylbenzene	ug/kg	<3.1	<3.2		
Naphthalene	ug/kg	<3.1	<3.2		
o-Xylene	ug/kg	<3.1	<3.2		
p-Isopropyltoluene	ug/kg	<3.1	<3.2		
sec-Butylbenzene	ug/kg	<3.1	<3.2		
Styrene	ug/kg	<3.1	<3.2		
tert-Butylbenzene	ug/kg	<3.1	<3.2		
Tetrachloroethene	ug/kg	<3.1	<3.2		
Toluene	ug/kg	<3.1	<3.2		
trans-1,2-Dichloroethene	ug/kg	<3.1	<3.2		
trans-1,3-Dichloropropene	ug/kg	<3.1	<3.2		
Trichloroethene	ug/kg	<3.1	<3.2		
Trichlorofluoromethane	ug/kg	<3.1	<3.2		CL
Vinyl acetate	ug/kg	<3.1	<3.2		CL
Vinyl chloride	ug/kg	<3.1	<3.2		
Xylene (Total)	ug/kg	<6.2	<6.3		
1,2-Dichloroethane-d4 (S)	%	83	86	6	
4-Bromofluorobenzene (S)	%	97	97	2	
Toluene-d8 (S)	%	122	120	1	

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QUALITY CONTROL DATA

Project: VOCS 12/6

Pace Project No.: 7073241

QC Batch: 94933

Analysis Method: ASTM D2216-92M

QC Batch Method: ASTM D2216-92M

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 7073241001

SAMPLE DUPLICATE: 438860

Parameter	Units	7073241001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	25.4	24.6	3	

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QUALIFIERS

Project: VOCS 12/6

Pace Project No.: 7073241

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: 7073241001

[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.

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.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
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.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: VOCS 12/6

Pace Project No.: 7073241

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7073241002	HB-W	EPA 624.1	94152		
7073241001	HB-S	EPA 5035A-L	94588	EPA 8260C	94678
7073241001	HB-S	ASTM D2216-92M	94933		

REPORT OF LABORATORY ANALYSIS

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WO#: 7073241

3 USE ONLY

JOHN STANTON@PACELABS.COM

7073241

Chain-of-Custody Analytical Request Document

Company: BARTON & LOGUIDICE

Address: 10 AIRLINE DR. SUITE 200 ALBANY, NY 12205

Report To: ANDY BARBER

Copy To: CORINNE STEINMULLER

Customer Project Name/Number:

Phone: (518)218-1801

Email: CSTEINMULLER@BARTONANDLOGUIDICE.COM

C. STEINMULLER

Collected by (signature):

Sample Disposal: [X] Dispose as appropriate [] Return [] Archive [] Hold

Turnaround Date Required: 2 WEEK

RUSH: Same Day Next Day Day 3 Day 4 Day 5 Day (Expedite Charges Apply)

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), 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* Compl/Grab

Collected (or Composite Start) Date Time

Composite End Date Time

Res Cl

of Cins

Customer Remarks/ Special Conditions/ Possible Hazards:

Type of Ice Used: Wet Dry Blue Dry None

Packing Material Used:

LAB Tracking #: 4757 4898 3039

Samples received via: FEDEX

Received by/Company: (Signature) Date/Time: 12/6/18 8:20

Received by/Company: (Signature) Date/Time: 12/6/18 1600

Received by/Company: (Signature) Date/Time: 12/6/18 1830

Received by/Company: (Signature) Date/Time: 12/6/18 1830

LAB Sample Temperature Info:

Temp Blank received: Y N NA

Therm ID #: 17091

Cooler 1 Temp Upon Receipt 1.8 oC

Cooler 1 Therm Corr. Factor 0.0 oC

Cooler 1 Corrected Temp 1.8 oC

Comments:

Trip Blank Received: Y N N/A

HCL MeOH TSP Other

NonConformance(s) YES / NO

Page 1 of 1

ATTACHMENT E
Site Annual Inspection Form

**SITE MANAGEMENT PLAN
ANNUAL SITE-WIDE INSPECTION**

Site Name: ALCO-Maxon Site - Parcel B
 Site No.: C447043
 Site Address: 301 Nott Street, Schenectady, NY 12305
 Owner: Maxon Alco Holdings, LLC
 Owner Address: 220 Harbor Side Dr., Ste. 300
Schenectady, NY 12305

Date: 4/3/19
 Inspected By: Corinne Steinwiler
 Inspector's Signature: [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.			

