

Former ALCO Site
CITY OF SCHENECTADY, SCHENECTADY COUNTY, NEW YORK

Parcel A
2018 Periodic Review Report

NYSDEC Site Number: C447042

Prepared for:
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1.0 Executive Summary

Maxon ALCO Holdings, LLC (MAH) entered into Brownfield Cleanup Agreements (BCA) through the NYSDEC's BCP for the property located at 301 Nott Street in Schenectady, New York, identified as the ALCO 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,) and each Parcel was deemed eligible for the BCP and subject to separate BCA's. In November of 2013, MAH proposed the reconfiguration of Parcels B and C to NYSDEC to more efficiently proceed with potential Interim Remedial Measures and redevelopment planning; the proposed reconfiguration was approved by NYSDEC in the first half of 2014. Additional reconfiguration of the Parcels has been made through BCA Amendments approved by the NYSDEC.

The site location is included as Figure 1.

After completion of the remedial work, residual contamination was left at this site, which is hereafter referred to as "remaining contamination". Institutional and Engineering Controls (ICs and ECs) have been incorporated into the site remedy to control exposure to remaining contamination to ensure protection of public health and the environment. An Environmental Easement granted to the NYSDEC, and recorded with the Schenectady County Clerk, requires compliance with the ECs and ICs placed on the site.

Due to the historic industrial impacts identified on the ALCO Site and subsequent to the execution of a BCA, three Remedial Investigation Work Plans (one for each parcel) were prepared by Kleinfelder, Inc. (KLF) and submitted to NYSDEC on May 24, 2010.

The following potential exposure pathways were identified:

- Exposure of future on-Site workers, residents, site occupants to soil, groundwater, soil vapor or Light Non-Aqueous Phase Liquid (LNAPL) that may be contaminated with VOCs, SVOCs, and/or metals during future intrusive activities at the Site. Routes of exposure to future on-Site workers could include inhalation, ingestion, dermal contact, eye contact, and puncture/injection.
- Exposure to groundwater that may be contaminated with VOCs, SVOCs, and/or metals if groundwater wells are installed and used for drinking water, etc.

In January 2013 Barton & Loguidice prepared a Supplemental Remedial Investigation Work Plan (SRI-WP) to provide the procedures for conducting the NYSDEC requested follow-up work.

Parcel A SRI Findings

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

Site-Wide Groundwater Quality

- Monitoring wells installed on Parcels A, B and C provided further delineation of the chlorinated solvent 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 was issued a separate Decision Document by NYSDEC. The Remedial Action Objectives (RAOs) for Parcel A are as follows:

Parcel A (Decision Document, August 2014)

Groundwater

RAOs for Public Health Protection

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

RAOs for Environmental Protection

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

Soil

RAOs for Public Health Protection

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

RAOs for Environmental Protection

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

Soil Vapor*RAOs for Public Health Protection*

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

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

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

A summary of the 2017 tasks outlined above is provided herein.

- Quarterly groundwater monitoring
- Soil vapor intrusion assessments of the Rivers Casino/Landings Hotel
- Completion of soils capping
- Inspection and reporting of open riverbank spill, identified as: 1604483
- Installation of a grout wall and recovery wells for treatment of spill 1604483, in accordance with NYSDEC approved work plan

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. Remedial activities outlined in the SMP have been fulfilled during this reporting period.

2.0 Site Overview

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

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

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

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

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

4. Imposition of an institutional control in the form of an environmental easement for controlled property that:
 - Requires the remedial party or site to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8(h)(3);
 - Allows the use and development of the controlled property for restricted residential, commercial and industrial uses as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
 - Restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and
 - Requires compliance with the Department approved Site Management Plan.
5. Development and implementation of a Site Management Plan (SMP) for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls (2) monitoring, (3) operation and maintenance and (4) reporting. The Site Management Plan for Parcel A outlined the following items for 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 the compounds analyzed, along with the applicable standards, with exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends.
 - Results of analyses, copies of laboratory data sheets, and the required laboratory data deliverables for samples collected during the reporting period will be submitted in digital format as determined by the NYSDEC. Currently, data is supplied electronically and submitted to the NYSDEC 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; and
 - Trends in contaminant levels in the affected media will be evaluated to determine if the remedy continues to be effective in achieving remedial goals as specified by the Decision Document.
 - The overall performance and effectiveness of the remedy.

Table 1. Post-Remediation Sampling Requirements and Schedule		
Sampling Location	Analysis	*Schedule
Soil Cover System	Visual Inspection	Annually
Groundwater Monitoring Wells		Quarterly
Soil Vapor Intrusion Sampling		Annually
*The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH. Discontinuance of such activity will be by permission of the NYSDEC and NYSDOH.		

Since the COC, the site has been operated under the SMP. 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 been successful and the remedial system continues to operate effectively to protect the public.

- The soil cover system prevents direct contact with remaining on site contaminants.
- The property has an environmental easement restricting land and groundwater use at the site. The easement was filed on October 14, 2016 with the Schenectady County Clerk.
- Periodic monitoring indicates that the in situ oxidant injections completed on Parcel C to treat the chlorinated solvent plume have reduced the concentrations of indicator and volatile organic constituents in the groundwater on Parcel A.
- As per the SMP, the Rivers Casino and Landings Hotel structures have been assessed for soil vapor intrusion (SVI). The building's HVAC system should maintain positive pressure, preventing any potential for vapors, if any, from migrating up through the subslab. During the 2017 monitoring event, the Rivers Casino portion was verified to be under positive pressure. However, during the 2018 monitoring event, which included assessment of the Landings Hotel, the River Casino portion was found to not consistently be under positive pressure.

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:	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Implement, maintain and monitor Engineering Control systems; Prevent future exposure to remaining contamination; and, Limit the use and development of the site to restricted residential uses only. 	Operational.
Engineering Controls:	Cover system	Meet the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted residential use.	Operational.

4.1 Engineering and Institutional Control Certification

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

5.0 Monitoring Plan Compliance Report

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

Table 3. Monitoring/Inspections Schedule			
Program	Frequency	Matrix	Analysis
Groundwater Monitoring Wells: MW-62, MW-65, MW-64D, MW-64S	Quarterly	Groundwater	VOCs, PFOS/AS
Harbor Sediment Sampling	Annual	Sediment	VOCs
Harbor Surface Water Sampling	Annual	Surface Water	VOCs
Soil Cover System	Annual	--	Visual Inspection
Soil Vapor Intrusion Sampling	Annual	Sub-slab vapors	TO-15 Analytes
Periodic Review Report	Annual	--	--

5.1 Groundwater and Harbor Monitoring Results

The groundwater monitoring results are provided in Tables 4-7. The first quarter round of groundwater sampling for 2018 was concluded on March 6, 2018 and results will be forwarded under separate cover.

Table 4. Historic Residual VOC Water Quality Data - MW-62*Bolded numbers represent detects.					
Parameter (ug/l)	*1,1-Dichloroethene	*cis-1,2-Dichloroethene	*trans-1,2- Dichloroethene	*Trichloroethene	*Vinyl Chloride
6NYCRR Part 703	5	5	5	5	2
27-Sep-11	-	-	-	-	-
17-Jun-13	<1.0	2260.0	48.4	18.7	1.0
11-Sep-15	2.7	1000.0	-	-	-
01-Mar-16	<1.0	420.0	24.0	1.5	120.0
10-May-16	<1.0	430.0	29.0	1.6	89.0
15-Jun-16	<10.0	640.0	40.0	2.0	110.0
13-Jul-16	1.2	770.0	47.0	1.7	120.0
10-Aug-16	<1.0	860.0	56.0	<1.0	140.0
08-Sep-16	<5.0	710.0	44.0	<5.0	110.0
05-Oct-16	<5.0	955.0	71.3	<5.0	133.0
03-Nov-16	1.0	654.0	41.7	1.8	77.1
02-Dec-16	<1.0	714.0	44.5	<1.0	80.6
04-Jan-17	<10.0	1140.0	66.1	<10.0	107.0
06-Apr-17	<5.0	891.0	55.7	<5.0	70.3
20-Jul-17	<1.0	537.0	32.4	<1.0	57.0
09-Nov-17	<1.0	19.1	1.1	<1.0	2.5

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

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

Table 7. Historic Residual VOC Water Quality Data - MW-65							
Parameter	*1,1-Dichloroethene (ug/l)	*Acetone (ug/l)	*Methyl tert-butyl ether (ug/l)	*cis-1,2-Dichloroethene (ug/l)	*trans-1,2-Dichloroethene (ug/l)	*Trichloroethene (ug/l)	*Vinyl Chloride (ug/l)
6NYCRR Part 703 Groundwater Standard	5	50	10	5	5	5	2
27-Sep-11	-	-	-	-	-	-	-
17-Jun-13	-	-	-	-	-	-	-
11-Sep-15	-	-	-	-	-	-	-
01-Mar-16	1.6	6.5	570.0	1.7	5.6	260.0	590.0
10-May-16	<1.0	1.4	320.0	<1.0	2.4	94.0	97.0
15-Jun-16	<1.0	<10.0	310.0	<1.0	5.9	100.0	84.0
13-Jul-16	1.0	<10.0	500.0	<1.0	4.6	110.0	130.0
10-Aug-16	1.2	<10.0	490.0	<1.0	4.0	130.0	170.0
08-Sep-16	<1.0	<10.0	360.0	<1.0	2.4	93.0	100.0
05-Oct-16	<1.0	<10.0	493.0	<1.0	3.8	141.0	150.0
03-Nov-16	<1.0	<10.0	297.0	<1.0	2.0	108.0	78.2
02-Dec-16	<1.0	<10.0	323.0	<1.0	2.3	118.0	99.4
04-Jan-17	<1.0	<5.0	<1.0	<1.0	2.6	125.0	117.0
06-Apr-17	1.0	<5.0	446.0	<1.0	2.7	135.0	82.9
20-Jul-17	1.0	10.7	410.0	<1.0	2.6	106.0	54.9
09-Nov-17	<1.0	51.9	80.2	<1.0	<1.0	34.9	10.6
*Bolded numbers represent detects							

MW-62 has continued to exhibit lower concentrations of the observed contaminants when compared to the samples collected in 2017 on the tested parameters except for acetone. Reported concentrations of cis-1,2-dichloroethene (12-DCE) and trans-1,2-dichloroethene have decreased from the baseline sampling concentrations in MW-62.

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

In 2017, MW-64D exceeded groundwater standards for chloride, cis-1,2-dichloroethene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride and exhibited higher concentrations of the observed contaminants when compared to the samples collected in July 2017 with chloride, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride noted as additional exceedances from the July 2017 monitoring event.

MW-65 exceeded groundwater standards for chloride, acetone, cis-1,2-dichloroethene, trichloroethene, tetrachloroethene, and vinyl chloride. With the exception of acetone, the reported concentrations of the observed contaminants for 2017 have continued a downward trend.

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

Annual sampling for the harbor surface water and sediment was conducted December 2017. Detect results are shown in Table 9. Refer to Attachment C 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	-	14.2
Sediment	11.9	36.7

One detect was reported in the surface water sample, acetone, and is below groundwater standards.

Two detects were reported in the harbor sediment. Again, acetone was detected below groundwater standards. 2-Butanone (MEK) is highly water soluble and has been shown safe at levels below 4,000 µg/l. As such, it is currently not listed in Part 703 and this detect is minor.

5.2 Cover System Summary

Annual site inspection was completed on January 28, 2018 and included inspection of the cover system. This checklist, provided by the SMP, is included as Attachment D. Representative photographs of site cover are located in Attachment E.

In 2017, a total of 9,283.88 tons of stone fill and 11,028 cubic yards of sand/topsoil were installed on site. Refer to Attachment F for fill locations and quantity. On site monitoring verified compliance with a minimum of two feet of clean fill in areas not covered by buildings and hard surfacing. Twenty-four samples (six samples each of four stockpiles) of clean fill were taken during 2017 to verify SCO compliance. Results of these sampling events are located in Attachment G.

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

5.3 SVI Results

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

Initial confirmatory measurements were taken in the Casino portion of the building on April 13, 2017 by B&L staff, utilizing an Infiltec DM1 Micro-manometer. Results confirmed that the desired net positive pressure differential was being maintained. See Attachment G for sampling port locations and data comparison chart. Subsequent investigation was performed on February 27, 2018 in both the Casino portion and Landings Hotel portion of the building. During this reading, the confirmatory measurements established that maintaining the building HVAC under positive pressure was not resulting in the desired net positive pressure differential between the building interior and the subslab within the casino portion. Within the hotel portion of the building, the desired net positive pressure differential was being met. See Attachment H for sampling port locations and data comparison chart.

6.0 Operation & Maintenance

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

7.0 Conclusions

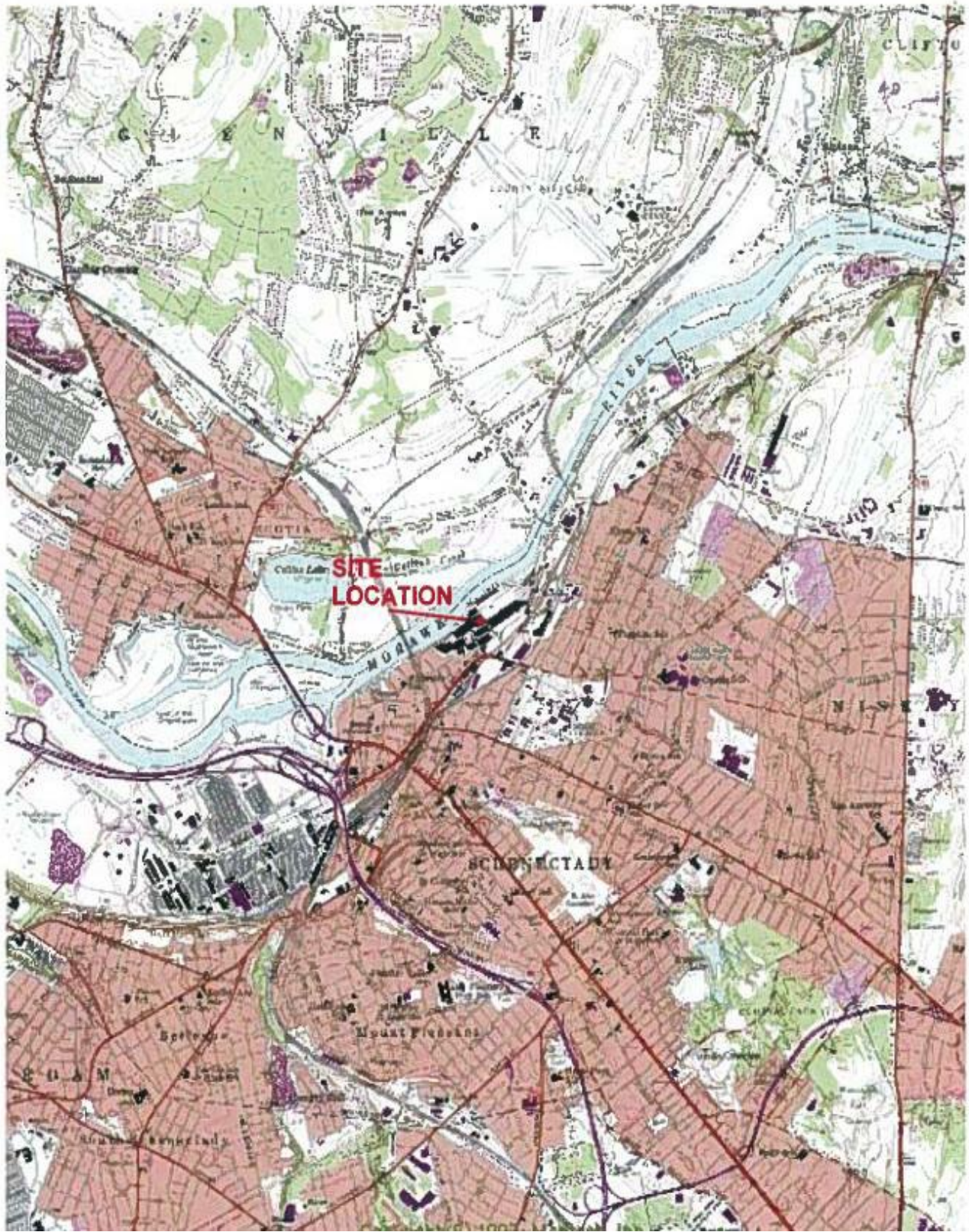
Maxon ALCO Holdings, LLC, has been operating the remedial systems at the ALCO Parcel A property in accordance with the approved Site Management Plan. During the PRR reporting period, the following conclusions and recommendations have been made:

- Quarterly groundwater monitoring has overall continued to show declines in levels of chlorinated solvents post in situ oxidant injections in Parcel C in the groundwater monitoring wells with the exception of MW-64D, which has occasional spikes. It is recommended that monitoring continue to mark the trend and determine whether natural attenuation is satisfactory or further remedial action be taken.
- The soil cover system has been successfully implemented throughout the site as construction and excavation activities are completed.
- New buildings on site that have first floor occupancy have been tested for soil vapor intrusion. Structures on Parcel A include the Rivers Casino and Landings Hotel, which are demonstrated to be under a positive pressure system. However, during the 2018 pressure measurement event, the Rivers Casino was found to not satisfy the desired pressure differential and therefore is not currently maintaining positive pressure. It is recommended that the HVAC system be adjusted and the system be re-tested to achieve the desired remedy.
- Spill 1604483 has been regularly inspected throughout the reporting period, two times a week or more as necessary. Product has regularly been recovered by MW-73 and reported to the NYSDEC. In September and October 2017, a grout wall and additional recovery wells were installed to direct product away from the riverbank and assist collection. As of this report, conclusions of effectiveness cannot be stated. The spill area will continue to be monitored regularly as per the SMP. Copies of the previously submitted spill reports are included in Attachment I.

Figure 1

Site Location Map

↑
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

Attachment A

NYSDEC Approved Certification Form



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



Site Details		Box 1
Site No.	C447042	
Site Name ALCO-Maxon Site - Parcel A		
Site Address: 301 NOTT STREET		Zip Code: 12305
City/Town: Schenectady		
County: Schenectady		
Site Acreage: 19.2		
Reporting Period: December 09, 2016 to April 09, 2018		
		YES NO
1. Is the information above correct?		<input checked="" type="checkbox"/> <input type="checkbox"/>
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		<input checked="" type="checkbox"/> <input type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		<input checked="" type="checkbox"/> <input type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		<input checked="" type="checkbox"/> <input type="checkbox"/>
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form. Submitted in 2016.		
5. Is the site currently undergoing development?		<input checked="" type="checkbox"/> <input type="checkbox"/>
		Box 2
		YES NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial		<input checked="" type="checkbox"/> <input type="checkbox"/>
7. Are all ICs/ECs in place and functioning as designed?		<input checked="" type="checkbox"/> <input type="checkbox"/>
IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.		
A Corrective Measures Work Plan must be submitted along with this form to address these issues.		

Charles J. Baker

Signature of Owner, Remedial Party or Designated Representative

04/06/2018

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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.			
SITE NO. C447042		Box 3	
Description of Institutional Controls			

Parcel**39.34-1-8 (Portion of)****Owner****Maxon ALCO Holdings LLC****Institutional Control**

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

O&M Plan

Institutional Controls (ICs)

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39.34-1-9**Maxon ALCO Holdings LLC**

O&M Plan
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IC/EC Plan

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39.41-1-10

Maxon ALCO Holdings, LLC

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39.41-1-11

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O&M Plan

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39.41-1-12

Maxon ALCO Holdings LLC

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39.41-1-13

Maxon ALCO Holdings LLC

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IC/EC Plan**

O&M Plan

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39.41-1-14

Maxon ALCO Holdings LLC

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39.41-1-15

Maxon ALCO Holdings LLC

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O&M Plan

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39.41-1-16

Maxon ALCO Holdings LLC

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39.41-1-17

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39.41-1-18

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39.41-1-19

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39.41-1-20

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39.41-1-21

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14. The SMP must note that residually-impacted soils are present below the clean soil cover;

15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and

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

39.41-1-22

Maxon ALCO Holdings LLC

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

Monitoring Plan
Site Management Plan
IC/EC Plan

Institutional Controls (ICs)

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

39.41-1-23

Maxon ALCO Holdings LLC

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

O&M Plan

Institutional Controls (ICs)

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

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

39.41-1-24

Maxon ALCO Holdings LLC

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

Institutional Controls (ICs)

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

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

39.41-1-4 (Portion of)

Maxon ALCO Holdings, LLC

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

Landuse Restriction

Institutional Controls (ICs)

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

39.41-1-5 (Portion of)

Maxon ALCO Holdings, LLC

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

O&M Plan

Institutional Controls (ICs)

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

treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;

6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;

7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;

8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;

9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;

10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;

11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;

12. Vegetable gardens and farming on the site are prohibited;

13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;

14. The SMP must note that residually-impacted soils are present below the clean soil cover;

15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and

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

39.41-1-6 (Portion of)

Maxon ALCO Holdings, LLC

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

Institutional Controls (ICs)

1. The property may be used for: restricted residential use;

2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);

3. All ECs must be inspected at a frequency and in a manner defined in the SMP;

4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;

6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;

7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;

8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;

9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;

10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;

11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC

boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;

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

39.41-1-7

Maxon ALCO Holdings, LLC

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

O&M Plan

Institutional Controls (ICs)

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

39.41-1-9

Maxon ALCO Holdings, LLC

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

Institutional Controls (ICs)

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

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

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

Institutional Controls (ICs)

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

this SMP;

9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;

10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;

11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;

12. Vegetable gardens and farming on the site are prohibited;

13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;

14. The SMP must note that residually-impacted soils are present below the clean soil cover;

15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and

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

Box 4

Description of Engineering Controls

Parcel

39.34-1-8 (Portion of)

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.

39.34-1-9

Cover System

Engineering Controls (ECs)

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

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

Parcel

Engineering Control

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

39.41-1-10

Cover System

Engineering Controls (ECs)

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

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

39.41-1-11

Cover System

Engineering Controls (ECs)

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

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

39.41-1-12

Cover System

Engineering Controls (ECs)

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

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

Parcel

Engineering Control

NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.

- Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;

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

39.41-1-13

Cover System

Engineering Controls (ECs)

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

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

- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;

- Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.

- Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;

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

39.41-1-14

Cover System

Engineering Controls (ECs)

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

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

- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;

- Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.

- Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;

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

39.41-1-15

Cover System

Engineering Controls (ECs)

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

Parcel

Engineering Control

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

Cover System

Engineering Controls (ECs)

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

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

39.41-1-17

Cover System

Engineering Controls (ECs)

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

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

Parcel**Engineering Control**

the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.

39.41-1-18

Cover System**Engineering Controls (ECs)**

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

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

39.41-1-19

Cover System**Engineering Controls (ECs)**

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

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

39.41-1-20

Cover System**Engineering Controls (ECs)**

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

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

Parcel**Engineering Control**

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

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

39.41-1-21

Cover System**Engineering Controls (ECs)**

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

- the site cover consists either of structures such as buildings, pavement, and sidewalks comprising the site development, or appropriate clean soil cover of a minimum thickness of two feet must be maintained on the site;
- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;
- Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.

Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;

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

39.41-1-22

Cover System**Engineering Controls (ECs)**

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

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

39.41-1-23

Cover System**Engineering Controls (ECs)**

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

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

Parcel**Engineering Control**

- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;
 - Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.
 - Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;
 - The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.
- 39.41-1-24**

Cover System**Engineering Controls (ECs)**

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

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

Cover System**Engineering Controls (ECs)**

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

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

Parcel

Engineering Control

Cover System

Engineering Controls (ECs)

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

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

39.41-1-6 (Portion of)

Cover System

Engineering Controls (ECs)

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

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

39.41-1-7

Cover System

Engineering Controls (ECs)

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

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

Parcel**Engineering Control**

- 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.

39.41-1-9**Cover System****Engineering Controls (ECs)**

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

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

- the Site Management Plan (SMP) must note that residually-impacted soils are present below the clean soil cover;

- Excavation below the clean soil layer entail requires: 1) 15 day prior notification to NYSDEC and NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.

- Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;

- The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be 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

04/06/2018

Date

**IC CERTIFICATIONS
SITE NO. C447042**

Box 6

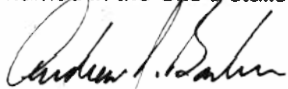
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Andrew J. Barber at Barton and Loguidice, D.P.C.
print name print business address

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

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



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

04/06/2018

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 at Barton+Loguidice, Inc, 10 Airline Dr.
print name print business address Albany, NY

am certifying as a for the Owner, Maxon ALCO Holdings, LLC

(Owner or Remedial Party)



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

Stamp
(Required for PE)

04/06/2018

Date



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



Site No. **C447042** **Site Details** **Box 1**

Site Name ALCO-Maxon Site - Parcel A

Site Address: 301 NOTT STREET Zip Code: 12305
City/Town: Schenectady
County: Schenectady
Site Acreage: 19.2

Reporting Period: December 09, 2016 to April 09, 2018

- | | YES | NO |
|---|--------------------------|--------------------------|
| 1. Is the information above correct? | <input type="checkbox"/> | <input type="checkbox"/> |
| If NO, include handwritten above or on a separate sheet. | | |
| 2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | <input type="checkbox"/> | <input type="checkbox"/> |
| 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? | <input type="checkbox"/> | <input type="checkbox"/> |

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

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

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

<hr/>	<hr/>
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Signature of Owner, Remedial Party or Designated Representative

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?	<input type="checkbox"/>	<input type="checkbox"/>
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)	<input type="checkbox"/>	<input type="checkbox"/>
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.			