ATTACHMENT F
Cover System Photos



Photo 1. Parcel B – April 3, 2019 Cover Inspection.



Photo 2. Parcel B – April 3, 2019 Cover Inspection.



Photo 3. Parcel B – April 3, 2019 Cover Inspection.



Photo 4. Parcel B – April 3, 2019 Cover Inspection.



Photo 5. Parcel B – April 3, 2019 Cover Inspection.



Photo 6. Parcel B – April 3, 2019 Cover Inspection.



Photo 7. Parcel B – April 3, 2019 Cover Inspection.

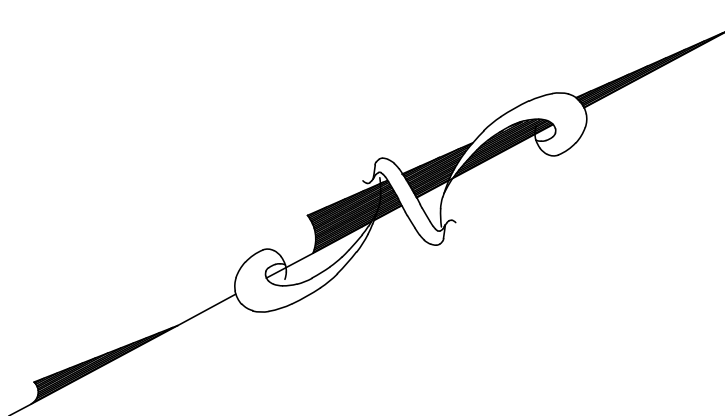
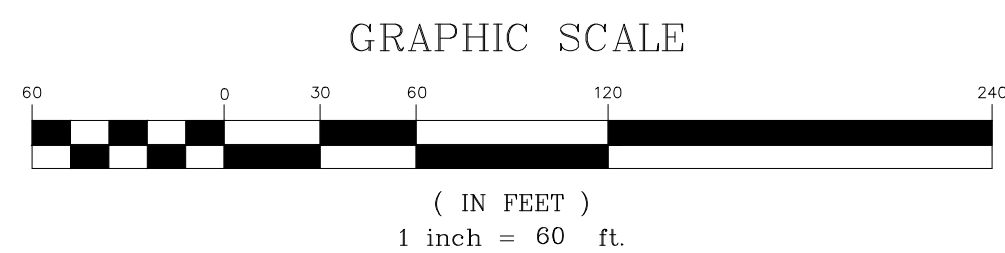
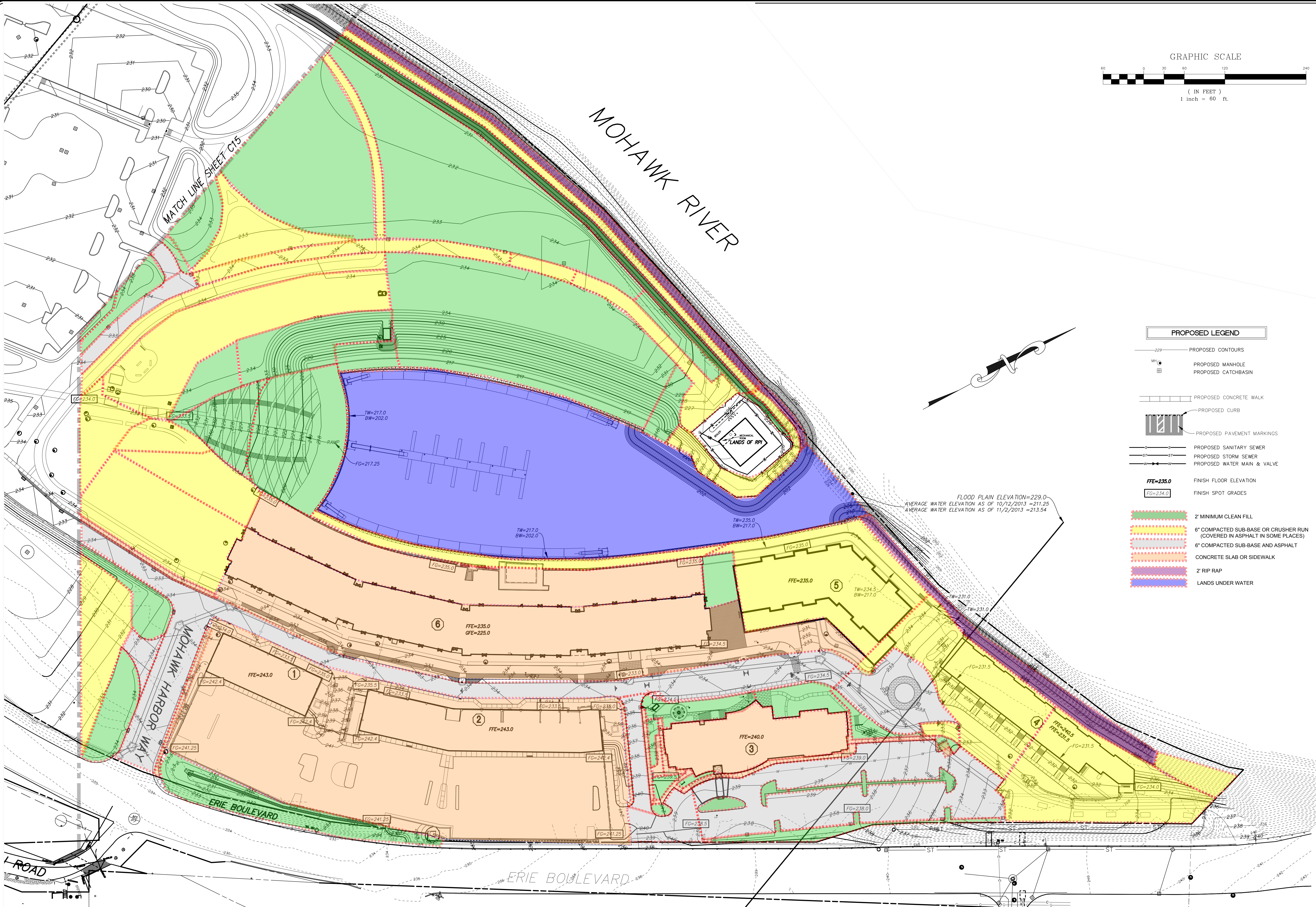