SITE NO. C447042	Box 3
Description of Institutional Controls	

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
39.34-1-8 (Portion of)	Maxon ALCO Holdings LLC	<p>Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan</p> <p>O&M Plan</p>
<p>Institutional Controls (ICs)</p> <ol style="list-style-type: none"> 1. The property may be used for: restricted residential use; 2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP); 3. All ECs must be inspected at a frequency and in a manner defined in the SMP; 4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department; 5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP; 6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP; 7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP; 8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP; 9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP; 10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement; 11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated; 12. Vegetable gardens and farming on the site are prohibited; 13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site; 14. The SMP must note that residually-impacted soils are present below the clean soil cover; 15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and 16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities. 		
39.34-1-9	Maxon ALCO Holdings LLC	<p>O&M Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan</p>
<p>Institutional Controls (ICs)</p> <ol style="list-style-type: none"> 1. The property may be used for: restricted residential use; 2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP); 3. All ECs must be inspected at a frequency and in a manner defined in the SMP; 4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it 		

safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;

6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;

7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;

8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;

9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;

10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;

11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;

12. Vegetable gardens and farming on the site are prohibited;

13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;

14. The SMP must note that residually-impacted soils are present below the clean soil cover;

15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and

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

39.41-1-10

Maxon ALCO Holdings, LLC

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

Institutional Controls (ICs)

1. The property may be used for: restricted residential use;

2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);

3. All ECs must be inspected at a frequency and in a manner defined in the SMP;

4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;

6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;

7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;

8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;

9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;

10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;

11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or

mitigated;

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

39.41-1-11

Maxon ALCO Holdings LLC

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

O&M Plan

Institutional Controls (ICs)

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

39.41-1-12

Maxon ALCO Holdings LLC

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

Institutional Controls (ICs)

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3. All ECs must be inspected at a frequency and in a manner defined in the SMP;
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16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-13

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)

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

39.41-1-14

Maxon ALCO Holdings LLC

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

Institutional Controls (ICs)

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39.41-1-15

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)

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14. The SMP must note that residually-impacted soils are present below the clean soil cover;
15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and
16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-16

Maxon ALCO Holdings LLC

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

Institutional Controls (ICs)

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39.41-1-17

Maxon ALCO Holdings LLC

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

O&M Plan

Institutional Controls (ICs)

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must be maintained on the site;

14. The SMP must note that residually-impacted soils are present below the clean soil cover;

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

39.41-1-18

Maxon ALCO Holdings LLC

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

Institutional Controls (ICs)

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

39.41-1-19

Maxon ALCO Holdings LLC

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

O&M Plan

Institutional Controls (ICs)

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39.41-1-20

Maxon ALCO Holdings LLC

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

Institutional Controls (ICs)

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York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;

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

39.41-1-21

Maxon ALCO Holdings LLC

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

O&M Plan

Institutional Controls (ICs)

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

39.41-1-22

Maxon ALCO Holdings LLC

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

Monitoring Plan
Site Management Plan
IC/EC Plan

Institutional Controls (ICs)

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

39.41-1-23

Maxon ALCO Holdings LLC

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

O&M Plan

Institutional Controls (ICs)

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

39.41-1-24

Maxon ALCO Holdings LLC

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

Institutional Controls (ICs)

1. The property may be used for: restricted residential use;
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14. The SMP must note that residually-impacted soils are present below the clean soil cover;
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16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-4 (Portion of)

Maxon ALCO Holdings, LLC

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

Landuse Restriction

Institutional Controls (ICs)

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14. The SMP must note that residually-impacted soils are present below the clean soil cover;
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16. Develop a Groundwater Monitoring Plan to document improving groundwater quality in response to remediation activities.

39.41-1-5 (Portion of)

Maxon ALCO Holdings, LLC

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

O&M Plan

Institutional Controls (ICs)

1. The property may be used for: restricted residential use;
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4. The use of groundwater underlying the property is prohibited without the necessary water quality

treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;

6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;

7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;

8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;

9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;

10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;

11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;

12. Vegetable gardens and farming on the site are prohibited;

13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;

14. The SMP must note that residually-impacted soils are present below the clean soil cover;

15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and

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

39.41-1-6 (Portion of)

Maxon ALCO Holdings, LLC

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

Institutional Controls (ICs)

1. The property may be used for: restricted residential use;

2. All Engineering Controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);

3. All ECs must be inspected at a frequency and in a manner defined in the SMP;

4. The use of groundwater underlying the property is prohibited without the necessary water quality treatment as determined by the NYSDOH or the Schenectady County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;

6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;

7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;

8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;

9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;

10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;

11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC

boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;

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

39.41-1-7

Maxon ALCO Holdings, LLC

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

O&M Plan

Institutional Controls (ICs)

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

39.41-1-9

Maxon ALCO Holdings, LLC

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

Institutional Controls (ICs)

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

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

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

Institutional Controls (ICs)

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

this SMP;

9. Operation, maintenance, monitoring, inspection and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;

10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;

11. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 in the SMP, and any impacts that are identified must be monitored or mitigated;

12. Vegetable gardens and farming on the site are prohibited;

13. Appropriate clean soil cover of a minimum thickness of two feet, due to the restricted-residential use, must be maintained on the site;

14. The SMP must note that residually-impacted soils are present below the clean soil cover;

15. Develop a Soil Vapor Mitigation Plan to guide future building construction; and

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

Box 4

Description of Engineering Controls

Parcel

Engineering Control

39.34-1-8 (Portion of)

Cover System

Engineering Controls (ECs)

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

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

39.34-1-9

Cover System

Engineering Controls (ECs)

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

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

Parcel

Engineering Control

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

39.41-1-10

Cover System

Engineering Controls (ECs)

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

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

39.41-1-11

Cover System

Engineering Controls (ECs)

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

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

39.41-1-12

Cover System

Engineering Controls (ECs)

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

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

Parcel

Engineering Control

NYSDOH, 2) notification to contractors of the potential hazard (contractor personnel may be subject to 29 CFR 1910.120 – HAZWOPER), and 3) restoration of the clean soil layer.

- Development of a Flood Hazard Mitigation Plan to comply with Chapter 157 – Flood Hazard Control of the City of Schenectady Code, as the ALCO site lies within FEMA mapped Zones A-16 and B;
- The Excavation Work Plan (EWP), in the SMP, outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining impacted soil is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.

39.41-1-13

Cover System

Engineering Controls (ECs)

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

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

39.41-1-14

Cover System

Engineering Controls (ECs)

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

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

39.41-1-15

Cover System

Engineering Controls (ECs)

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

Parcel

Engineering Control

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

39.41-1-16

Cover System

Engineering Controls (ECs)

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

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

39.41-1-17

Cover System

Engineering Controls (ECs)

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

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

Parcel

Engineering Control

the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan and associated Community Air Monitoring Plan prepared for the site and provided in the SMP.

39.41-1-18

Cover System

Engineering Controls (ECs)

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

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

39.41-1-19

Cover System

Engineering Controls (ECs)

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

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

39.41-1-20

Cover System

Engineering Controls (ECs)

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

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

Parcel

Engineering Control

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

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

39.41-1-21

Cover System

Engineering Controls (ECs)

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

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

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

39.41-1-22

Cover System

Engineering Controls (ECs)

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

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

39.41-1-23

Cover System

Engineering Controls (ECs)

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

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

Parcel

Engineering Control

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

39.41-1-24

Cover System

Engineering Controls (ECs)

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

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

39.41-1-4 (Portion of)

Cover System

Engineering Controls (ECs)

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

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

39.41-1-5 (Portion of)

Parcel

Engineering Control

Cover System

Engineering Controls (ECs)

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

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

39.41-1-6 (Portion of)

Cover System

Engineering Controls (ECs)

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

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

39.41-1-7

Cover System

Engineering Controls (ECs)

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

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

Parcel

Engineering Control

- 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.

39.41-1-9

Cover System

Engineering Controls (ECs)

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

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

Date

**IC CERTIFICATIONS
SITE NO. C447042**

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____
print name print business address

am certifying as _____ (Owner or Remedial Party)

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

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

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 _____ at _____
print name print business address

am certifying as a _____
(Owner or Remedial Party)

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

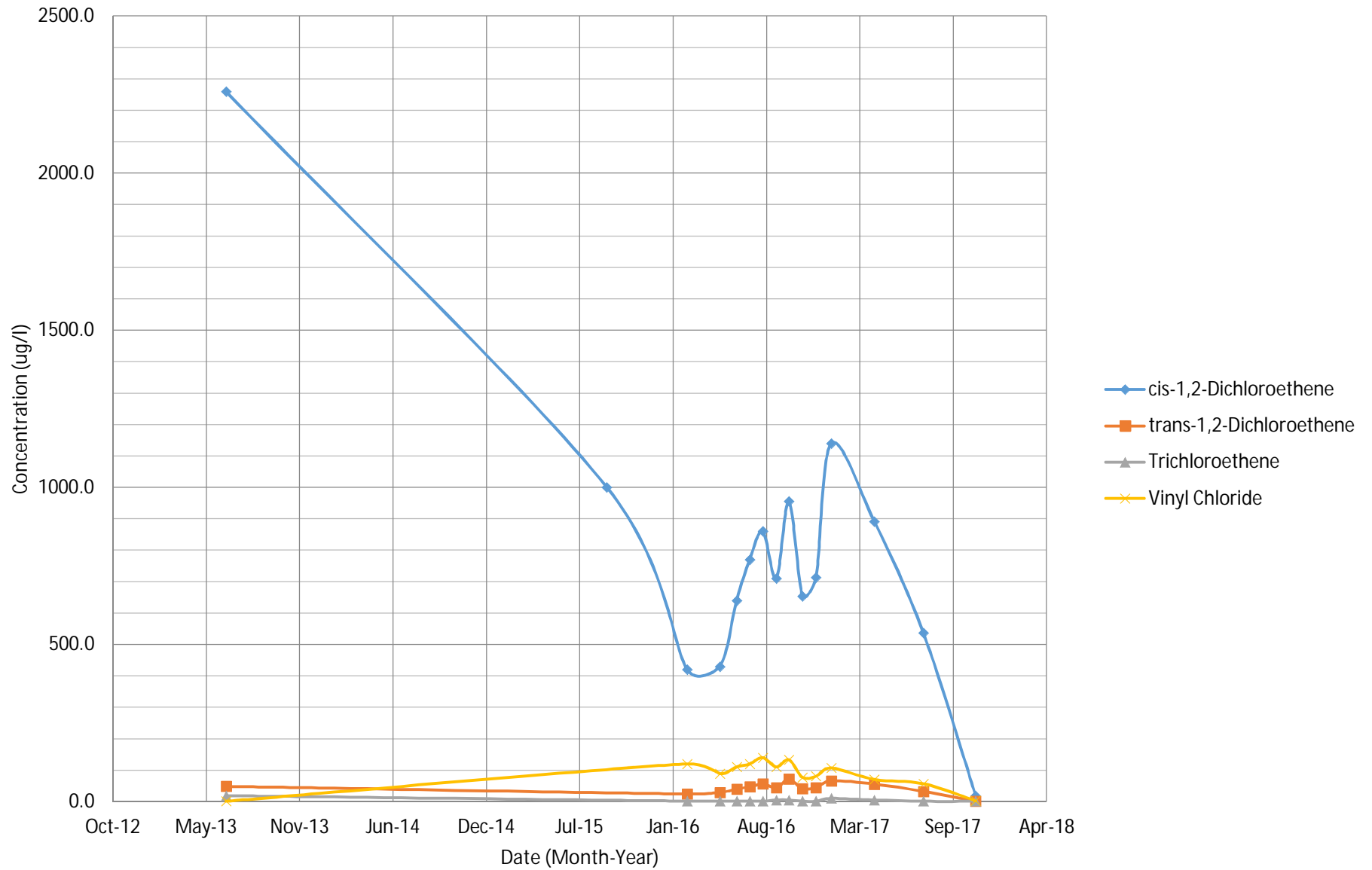
Stamp
(Required for PE)

Date

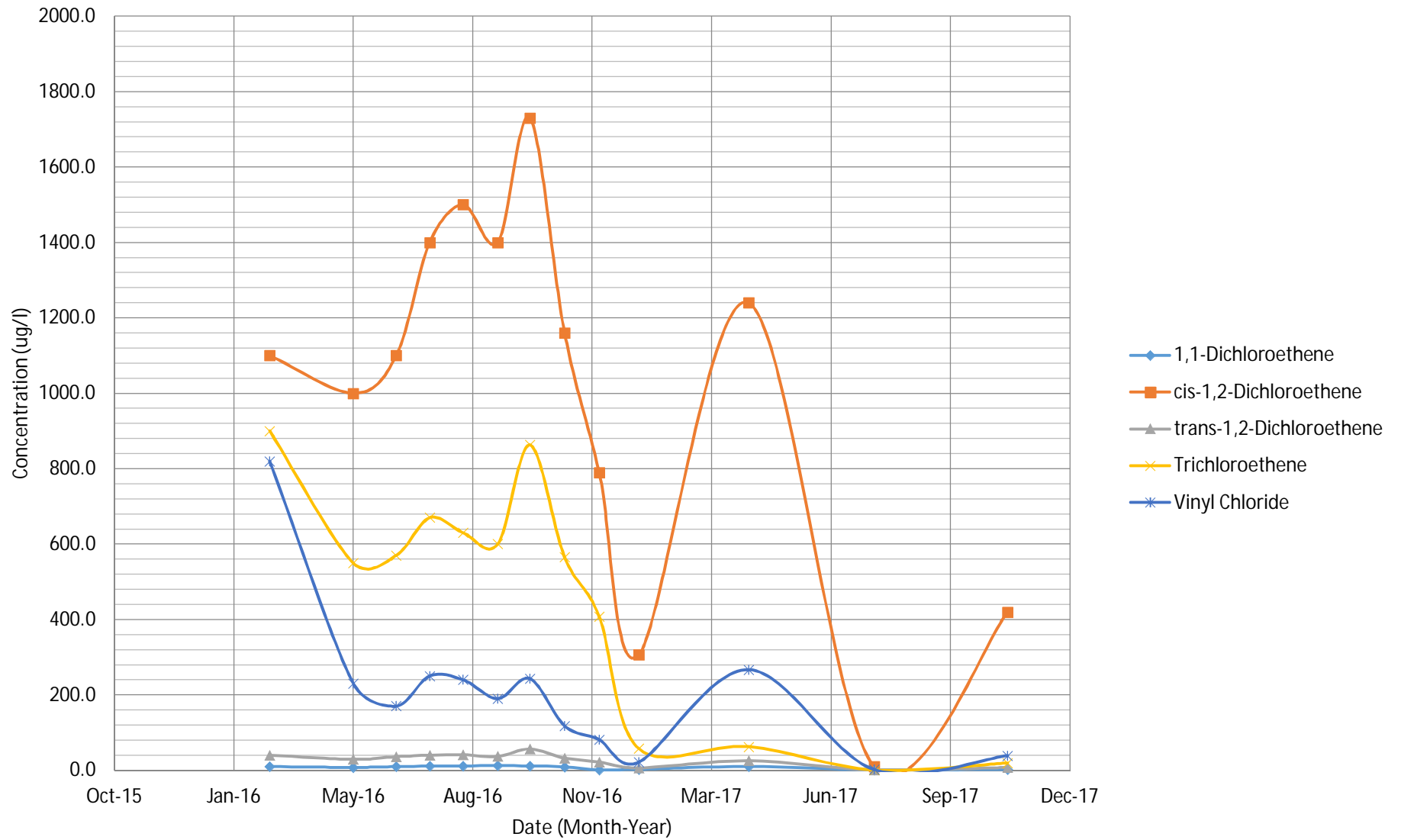
Attachment B

Groundwater VOC Exceedance Graphs

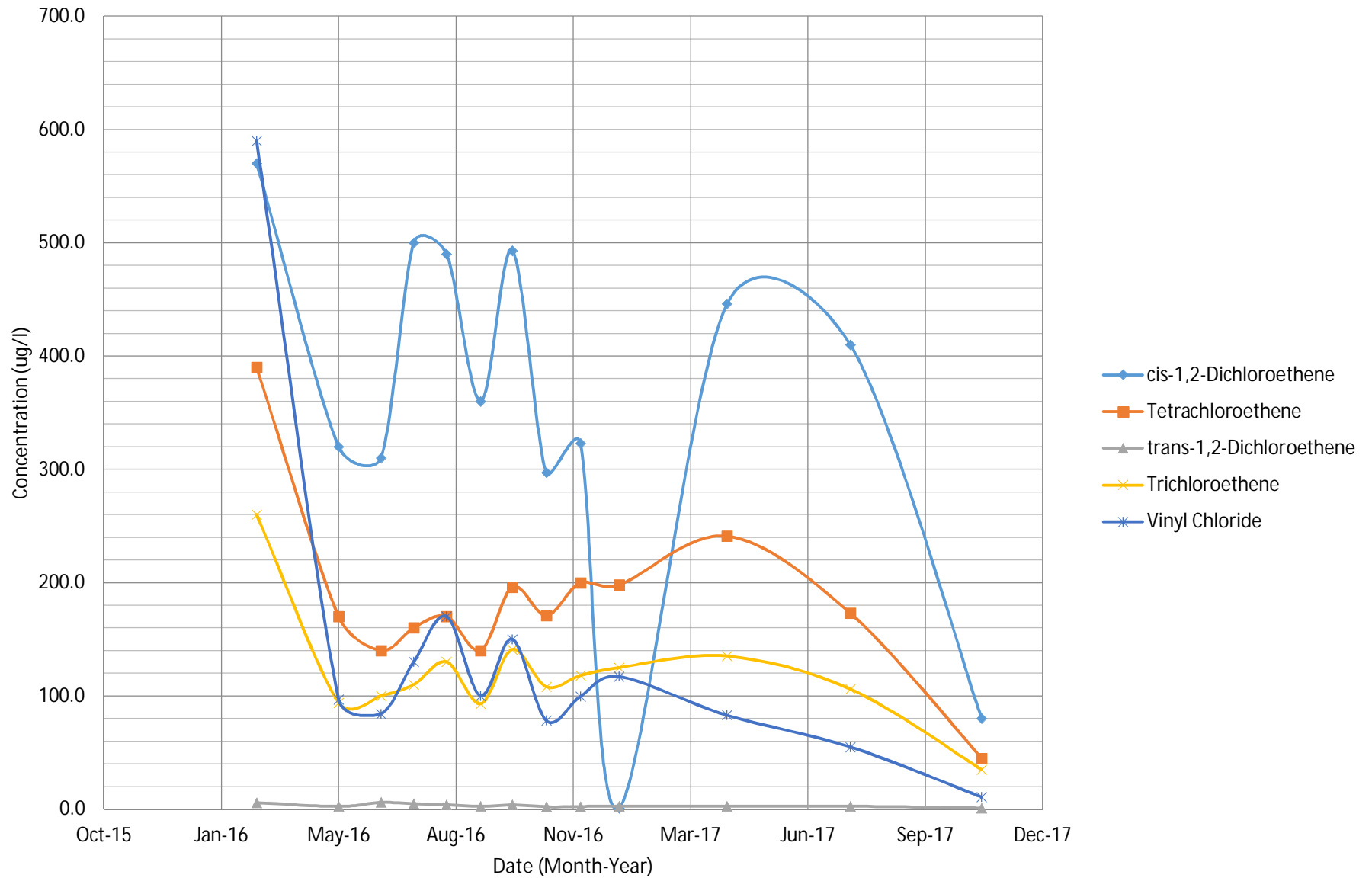
MW-62 VOC Exceedances



MW-64D VOC Exceedances



MW-65 VOC Exceedances



Attachment C

2017 Monitoring Data

January 19, 2017

Andy Barber
B&L
10 Airline Drive Suite 200
Albany, NY 12205

RE: Project: ALCO 1368.001.001 1/5/17
Pace Project No.: 708375

Dear Andy Barber:

Enclosed are the analytical results for sample(s) received by the laboratory on January 05, 2017. 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
Project Manager

Enclosures

cc: Rosemary McCormick, Barton and Loguidice
Accounts Payable, Barton and Loguidice
Nathan Shaffer, B&L



REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

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 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-19		Lab ID: 708375001		Collected: 01/04/17 15:30		Received: 01/05/17 13:14		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							
Calcium	46200	ug/L	1000	1	01/11/17 10:30	01/17/17 23:46	7440-70-2		
Hardness, Calcium	115000	ug/L	2500	1	01/11/17 10:30	01/17/17 23:46			
Hardness, Magnesium	18300	ug/L	4100	1	01/11/17 10:30	01/17/17 23:46		N3	
Magnesium	4440	ug/L	1000	1	01/11/17 10:30	01/17/17 23:46	7439-95-4		
Potassium	5710	ug/L	5000	1	01/11/17 10:30	01/17/17 23:46	7440-09-7		
Sodium	212000	ug/L	5000	1	01/11/17 10:30	01/17/17 23:46	7440-23-5		
Total Hardness	134000	ug/L	4100	1	01/11/17 10:30	01/17/17 23:46			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<5.0	ug/L	5.0	5		01/06/17 14:51	630-20-6		
1,1,1-Trichloroethane	<5.0	ug/L	5.0	5		01/06/17 14:51	71-55-6		
1,1,2,2-Tetrachloroethane	<5.0	ug/L	5.0	5		01/06/17 14:51	79-34-5		
1,1,2-Trichloroethane	<5.0	ug/L	5.0	5		01/06/17 14:51	79-00-5		
1,1-Dichloroethane	<5.0	ug/L	5.0	5		01/06/17 14:51	75-34-3		
1,1-Dichloroethene	<5.0	ug/L	5.0	5		01/06/17 14:51	75-35-4	L3	
1,1-Dichloropropene	<5.0	ug/L	5.0	5		01/06/17 14:51	563-58-6		
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	87-61-6		
1,2,3-Trichloropropane	<5.0	ug/L	5.0	5		01/06/17 14:51	96-18-4		
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	120-82-1		
1,2,4-Trimethylbenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	95-63-6		
1,2-Dibromo-3-chloropropane	<5.0	ug/L	5.0	5		01/06/17 14:51	96-12-8		
1,2-Dibromoethane (EDB)	<5.0	ug/L	5.0	5		01/06/17 14:51	106-93-4		
1,2-Dichlorobenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	95-50-1		
1,2-Dichloroethane	<5.0	ug/L	5.0	5		01/06/17 14:51	107-06-2		
1,2-Dichloropropane	<5.0	ug/L	5.0	5		01/06/17 14:51	78-87-5		
1,3,5-Trimethylbenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	108-67-8		
1,3-Dichlorobenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	541-73-1		
1,3-Dichloropropane	<5.0	ug/L	5.0	5		01/06/17 14:51	142-28-9		
1,4-Dichlorobenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	106-46-7		
2,2-Dichloropropane	<5.0	ug/L	5.0	5		01/06/17 14:51	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	5		01/06/17 14:51	78-93-3		
2-Chloroethylvinyl ether	<5.0	ug/L	5.0	5		01/06/17 14:51	110-75-8	1j,L2,c2	
2-Chlorotoluene	<5.0	ug/L	5.0	5		01/06/17 14:51	95-49-8	L3	
2-Hexanone	<5.0	ug/L	5.0	5		01/06/17 14:51	591-78-6		
4-Chlorotoluene	<5.0	ug/L	5.0	5		01/06/17 14:51	106-43-4	L3	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	5		01/06/17 14:51	108-10-1		
Acetone	<25.0	ug/L	25.0	5		01/06/17 14:51	67-64-1	CC,L1	
Benzene	<5.0	ug/L	5.0	5		01/06/17 14:51	71-43-2		
Bromobenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	108-86-1		
Bromochloromethane	<5.0	ug/L	5.0	5		01/06/17 14:51	74-97-5		
Bromodichloromethane	<5.0	ug/L	5.0	5		01/06/17 14:51	75-27-4		
Bromoform	<5.0	ug/L	5.0	5		01/06/17 14:51	75-25-2		
Bromomethane	6.7	ug/L	5.0	5		01/06/17 14:51	74-83-9	B,CC	
Carbon disulfide	<5.0	ug/L	5.0	5		01/06/17 14:51	75-15-0		
Carbon tetrachloride	<5.0	ug/L	5.0	5		01/06/17 14:51	56-23-5		
Chlorobenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	108-90-7		
Chloroethane	<5.0	ug/L	5.0	5		01/06/17 14:51	75-00-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-19		Lab ID: 708375001		Collected: 01/04/17 15:30		Received: 01/05/17 13:14		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		01/06/17 14:51	67-66-3		
Chloromethane	<5.0	ug/L	5.0	5		01/06/17 14:51	74-87-3		
Dibromochloromethane	<5.0	ug/L	5.0	5		01/06/17 14:51	124-48-1		
Dibromomethane	<5.0	ug/L	5.0	5		01/06/17 14:51	74-95-3		
Dichlorodifluoromethane	<5.0	ug/L	5.0	5		01/06/17 14:51	75-71-8		
Ethylbenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	100-41-4		
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	5		01/06/17 14:51	87-68-3		
Isopropylbenzene (Cumene)	<5.0	ug/L	5.0	5		01/06/17 14:51	98-82-8		
Methyl-tert-butyl ether	<5.0	ug/L	5.0	5		01/06/17 14:51	1634-04-4		
Methylene Chloride	<5.0	ug/L	5.0	5		01/06/17 14:51	75-09-2		
Naphthalene	<5.0	ug/L	5.0	5		01/06/17 14:51	91-20-3		
Styrene	<5.0	ug/L	5.0	5		01/06/17 14:51	100-42-5		
Tetrachloroethene	408	ug/L	5.0	5		01/06/17 14:51	127-18-4		
Toluene	<5.0	ug/L	5.0	5		01/06/17 14:51	108-88-3		
Trichloroethene	64.8	ug/L	5.0	5		01/06/17 14:51	79-01-6		
Trichlorofluoromethane	<5.0	ug/L	5.0	5		01/06/17 14:51	75-69-4		
Vinyl acetate	<5.0	ug/L	5.0	5		01/06/17 14:51	108-05-4		
Vinyl chloride	<5.0	ug/L	5.0	5		01/06/17 14:51	75-01-4		
Xylene (Total)	<5.0	ug/L	5.0	5		01/06/17 14:51	1330-20-7		
cis-1,2-Dichloroethene	110	ug/L	5.0	5		01/06/17 14:51	156-59-2		
cis-1,3-Dichloropropene	<5.0	ug/L	5.0	5		01/06/17 14:51	10061-01-5		
m&p-Xylene	<10.0	ug/L	10.0	5		01/06/17 14:51	179601-23-1		
n-Butylbenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	104-51-8	L3	
n-Propylbenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	103-65-1		
o-Xylene	<5.0	ug/L	5.0	5		01/06/17 14:51	95-47-6		
p-Isopropyltoluene	<5.0	ug/L	5.0	5		01/06/17 14:51	99-87-6	L3	
sec-Butylbenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	135-98-8	L3	
tert-Butylbenzene	<5.0	ug/L	5.0	5		01/06/17 14:51	98-06-6	L3	
trans-1,2-Dichloroethene	<5.0	ug/L	5.0	5		01/06/17 14:51	156-60-5		
trans-1,3-Dichloropropene	<5.0	ug/L	5.0	5		01/06/17 14:51	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%.	68-153	5		01/06/17 14:51	17060-07-0		
4-Bromofluorobenzene (S)	95	%.	79-124	5		01/06/17 14:51	460-00-4		
Toluene-d8 (S)	99	%.	69-124	5		01/06/17 14:51	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	172	mg/L	40.0	20		01/12/17 09:50	16887-00-6		
Sulfate	49.8	mg/L	5.0	1		01/11/17 17:10	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	2.9	mg/L	0.25	5		01/06/17 11:46	14797-55-8		
Nitrate-Nitrite (as N)	2.9	mg/L	0.25	5		01/06/17 11:46	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		01/06/17 10:03	14797-65-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-46		Lab ID: 708375002		Collected: 01/04/17 15:00		Received: 01/05/17 13:14		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							
Calcium	192000	ug/L	1000	1	01/11/17 10:30	01/18/17 00:06	7440-70-2	N3	
Hardness, Calcium	480000	ug/L	2500	1	01/11/17 10:30	01/18/17 00:06			
Hardness, Magnesium	92400	ug/L	4100	1	01/11/17 10:30	01/18/17 00:06			
Magnesium	22400	ug/L	1000	1	01/11/17 10:30	01/18/17 00:06	7439-95-4		
Potassium	13500	ug/L	5000	1	01/11/17 10:30	01/18/17 00:06	7440-09-7		
Sodium	996000	ug/L	5000	1	01/11/17 10:30	01/18/17 00:06	7440-23-5		
Total Hardness	573000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:06			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<40.0	ug/L	40.0	40		01/06/17 15:13	630-20-6	L1	
1,1,1-Trichloroethane	<40.0	ug/L	40.0	40		01/06/17 15:13	71-55-6		
1,1,2,2-Tetrachloroethane	<40.0	ug/L	40.0	40		01/06/17 15:13	79-34-5		
1,1,2-Trichloroethane	<40.0	ug/L	40.0	40		01/06/17 15:13	79-00-5		
1,1-Dichloroethane	<40.0	ug/L	40.0	40		01/06/17 15:13	75-34-3		
1,1-Dichloroethene	<40.0	ug/L	40.0	40		01/06/17 15:13	75-35-4		
1,1-Dichloropropene	<40.0	ug/L	40.0	40		01/06/17 15:13	563-58-6		
1,2,3-Trichlorobenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	87-61-6		
1,2,3-Trichloropropane	<40.0	ug/L	40.0	40		01/06/17 15:13	96-18-4		
1,2,4-Trichlorobenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	120-82-1		
1,2,4-Trimethylbenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	95-63-6		
1,2-Dibromo-3-chloropropane	<40.0	ug/L	40.0	40		01/06/17 15:13	96-12-8		
1,2-Dibromoethane (EDB)	<40.0	ug/L	40.0	40		01/06/17 15:13	106-93-4		
1,2-Dichlorobenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	95-50-1		
1,2-Dichloroethane	<40.0	ug/L	40.0	40		01/06/17 15:13	107-06-2		
1,2-Dichloropropane	<40.0	ug/L	40.0	40		01/06/17 15:13	78-87-5		
1,3,5-Trimethylbenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	108-67-8		
1,3-Dichlorobenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	541-73-1		
1,3-Dichloropropane	<40.0	ug/L	40.0	40		01/06/17 15:13	142-28-9		
1,4-Dichlorobenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	106-46-7		
2,2-Dichloropropane	<40.0	ug/L	40.0	40		01/06/17 15:13	594-20-7		
2-Butanone (MEK)	<40.0	ug/L	40.0	40		01/06/17 15:13	78-93-3		
2-Chloroethylvinyl ether	<40.0	ug/L	40.0	40		01/06/17 15:13	110-75-8		
2-Chlorotoluene	<40.0	ug/L	40.0	40		01/06/17 15:13	95-49-8		
2-Hexanone	<40.0	ug/L	40.0	40		01/06/17 15:13	591-78-6		
4-Chlorotoluene	<40.0	ug/L	40.0	40		01/06/17 15:13	106-43-4		
4-Methyl-2-pentanone (MIBK)	<40.0	ug/L	40.0	40		01/06/17 15:13	108-10-1		
Acetone	<200	ug/L	200	40		01/06/17 15:13	67-64-1		
Benzene	<40.0	ug/L	40.0	40		01/06/17 15:13	71-43-2		
Bromobenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	108-86-1		
Bromochloromethane	<40.0	ug/L	40.0	40		01/06/17 15:13	74-97-5		
Bromodichloromethane	<40.0	ug/L	40.0	40		01/06/17 15:13	75-27-4		
Bromoform	<40.0	ug/L	40.0	40		01/06/17 15:13	75-25-2		
Bromomethane	54.2	ug/L	40.0	40		01/06/17 15:13	74-83-9		
Carbon disulfide	<40.0	ug/L	40.0	40		01/06/17 15:13	75-15-0		
Carbon tetrachloride	<40.0	ug/L	40.0	40		01/06/17 15:13	56-23-5		
Chlorobenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	108-90-7		
Chloroethane	<40.0	ug/L	40.0	40		01/06/17 15:13	75-00-3		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-46		Lab ID: 708375002		Collected: 01/04/17 15:00		Received: 01/05/17 13:14		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Chloroform	<40.0	ug/L	40.0	40		01/06/17 15:13	67-66-3		
Chloromethane	<40.0	ug/L	40.0	40		01/06/17 15:13	74-87-3		
Dibromochloromethane	<40.0	ug/L	40.0	40		01/06/17 15:13	124-48-1		
Dibromomethane	<40.0	ug/L	40.0	40		01/06/17 15:13	74-95-3		
Dichlorodifluoromethane	<40.0	ug/L	40.0	40		01/06/17 15:13	75-71-8		
Ethylbenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	100-41-4		
Hexachloro-1,3-butadiene	<40.0	ug/L	40.0	40		01/06/17 15:13	87-68-3		
Isopropylbenzene (Cumene)	<40.0	ug/L	40.0	40		01/06/17 15:13	98-82-8		
Methyl-tert-butyl ether	<40.0	ug/L	40.0	40		01/06/17 15:13	1634-04-4		
Methylene Chloride	<40.0	ug/L	40.0	40		01/06/17 15:13	75-09-2		
Naphthalene	<40.0	ug/L	40.0	40		01/06/17 15:13	91-20-3		
Styrene	<40.0	ug/L	40.0	40		01/06/17 15:13	100-42-5		
Tetrachloroethene	82.0	ug/L	40.0	40		01/06/17 15:13	127-18-4		
Toluene	<40.0	ug/L	40.0	40		01/06/17 15:13	108-88-3		
Trichloroethene	132	ug/L	40.0	40		01/06/17 15:13	79-01-6		
Trichlorofluoromethane	<40.0	ug/L	40.0	40		01/06/17 15:13	75-69-4		
Vinyl acetate	<40.0	ug/L	40.0	40		01/06/17 15:13	108-05-4		
Vinyl chloride	543	ug/L	40.0	40		01/06/17 15:13	75-01-4		
Xylene (Total)	<40.0	ug/L	40.0	40		01/06/17 15:13	1330-20-7		
cis-1,2-Dichloroethene	7480	ug/L	40.0	40		01/06/17 15:13	156-59-2		
cis-1,3-Dichloropropene	<40.0	ug/L	40.0	40		01/06/17 15:13	10061-01-5		
m&p-Xylene	<80.0	ug/L	80.0	40		01/06/17 15:13	179601-23-1		
n-Butylbenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	104-51-8	L3	
n-Propylbenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	103-65-1		
o-Xylene	<40.0	ug/L	40.0	40		01/06/17 15:13	95-47-6		
p-Isopropyltoluene	<40.0	ug/L	40.0	40		01/06/17 15:13	99-87-6	L3	
sec-Butylbenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	135-98-8	L3	
tert-Butylbenzene	<40.0	ug/L	40.0	40		01/06/17 15:13	98-06-6	L3	
trans-1,2-Dichloroethene	74.8	ug/L	40.0	40		01/06/17 15:13	156-60-5		
trans-1,3-Dichloropropene	<40.0	ug/L	40.0	40		01/06/17 15:13	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%.	68-153	40		01/06/17 15:13	17060-07-0		
4-Bromofluorobenzene (S)	88	%.	79-124	40		01/06/17 15:13	460-00-4		
Toluene-d8 (S)	99	%.	69-124	40		01/06/17 15:13	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	1920	mg/L	200	100		01/12/17 10:17	16887-00-6		
Sulfate	159	mg/L	50.0	10		01/12/17 10:03	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		01/06/17 11:48	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		01/06/17 11:48	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		01/06/17 10:04	14797-65-0		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-70S		Lab ID: 708375003		Collected: 01/04/17 14:50		Received: 01/05/17 13:14		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							
Calcium	174000	ug/L	1000	1	01/11/17 10:30	01/18/17 00:12	7440-70-2		
Hardness, Calcium	433000	ug/L	2500	1	01/11/17 10:30	01/18/17 00:12			
Hardness, Magnesium	149000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:12		N3	
Magnesium	36300	ug/L	1000	1	01/11/17 10:30	01/18/17 00:12	7439-95-4		
Potassium	18200	ug/L	5000	1	01/11/17 10:30	01/18/17 00:12	7440-09-7		
Sodium	142000	ug/L	5000	1	01/11/17 10:30	01/18/17 00:12	7440-23-5		
Total Hardness	583000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:12			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 15:34	630-20-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 15:34	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 15:34	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 15:34	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 15:34	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 15:34	75-35-4	L3	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 15:34	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 15:34	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		01/06/17 15:34	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 15:34	120-82-1		
1,2,4-Trimethylbenzene	50.9	ug/L	1.0	1		01/06/17 15:34	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		01/06/17 15:34	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		01/06/17 15:34	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 15:34	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 15:34	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 15:34	78-87-5		
1,3,5-Trimethylbenzene	1.5	ug/L	1.0	1		01/06/17 15:34	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 15:34	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 15:34	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 15:34	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 15:34	594-20-7		
2-Butanone (MEK)	<1.0	ug/L	1.0	1		01/06/17 15:34	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		01/06/17 15:34	110-75-8	1j,L2,c2	
2-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 15:34	95-49-8	L3	
2-Hexanone	<1.0	ug/L	1.0	1		01/06/17 15:34	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 15:34	106-43-4	L3	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	1		01/06/17 15:34	108-10-1		
Acetone	<5.0	ug/L	5.0	1		01/06/17 15:34	67-64-1	CC,L1	
Benzene	21.2	ug/L	1.0	1		01/06/17 15:34	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		01/06/17 15:34	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		01/06/17 15:34	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		01/06/17 15:34	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/06/17 15:34	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/06/17 15:34	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		01/06/17 15:34	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/06/17 15:34	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/06/17 15:34	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		01/06/17 15:34	75-00-3		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-70S		Lab ID: 708375003		Collected: 01/04/17 14:50		Received: 01/05/17 13:14		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		01/06/17 15:34	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/06/17 15:34	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/06/17 15:34	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		01/06/17 15:34	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		01/06/17 15:34	75-71-8		
Ethylbenzene	<1.0	ug/L	1.0	1		01/06/17 15:34	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		01/06/17 15:34	87-68-3		