Photo 8. Parcel B – April 3, 2019 Cover Inspection.



Photo 9. Parcel B – April 3, 2019 Cover Inspection.

ATTACHMENT G
Cover Map



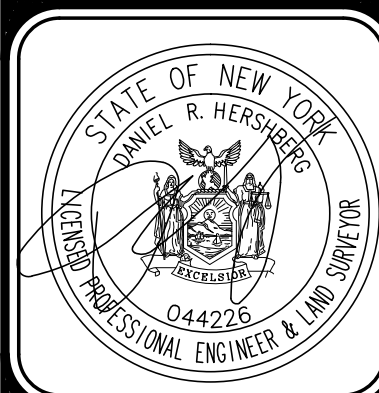
PROPOSED LEGEND

- PROPOSED CONTOURS
- PROPOSED MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED CONCRETE WALK
- PROPOSED CURB
- PROPOSED PAVEMENT MARKINGS
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATER MAIN & VALVE
- FINISH FLOOR ELEVATION
- 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

ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR IS ILLEGAL.



DATE	
REMARKS	
REVISIONS	

FINISH GRADE PLAN 2
ALCO REDEVELOPMENT SITE
SCHENECTADY, NEW YORK

FILE: 120158-T.dwg SCALE: 1"=60' BY: SMC DATE: 2/2/2016 CHK: DRH

2017 Fill Quantities - RJ Valente to Rifenburg Contracting Corp.

BEGIN DATE	1/1/17		
END DATE	12/31/17	CUSTOMER	121
SELL/BUY/TR	ALL	ORDER	15
SHIP/RECEIVE	ALL		

<u>PRODUCT</u>	<u>Description</u>	<u>Tickets</u>	<u>Qty</u>	<u>Unit</u>	<u>TicketType</u>
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		

The experience to
listen
The power to
solveSM

Barton
&Loguidice

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