Isopropylbenzene (Cumene)	5.2	ug/L	1.0	1		01/06/17 15:34	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		01/06/17 15:34	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		01/06/17 15:34	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		01/06/17 15:34	91-20-3		
Styrene	<1.0	ug/L	1.0	1		01/06/17 15:34	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		01/06/17 15:34	127-18-4		
Toluene	<1.0	ug/L	1.0	1		01/06/17 15:34	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		01/06/17 15:34	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		01/06/17 15:34	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		01/06/17 15:34	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		01/06/17 15:34	75-01-4		
Xylene (Total)	1.3	ug/L	1.0	1		01/06/17 15:34	1330-20-7		
cis-1,2-Dichloroethene	2.2	ug/L	1.0	1		01/06/17 15:34	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 15:34	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		01/06/17 15:34	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 15:34	104-51-8	L3	
n-Propylbenzene	6.1	ug/L	1.0	1		01/06/17 15:34	103-65-1		
o-Xylene	1.3	ug/L	1.0	1		01/06/17 15:34	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		01/06/17 15:34	99-87-6	L3	
sec-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 15:34	135-98-8	L3	
tert-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 15:34	98-06-6	L3	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 15:34	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 15:34	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%.	68-153	1		01/06/17 15:34	17060-07-0		
4-Bromofluorobenzene (S)	101	%.	79-124	1		01/06/17 15:34	460-00-4		
Toluene-d8 (S)	103	%.	69-124	1		01/06/17 15:34	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	225	mg/L	200	100		01/12/17 10:30	16887-00-6		
Sulfate	25.0	mg/L	5.0	1		01/11/17 17:37	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.69	mg/L	0.050	1		01/06/17 11:49	14797-55-8		
Nitrate-Nitrite (as N)	0.73	mg/L	0.050	1		01/06/17 11:49	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		01/06/17 10:06	14797-65-0		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-70D		Lab ID: 708375004		Collected: 01/04/17 14:00		Received: 01/05/17 13:14		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							
Calcium	196000	ug/L	1000	1	01/11/17 10:30	01/18/17 00:17	7440-70-2		
Hardness, Calcium	490000	ug/L	2500	1	01/11/17 10:30	01/18/17 00:17			
Hardness, Magnesium	190000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:17		N3	
Magnesium	46100	ug/L	1000	1	01/11/17 10:30	01/18/17 00:17	7439-95-4		
Potassium	8750	ug/L	5000	1	01/11/17 10:30	01/18/17 00:17	7440-09-7		
Sodium	289000	ug/L	5000	1	01/11/17 10:30	01/18/17 00:17	7440-23-5		
Total Hardness	680000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:17			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 15:56	630-20-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 15:56	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 15:56	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 15:56	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 15:56	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 15:56	75-35-4	L3	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 15:56	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		01/06/17 15:56	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		01/06/17 15:56	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		01/06/17 15:56	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 15:56	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 15:56	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 15:56	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 15:56	594-20-7		
2-Butanone (MEK)	<1.0	ug/L	1.0	1		01/06/17 15:56	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		01/06/17 15:56	110-75-8	1j, L2, c2	
2-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 15:56	95-49-8	L3	
2-Hexanone	<1.0	ug/L	1.0	1		01/06/17 15:56	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 15:56	106-43-4	L3	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	1		01/06/17 15:56	108-10-1		
Acetone	<5.0	ug/L	5.0	1		01/06/17 15:56	67-64-1	L3	
Benzene	<1.0	ug/L	1.0	1		01/06/17 15:56	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		01/06/17 15:56	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		01/06/17 15:56	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/06/17 15:56	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/06/17 15:56	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		01/06/17 15:56	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/06/17 15:56	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		01/06/17 15:56	75-00-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-70D		Lab ID: 708375004		Collected: 01/04/17 14:00		Received: 01/05/17 13:14		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		01/06/17 15:56	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/06/17 15:56	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/06/17 15:56	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		01/06/17 15:56	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		01/06/17 15:56	75-71-8		
Ethylbenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		01/06/17 15:56	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		01/06/17 15:56	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		01/06/17 15:56	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		01/06/17 15:56	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		01/06/17 15:56	91-20-3		
Styrene	<1.0	ug/L	1.0	1		01/06/17 15:56	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		01/06/17 15:56	127-18-4		
Toluene	<1.0	ug/L	1.0	1		01/06/17 15:56	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		01/06/17 15:56	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		01/06/17 15:56	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		01/06/17 15:56	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		01/06/17 15:56	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		01/06/17 15:56	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 15:56	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 15:56	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		01/06/17 15:56	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	104-51-8	L3	
n-Propylbenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		01/06/17 15:56	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		01/06/17 15:56	99-87-6	L3	
sec-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	135-98-8	L3	
tert-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 15:56	98-06-6	L3	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 15:56	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 15:56	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%.	68-153	1		01/06/17 15:56	17060-07-0		
4-Bromofluorobenzene (S)	95	%.	79-124	1		01/06/17 15:56	460-00-4		
Toluene-d8 (S)	92	%.	69-124	1		01/06/17 15:56	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	565	mg/L	100	50		01/12/17 11:38	16887-00-6		
Sulfate	55.2	mg/L	25.0	5		01/12/17 10:44	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.35	mg/L	0.050	1		01/06/17 11:51	14797-55-8		
Nitrate-Nitrite (as N)	0.35	mg/L	0.050	1		01/06/17 11:51	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		01/06/17 10:07	14797-65-0		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-69		Lab ID: 708375005		Collected: 01/04/17 11:00		Received: 01/05/17 13:14		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							
Calcium	113000	ug/L	1000	1	01/11/17 10:30	01/18/17 00:22	7440-70-2	N3	
Hardness, Calcium	283000	ug/L	2500	1	01/11/17 10:30	01/18/17 00:22			
Hardness, Magnesium	50000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:22			
Magnesium	12200	ug/L	1000	1	01/11/17 10:30	01/18/17 00:22	7439-95-4		
Potassium	<5000	ug/L	5000	1	01/11/17 10:30	01/18/17 00:22	7440-09-7		
Sodium	59400	ug/L	5000	1	01/11/17 10:30	01/18/17 00:22	7440-23-5		
Total Hardness	333000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:22			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 16:17	630-20-6	L3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 16:17	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 16:17	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 16:17	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 16:17	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 16:17	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 16:17	563-58-6	1j, L2, c2	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		01/06/17 16:17	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		01/06/17 16:17	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		01/06/17 16:17	106-93-4	L3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 16:17	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 16:17	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 16:17	142-28-9	CC, L1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 16:17	594-20-7		
2-Butanone (MEK)	<1.0	ug/L	1.0	1		01/06/17 16:17	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		01/06/17 16:17	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 16:17	95-49-8		
2-Hexanone	<1.0	ug/L	1.0	1		01/06/17 16:17	591-78-6	L3	
4-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 16:17	106-43-4		
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	1		01/06/17 16:17	108-10-1		
Acetone	<5.0	ug/L	5.0	1		01/06/17 16:17	67-64-1		
Benzene	<1.0	ug/L	1.0	1		01/06/17 16:17	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		01/06/17 16:17	74-97-5	CC, L1	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/06/17 16:17	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/06/17 16:17	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/06/17 16:17	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		01/06/17 16:17	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/06/17 16:17	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	108-90-7	CC, L1	
Chloroethane	<1.0	ug/L	1.0	1		01/06/17 16:17	75-00-3		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-69		Lab ID: 708375005		Collected: 01/04/17 11:00		Received: 01/05/17 13:14		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		01/06/17 16:17	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/06/17 16:17	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/06/17 16:17	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		01/06/17 16:17	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		01/06/17 16:17	75-71-8		
Ethylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		01/06/17 16:17	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		01/06/17 16:17	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		01/06/17 16:17	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		01/06/17 16:17	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		01/06/17 16:17	91-20-3		
Styrene	<1.0	ug/L	1.0	1		01/06/17 16:17	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		01/06/17 16:17	127-18-4		
Toluene	<1.0	ug/L	1.0	1		01/06/17 16:17	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		01/06/17 16:17	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		01/06/17 16:17	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		01/06/17 16:17	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		01/06/17 16:17	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		01/06/17 16:17	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 16:17	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 16:17	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		01/06/17 16:17	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	104-51-8	L3	
n-Propylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		01/06/17 16:17	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		01/06/17 16:17	99-87-6	L3	
sec-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	135-98-8	L3	
tert-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:17	98-06-6	L3	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 16:17	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 16:17	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	106	%.	68-153	1		01/06/17 16:17	17060-07-0		
4-Bromofluorobenzene (S)	98	%.	79-124	1		01/06/17 16:17	460-00-4		
Toluene-d8 (S)	95	%.	69-124	1		01/06/17 16:17	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	92.4	mg/L	10.0	5		01/12/17 11:51	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		01/11/17 18:04	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.14	mg/L	0.050	1		01/06/17 11:52	14797-55-8		
Nitrate-Nitrite (as N)	0.16	mg/L	0.050	1		01/06/17 11:52	7727-37-9	H1	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		01/06/17 10:08	14797-65-0		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-68		Lab ID: 708375006		Collected: 01/04/17 11:30		Received: 01/05/17 13:14		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							
Calcium	159000	ug/L	1000	1	01/11/17 10:30	01/18/17 00:37	7440-70-2		
Hardness, Calcium	397000	ug/L	2500	1	01/11/17 10:30	01/18/17 00:37			
Hardness, Magnesium	119000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:37		N3	
Magnesium	29000	ug/L	1000	1	01/11/17 10:30	01/18/17 00:37	7439-95-4		
Potassium	<5000	ug/L	5000	1	01/11/17 10:30	01/18/17 00:37	7440-09-7		
Sodium	149000	ug/L	5000	1	01/11/17 10:30	01/18/17 00:37	7440-23-5		
Total Hardness	516000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:37			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 16:38	630-20-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 16:38	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 16:38	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 16:38	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 16:38	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 16:38	75-35-4	L3	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 16:38	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		01/06/17 16:38	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		01/06/17 16:38	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		01/06/17 16:38	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 16:38	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 16:38	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 16:38	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 16:38	594-20-7		
2-Butanone (MEK)	<1.0	ug/L	1.0	1		01/06/17 16:38	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		01/06/17 16:38	110-75-8	1j,L2,c2	
2-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 16:38	95-49-8	L3	
2-Hexanone	<1.0	ug/L	1.0	1		01/06/17 16:38	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 16:38	106-43-4	L3	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	1		01/06/17 16:38	108-10-1		
Acetone	<5.0	ug/L	5.0	1		01/06/17 16:38	67-64-1	CC,L1	
Benzene	<1.0	ug/L	1.0	1		01/06/17 16:38	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		01/06/17 16:38	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		01/06/17 16:38	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/06/17 16:38	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/06/17 16:38	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		01/06/17 16:38	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/06/17 16:38	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		01/06/17 16:38	75-00-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-68		Lab ID: 708375006		Collected: 01/04/17 11:30		Received: 01/05/17 13:14		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		01/06/17 16:38	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/06/17 16:38	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/06/17 16:38	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		01/06/17 16:38	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		01/06/17 16:38	75-71-8		
Ethylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		01/06/17 16:38	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		01/06/17 16:38	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		01/06/17 16:38	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		01/06/17 16:38	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		01/06/17 16:38	91-20-3		
Styrene	<1.0	ug/L	1.0	1		01/06/17 16:38	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		01/06/17 16:38	127-18-4		
Toluene	<1.0	ug/L	1.0	1		01/06/17 16:38	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		01/06/17 16:38	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		01/06/17 16:38	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		01/06/17 16:38	108-05-4		
Vinyl chloride	7.9	ug/L	1.0	1		01/06/17 16:38	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		01/06/17 16:38	1330-20-7		
cis-1,2-Dichloroethene	1.3	ug/L	1.0	1		01/06/17 16:38	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 16:38	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		01/06/17 16:38	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	104-51-8	L3	
n-Propylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		01/06/17 16:38	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		01/06/17 16:38	99-87-6	L3	
sec-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	135-98-8	L3	
tert-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 16:38	98-06-6	L3	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 16:38	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 16:38	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%.	68-153	1		01/06/17 16:38	17060-07-0		
4-Bromofluorobenzene (S)	99	%.	79-124	1		01/06/17 16:38	460-00-4		
Toluene-d8 (S)	89	%.	69-124	1		01/06/17 16:38	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	221	mg/L	40.0	20		01/12/17 12:05	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		01/11/17 18:17	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		01/06/17 11:54	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		01/06/17 11:54	7727-37-9	H1	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		01/06/17 10:09	14797-65-0		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-67		Lab ID: 708375007		Collected: 01/04/17 12:00		Received: 01/05/17 13:14		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							
Calcium	277000	ug/L	1000	1	01/11/17 10:30	01/18/17 00:43	7440-70-2		
Hardness, Calcium	691000	ug/L	2500	1	01/11/17 10:30	01/18/17 00:43			
Hardness, Magnesium	166000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:43		N3	
Magnesium	40400	ug/L	1000	1	01/11/17 10:30	01/18/17 00:43	7439-95-4		
Potassium	12200	ug/L	5000	1	01/11/17 10:30	01/18/17 00:43	7440-09-7		
Sodium	523000	ug/L	5000	1	01/11/17 10:30	01/18/17 00:43	7440-23-5		
Total Hardness	858000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:43			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		01/06/17 17:00	630-20-6		
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		01/06/17 17:00	71-55-6		
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		01/06/17 17:00	79-34-5		
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		01/06/17 17:00	79-00-5		
1,1-Dichloroethane	<10.0	ug/L	10.0	10		01/06/17 17:00	75-34-3		
1,1-Dichloroethene	<10.0	ug/L	10.0	10		01/06/17 17:00	75-35-4	L3	
1,1-Dichloropropene	<10.0	ug/L	10.0	10		01/06/17 17:00	563-58-6		
1,2,3-Trichlorobenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	87-61-6		
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		01/06/17 17:00	96-18-4		
1,2,4-Trichlorobenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	120-82-1		
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	95-63-6		
1,2-Dibromo-3-chloropropane	<10.0	ug/L	10.0	10		01/06/17 17:00	96-12-8		
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		01/06/17 17:00	106-93-4		
1,2-Dichlorobenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	95-50-1		
1,2-Dichloroethane	<10.0	ug/L	10.0	10		01/06/17 17:00	107-06-2		
1,2-Dichloropropane	<10.0	ug/L	10.0	10		01/06/17 17:00	78-87-5		
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	108-67-8		
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	541-73-1		
1,3-Dichloropropane	<10.0	ug/L	10.0	10		01/06/17 17:00	142-28-9		
1,4-Dichlorobenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	106-46-7		
2,2-Dichloropropane	<10.0	ug/L	10.0	10		01/06/17 17:00	594-20-7		
2-Butanone (MEK)	<10.0	ug/L	10.0	10		01/06/17 17:00	78-93-3		
2-Chloroethylvinyl ether	<10.0	ug/L	10.0	10		01/06/17 17:00	110-75-8	1j, L2, c2	
2-Chlorotoluene	<10.0	ug/L	10.0	10		01/06/17 17:00	95-49-8	L3	
2-Hexanone	<10.0	ug/L	10.0	10		01/06/17 17:00	591-78-6		
4-Chlorotoluene	<10.0	ug/L	10.0	10		01/06/17 17:00	106-43-4	L3	
4-Methyl-2-pentanone (MIBK)	<10.0	ug/L	10.0	10		01/06/17 17:00	108-10-1		
Acetone	<50.0	ug/L	50.0	10		01/06/17 17:00	67-64-1	L3	
Benzene	<10.0	ug/L	10.0	10		01/06/17 17:00	71-43-2		
Bromobenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	108-86-1		
Bromochloromethane	<10.0	ug/L	10.0	10		01/06/17 17:00	74-97-5		
Bromodichloromethane	<10.0	ug/L	10.0	10		01/06/17 17:00	75-27-4		
Bromoform	<10.0	ug/L	10.0	10		01/06/17 17:00	75-25-2		
Bromomethane	<10.0	ug/L	10.0	10		01/06/17 17:00	74-83-9		
Carbon disulfide	<10.0	ug/L	10.0	10		01/06/17 17:00	75-15-0		
Carbon tetrachloride	<10.0	ug/L	10.0	10		01/06/17 17:00	56-23-5		
Chlorobenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	108-90-7		
Chloroethane	<10.0	ug/L	10.0	10		01/06/17 17:00	75-00-3		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-67		Lab ID: 708375007		Collected: 01/04/17 12:00		Received: 01/05/17 13:14		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		01/06/17 17:00	67-66-3		
Chloromethane	<10.0	ug/L	10.0	10		01/06/17 17:00	74-87-3		
Dibromochloromethane	<10.0	ug/L	10.0	10		01/06/17 17:00	124-48-1		
Dibromomethane	<10.0	ug/L	10.0	10		01/06/17 17:00	74-95-3		
Dichlorodifluoromethane	<10.0	ug/L	10.0	10		01/06/17 17:00	75-71-8		
Ethylbenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	100-41-4		
Hexachloro-1,3-butadiene	<10.0	ug/L	10.0	10		01/06/17 17:00	87-68-3		
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		01/06/17 17:00	98-82-8		
Methyl-tert-butyl ether	<10.0	ug/L	10.0	10		01/06/17 17:00	1634-04-4		
Methylene Chloride	<10.0	ug/L	10.0	10		01/06/17 17:00	75-09-2		
Naphthalene	<10.0	ug/L	10.0	10		01/06/17 17:00	91-20-3		
Styrene	<10.0	ug/L	10.0	10		01/06/17 17:00	100-42-5		
Tetrachloroethene	155	ug/L	10.0	10		01/06/17 17:00	127-18-4		
Toluene	<10.0	ug/L	10.0	10		01/06/17 17:00	108-88-3		
Trichloroethene	122	ug/L	10.0	10		01/06/17 17:00	79-01-6		
Trichlorofluoromethane	<10.0	ug/L	10.0	10		01/06/17 17:00	75-69-4		
Vinyl acetate	<10.0	ug/L	10.0	10		01/06/17 17:00	108-05-4		
Vinyl chloride	68.6	ug/L	10.0	10		01/06/17 17:00	75-01-4		
Xylene (Total)	<10.0	ug/L	10.0	10		01/06/17 17:00	1330-20-7		
cis-1,2-Dichloroethene	1190	ug/L	10.0	10		01/06/17 17:00	156-59-2		
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		01/06/17 17:00	10061-01-5		
m&p-Xylene	<20.0	ug/L	20.0	10		01/06/17 17:00	179601-23-1		
n-Butylbenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	104-51-8	L3	
n-Propylbenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	103-65-1		
o-Xylene	<10.0	ug/L	10.0	10		01/06/17 17:00	95-47-6		
p-Isopropyltoluene	<10.0	ug/L	10.0	10		01/06/17 17:00	99-87-6	L3	
sec-Butylbenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	135-98-8	L3	
tert-Butylbenzene	<10.0	ug/L	10.0	10		01/06/17 17:00	98-06-6	L3	
trans-1,2-Dichloroethene	14.2	ug/L	10.0	10		01/06/17 17:00	156-60-5		
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		01/06/17 17:00	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%.	68-153	10		01/06/17 17:00	17060-07-0		
4-Bromofluorobenzene (S)	99	%.	79-124	10		01/06/17 17:00	460-00-4		
Toluene-d8 (S)	97	%.	69-124	10		01/06/17 17:00	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	1000	mg/L	200	100		01/12/17 15:54	16887-00-6		
Sulfate	195	mg/L	50.0	10		01/12/17 15:41	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.17	mg/L	0.050	1		01/06/17 11:55	14797-55-8		
Nitrate-Nitrite (as N)	0.17	mg/L	0.050	1		01/06/17 11:55	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		01/06/17 10:10	14797-65-0		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-66		Lab ID: 708375008		Collected: 01/04/17 09:35		Received: 01/05/17 13:14		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							
Calcium	192000	ug/L	1000	1	01/11/17 10:30	01/18/17 00:48	7440-70-2	N3	
Hardness, Calcium	478000	ug/L	2500	1	01/11/17 10:30	01/18/17 00:48			
Hardness, Magnesium	102000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:48			
Magnesium	24700	ug/L	1000	1	01/11/17 10:30	01/18/17 00:48	7439-95-4		
Potassium	11400	ug/L	5000	1	01/11/17 10:30	01/18/17 00:48	7440-09-7		
Sodium	295000	ug/L	5000	1	01/11/17 10:30	01/18/17 00:48	7440-23-5		
Total Hardness	580000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:48			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 17:21	630-20-6	L3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 17:21	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 17:21	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 17:21	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 17:21	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 17:21	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 17:21	563-58-6	1j, L2, c2	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		01/06/17 17:21	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		01/06/17 17:21	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		01/06/17 17:21	106-93-4	L3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 17:21	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 17:21	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 17:21	142-28-9	L3	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 17:21	594-20-7		
2-Butanone (MEK)	<1.0	ug/L	1.0	1		01/06/17 17:21	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		01/06/17 17:21	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 17:21	95-49-8		
2-Hexanone	<1.0	ug/L	1.0	1		01/06/17 17:21	591-78-6	L3	
4-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 17:21	106-43-4		
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	1		01/06/17 17:21	108-10-1		
Acetone	<5.0	ug/L	5.0	1		01/06/17 17:21	67-64-1		
Benzene	<1.0	ug/L	1.0	1		01/06/17 17:21	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		01/06/17 17:21	74-97-5	L3	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/06/17 17:21	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/06/17 17:21	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/06/17 17:21	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		01/06/17 17:21	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/06/17 17:21	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	108-90-7	L3	
Chloroethane	<1.0	ug/L	1.0	1		01/06/17 17:21	75-00-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-66		Lab ID: 708375008		Collected: 01/04/17 09:35		Received: 01/05/17 13:14		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		01/06/17 17:21	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/06/17 17:21	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/06/17 17:21	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		01/06/17 17:21	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		01/06/17 17:21	75-71-8		
Ethylbenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		01/06/17 17:21	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		01/06/17 17:21	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		01/06/17 17:21	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		01/06/17 17:21	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		01/06/17 17:21	91-20-3		
Styrene	<1.0	ug/L	1.0	1		01/06/17 17:21	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		01/06/17 17:21	127-18-4		
Toluene	<1.0	ug/L	1.0	1		01/06/17 17:21	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		01/06/17 17:21	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		01/06/17 17:21	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		01/06/17 17:21	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		01/06/17 17:21	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		01/06/17 17:21	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 17:21	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 17:21	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		01/06/17 17:21	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	104-51-8	L3	
n-Propylbenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		01/06/17 17:21	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		01/06/17 17:21	99-87-6	L3	
sec-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	135-98-8	L3	
tert-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 17:21	98-06-6	L3	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 17:21	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 17:21	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%.	68-153	1		01/06/17 17:21	17060-07-0		
4-Bromofluorobenzene (S)	100	%.	79-124	1		01/06/17 17:21	460-00-4		
Toluene-d8 (S)	89	%.	69-124	1		01/06/17 17:21	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	465	mg/L	100	50		01/12/17 12:45	16887-00-6		
Sulfate	147	mg/L	50.0	10		01/12/17 12:32	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		01/06/17 11:58	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		01/06/17 11:58	7727-37-9	H1	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		01/06/17 10:14	14797-65-0	H1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-65 MS/MSD		Lab ID: 708375009		Collected: 01/04/17 08:00		Received: 01/05/17 13:14		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							
Calcium	191000	ug/L	1000	1	01/11/17 10:30	01/18/17 00:54	7440-70-2	N3	
Hardness, Calcium	478000	ug/L	2500	1	01/11/17 10:30	01/18/17 00:54			
Hardness, Magnesium	172000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:54			
Magnesium	41900	ug/L	1000	1	01/11/17 10:30	01/18/17 00:54	7439-95-4		
Potassium	7320	ug/L	5000	1	01/11/17 10:30	01/18/17 00:54	7440-09-7		
Sodium	272000	ug/L	5000	1	01/11/17 10:30	01/18/17 00:54	7440-23-5		
Total Hardness	650000	ug/L	4100	1	01/11/17 10:30	01/18/17 00:54			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 18:04	630-20-6	M1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 18:04	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 18:04	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 18:04	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 18:04	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 18:04	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 18:04	563-58-6	L1,M0	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		01/06/17 18:04	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		01/06/17 18:04	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		01/06/17 18:04	106-93-4	M1,R1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 18:04	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 18:04	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 18:04	142-28-9	1j,L2, M0,c2	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 18:04	594-20-7		
2-Butanone (MEK)	<1.0	ug/L	1.0	1		01/06/17 18:04	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		01/06/17 18:04	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 18:04	95-49-8		
2-Hexanone	<1.0	ug/L	1.0	1		01/06/17 18:04	591-78-6	L3,M0	
4-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 18:04	106-43-4		
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	1		01/06/17 18:04	108-10-1		
Acetone	<5.0	ug/L	5.0	1		01/06/17 18:04	67-64-1		
Benzene	<1.0	ug/L	1.0	1		01/06/17 18:04	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		01/06/17 18:04	74-97-5	M1	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/06/17 18:04	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/06/17 18:04	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/06/17 18:04	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		01/06/17 18:04	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/06/17 18:04	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	108-90-7		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-65 MS/MSD		Lab ID: 708375009		Collected: 01/04/17 08:00		Received: 01/05/17 13:14		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		01/06/17 18:04	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		01/06/17 18:04	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/06/17 18:04	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/06/17 18:04	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		01/06/17 18:04	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		01/06/17 18:04	75-71-8		
Ethylbenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		01/06/17 18:04	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		01/06/17 18:04	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		01/06/17 18:04	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		01/06/17 18:04	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		01/06/17 18:04	91-20-3	R1	
Styrene	<1.0	ug/L	1.0	1		01/06/17 18:04	100-42-5		
Tetrachloroethene	198	ug/L	1.0	1		01/06/17 18:04	127-18-4		
Toluene	<1.0	ug/L	1.0	1		01/06/17 18:04	108-88-3		
Trichloroethene	125	ug/L	1.0	1		01/06/17 18:04	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		01/06/17 18:04	75-69-4	R1	
Vinyl acetate	<1.0	ug/L	1.0	1		01/06/17 18:04	108-05-4		
Vinyl chloride	117	ug/L	1.0	1		01/06/17 18:04	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		01/06/17 18:04	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 18:04	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 18:04	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		01/06/17 18:04	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	104-51-8	L3,M0	
n-Propylbenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		01/06/17 18:04	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		01/06/17 18:04	99-87-6	L3,M0	
sec-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	135-98-8	L3,M0	
tert-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 18:04	98-06-6	L3,M0	
trans-1,2-Dichloroethene	2.6	ug/L	1.0	1		01/06/17 18:04	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 18:04	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%.	68-153	1		01/06/17 18:04	17060-07-0		
4-Bromofluorobenzene (S)	102	%.	79-124	1		01/06/17 18:04	460-00-4		
Toluene-d8 (S)	97	%.	69-124	1		01/06/17 18:04	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	584	mg/L	100	50		01/12/17 14:07	16887-00-6		
Sulfate	62.3	mg/L	25.0	5		01/12/17 12:59	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.26	mg/L	0.050	1		01/06/17 12:00	14797-55-8		
Nitrate-Nitrite (as N)	0.26	mg/L	0.050	1		01/06/17 12:00	7727-37-9	H1,M1	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		01/06/17 10:15	14797-65-0	H1	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-64S		Lab ID: 708375010		Collected: 01/04/17 09:00		Received: 01/05/17 13:14		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							
Calcium	95000	ug/L	1000	1	01/11/17 10:30	01/18/17 01:20	7440-70-2	N3	
Hardness, Calcium	237000	ug/L	2500	1	01/11/17 10:30	01/18/17 01:20			
Hardness, Magnesium	53500	ug/L	4100	1	01/11/17 10:30	01/18/17 01:20			
Magnesium	13000	ug/L	1000	1	01/11/17 10:30	01/18/17 01:20	7439-95-4		
Potassium	9250	ug/L	5000	1	01/11/17 10:30	01/18/17 01:20	7440-09-7		
Sodium	30000	ug/L	5000	1	01/11/17 10:30	01/18/17 01:20	7440-23-5		
Total Hardness	291000	ug/L	4100	1	01/11/17 10:30	01/18/17 01:20			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 19:30	630-20-6	L3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 19:30	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 19:30	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 19:30	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 19:30	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 19:30	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 19:30	563-58-6	1j, L2, c2	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		01/06/17 19:30	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		01/06/17 19:30	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		01/06/17 19:30	106-93-4	L3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 19:30	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 19:30	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 19:30	142-28-9	CC, L1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 19:30	594-20-7		
2-Butanone (MEK)	<1.0	ug/L	1.0	1		01/06/17 19:30	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		01/06/17 19:30	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 19:30	95-49-8		
2-Hexanone	<1.0	ug/L	1.0	1		01/06/17 19:30	591-78-6	L3	
4-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 19:30	106-43-4		
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	1		01/06/17 19:30	108-10-1		
Acetone	<5.0	ug/L	5.0	1		01/06/17 19:30	67-64-1		
Benzene	<1.0	ug/L	1.0	1		01/06/17 19:30	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		01/06/17 19:30	74-97-5	CC, L1	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/06/17 19:30	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/06/17 19:30	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/06/17 19:30	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		01/06/17 19:30	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/06/17 19:30	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	108-90-7	L3	
Chloroethane	<1.0	ug/L	1.0	1		01/06/17 19:30	75-00-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-64S		Lab ID: 708375010		Collected: 01/04/17 09:00		Received: 01/05/17 13:14		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		01/06/17 19:30	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/06/17 19:30	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/06/17 19:30	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		01/06/17 19:30	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		01/06/17 19:30	75-71-8		
Ethylbenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		01/06/17 19:30	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		01/06/17 19:30	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		01/06/17 19:30	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		01/06/17 19:30	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		01/06/17 19:30	91-20-3		
Styrene	<1.0	ug/L	1.0	1		01/06/17 19:30	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		01/06/17 19:30	127-18-4		
Toluene	<1.0	ug/L	1.0	1		01/06/17 19:30	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		01/06/17 19:30	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		01/06/17 19:30	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		01/06/17 19:30	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		01/06/17 19:30	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		01/06/17 19:30	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 19:30	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 19:30	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		01/06/17 19:30	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	104-51-8	L3	
n-Propylbenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		01/06/17 19:30	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		01/06/17 19:30	99-87-6	L3	
sec-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	135-98-8	L3	
tert-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 19:30	98-06-6	L3	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 19:30	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 19:30	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	114	%.	68-153	1		01/06/17 19:30	17060-07-0		
4-Bromofluorobenzene (S)	101	%.	79-124	1		01/06/17 19:30	460-00-4		
Toluene-d8 (S)	98	%.	69-124	1		01/06/17 19:30	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	47.2	mg/L	2.0	1		01/11/17 20:05	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		01/11/17 20:05	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.12	mg/L	0.050	1		01/06/17 12:03	14797-55-8		
Nitrate-Nitrite (as N)	0.18	mg/L	0.050	1		01/06/17 12:03	7727-37-9	H1	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	0.063	mg/L	0.050	1		01/06/17 10:19	14797-65-0	H1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-64D		Lab ID: 708375011		Collected: 01/04/17 08:45		Received: 01/05/17 13:14		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							
Calcium	150000	ug/L	1000	1	01/11/17 10:30	01/18/17 01:25	7440-70-2	N3	
Hardness, Calcium	375000	ug/L	2500	1	01/11/17 10:30	01/18/17 01:25			
Hardness, Magnesium	70600	ug/L	4100	1	01/11/17 10:30	01/18/17 01:25			
Magnesium	17200	ug/L	1000	1	01/11/17 10:30	01/18/17 01:25	7439-95-4		
Potassium	11900	ug/L	5000	1	01/11/17 10:30	01/18/17 01:25	7440-09-7		
Sodium	75100	ug/L	5000	1	01/11/17 10:30	01/18/17 01:25	7440-23-5		
Total Hardness	445000	ug/L	4100	1	01/11/17 10:30	01/18/17 01:25			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<2.0	ug/L	2.0	2		01/08/17 16:13	630-20-6	1j,L2,c2	
1,1,1-Trichloroethane	<2.0	ug/L	2.0	2		01/08/17 16:13	71-55-6		
1,1,2,2-Tetrachloroethane	<2.0	ug/L	2.0	2		01/08/17 16:13	79-34-5		
1,1,2-Trichloroethane	<2.0	ug/L	2.0	2		01/08/17 16:13	79-00-5		
1,1-Dichloroethane	<2.0	ug/L	2.0	2		01/08/17 16:13	75-34-3		
1,1-Dichloroethene	2.5	ug/L	2.0	2		01/08/17 16:13	75-35-4		
1,1-Dichloropropene	<2.0	ug/L	2.0	2		01/08/17 16:13	563-58-6		
1,2,3-Trichlorobenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	87-61-6		
1,2,3-Trichloropropane	<2.0	ug/L	2.0	2		01/08/17 16:13	96-18-4		
1,2,4-Trichlorobenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	120-82-1		
1,2,4-Trimethylbenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	95-63-6		
1,2-Dibromo-3-chloropropane	<2.0	ug/L	2.0	2		01/08/17 16:13	96-12-8		
1,2-Dibromoethane (EDB)	<2.0	ug/L	2.0	2		01/08/17 16:13	106-93-4		
1,2-Dichlorobenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	95-50-1		
1,2-Dichloroethane	<2.0	ug/L	2.0	2		01/08/17 16:13	107-06-2		
1,2-Dichloropropane	<2.0	ug/L	2.0	2		01/08/17 16:13	78-87-5		
1,3,5-Trimethylbenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	108-67-8		
1,3-Dichlorobenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	541-73-1		
1,3-Dichloropropane	<2.0	ug/L	2.0	2		01/08/17 16:13	142-28-9		
1,4-Dichlorobenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	106-46-7		
2,2-Dichloropropane	<2.0	ug/L	2.0	2		01/08/17 16:13	594-20-7		
2-Butanone (MEK)	<2.0	ug/L	2.0	2		01/08/17 16:13	78-93-3		
2-Chloroethylvinyl ether	<2.0	ug/L	2.0	2		01/08/17 16:13	110-75-8		
2-Chlorotoluene	<2.0	ug/L	2.0	2		01/08/17 16:13	95-49-8		
2-Hexanone	<2.0	ug/L	2.0	2		01/08/17 16:13	591-78-6		
4-Chlorotoluene	<2.0	ug/L	2.0	2		01/08/17 16:13	106-43-4		
4-Methyl-2-pentanone (MIBK)	<2.0	ug/L	2.0	2		01/08/17 16:13	108-10-1		
Acetone	20.7	ug/L	10.0	2		01/08/17 16:13	67-64-1		
Benzene	<2.0	ug/L	2.0	2		01/08/17 16:13	71-43-2		
Bromobenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	108-86-1		
Bromochloromethane	<2.0	ug/L	2.0	2		01/08/17 16:13	74-97-5		
Bromodichloromethane	<2.0	ug/L	2.0	2		01/08/17 16:13	75-27-4		
Bromoform	<2.0	ug/L	2.0	2		01/08/17 16:13	75-25-2		
Bromomethane	2.4	ug/L	2.0	2		01/08/17 16:13	74-83-9		
Carbon disulfide	<2.0	ug/L	2.0	2		01/08/17 16:13	75-15-0		
Carbon tetrachloride	<2.0	ug/L	2.0	2		01/08/17 16:13	56-23-5		
Chlorobenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	108-90-7		
Chloroethane	<2.0	ug/L	2.0	2		01/08/17 16:13	75-00-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-64D		Lab ID: 708375011		Collected: 01/04/17 08:45		Received: 01/05/17 13:14		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		01/08/17 16:13	67-66-3		
Chloromethane	<2.0	ug/L	2.0	2		01/08/17 16:13	74-87-3		
Dibromochloromethane	<2.0	ug/L	2.0	2		01/08/17 16:13	124-48-1		
Dibromomethane	<2.0	ug/L	2.0	2		01/08/17 16:13	74-95-3		
Dichlorodifluoromethane	<2.0	ug/L	2.0	2		01/08/17 16:13	75-71-8		
Ethylbenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	100-41-4		
Hexachloro-1,3-butadiene	<2.0	ug/L	2.0	2		01/08/17 16:13	87-68-3		
Isopropylbenzene (Cumene)	<2.0	ug/L	2.0	2		01/08/17 16:13	98-82-8		
Methyl-tert-butyl ether	<2.0	ug/L	2.0	2		01/08/17 16:13	1634-04-4		
Methylene Chloride	<2.0	ug/L	2.0	2		01/08/17 16:13	75-09-2		
Naphthalene	<2.0	ug/L	2.0	2		01/08/17 16:13	91-20-3		
Styrene	<2.0	ug/L	2.0	2		01/08/17 16:13	100-42-5		
Tetrachloroethene	<2.0	ug/L	2.0	2		01/08/17 16:13	127-18-4		
Toluene	<2.0	ug/L	2.0	2		01/08/17 16:13	108-88-3		
Trichloroethene	57.7	ug/L	2.0	2		01/08/17 16:13	79-01-6		
Trichlorofluoromethane	<2.0	ug/L	2.0	2		01/08/17 16:13	75-69-4		
Vinyl acetate	<2.0	ug/L	2.0	2		01/08/17 16:13	108-05-4		
Vinyl chloride	21.4	ug/L	2.0	2		01/08/17 16:13	75-01-4		
Xylene (Total)	<2.0	ug/L	2.0	2		01/08/17 16:13	1330-20-7		
cis-1,2-Dichloroethene	306	ug/L	2.0	2		01/08/17 16:13	156-59-2		
cis-1,3-Dichloropropene	<2.0	ug/L	2.0	2		01/08/17 16:13	10061-01-5		
m&p-Xylene	<4.0	ug/L	4.0	2		01/08/17 16:13	179601-23-1		
n-Butylbenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	104-51-8		
n-Propylbenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	103-65-1		
o-Xylene	<2.0	ug/L	2.0	2		01/08/17 16:13	95-47-6		
p-Isopropyltoluene	<2.0	ug/L	2.0	2		01/08/17 16:13	99-87-6		
sec-Butylbenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	135-98-8		
tert-Butylbenzene	<2.0	ug/L	2.0	2		01/08/17 16:13	98-06-6		
trans-1,2-Dichloroethene	6.2	ug/L	2.0	2		01/08/17 16:13	156-60-5		
trans-1,3-Dichloropropene	<2.0	ug/L	2.0	2		01/08/17 16:13	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%.	68-153	2		01/08/17 16:13	17060-07-0		
4-Bromofluorobenzene (S)	102	%.	79-124	2		01/08/17 16:13	460-00-4		
Toluene-d8 (S)	105	%.	69-124	2		01/08/17 16:13	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	122	mg/L	10.0	5		01/12/17 14:47	16887-00-6		
Sulfate	11.4	mg/L	5.0	1		01/11/17 20:19	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.36	mg/L	0.050	1		01/06/17 12:04	14797-55-8		
Nitrate-Nitrite (as N)	0.36	mg/L	0.050	1		01/06/17 12:04	7727-37-9	H1	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		01/06/17 10:20	14797-65-0	H1	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-62		Lab ID: 708375012		Collected: 01/04/17 09:15		Received: 01/05/17 13:14		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							
Calcium	197000	ug/L	1000	1	01/11/17 10:30	01/18/17 01:40	7440-70-2		
Hardness, Calcium	491000	ug/L	2500	1	01/11/17 10:30	01/18/17 01:40			
Hardness, Magnesium	134000	ug/L	4100	1	01/11/17 10:30	01/18/17 01:40		N3	
Magnesium	32600	ug/L	1000	1	01/11/17 10:30	01/18/17 01:40	7439-95-4		
Potassium	7810	ug/L	5000	1	01/11/17 10:30	01/18/17 01:40	7440-09-7		
Sodium	338000	ug/L	5000	1	01/11/17 10:30	01/18/17 01:40	7440-23-5		
Total Hardness	626000	ug/L	4100	1	01/11/17 10:30	01/18/17 01:40			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		01/06/17 20:12	630-20-6		
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		01/06/17 20:12	71-55-6		
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		01/06/17 20:12	79-34-5		
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		01/06/17 20:12	79-00-5		
1,1-Dichloroethane	<10.0	ug/L	10.0	10		01/06/17 20:12	75-34-3		
1,1-Dichloroethene	<10.0	ug/L	10.0	10		01/06/17 20:12	75-35-4	L3	
1,1-Dichloropropene	<10.0	ug/L	10.0	10		01/06/17 20:12	563-58-6		
1,2,3-Trichlorobenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	87-61-6		
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		01/06/17 20:12	96-18-4		
1,2,4-Trichlorobenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	120-82-1		
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	95-63-6		
1,2-Dibromo-3-chloropropane	<10.0	ug/L	10.0	10		01/06/17 20:12	96-12-8		
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		01/06/17 20:12	106-93-4		
1,2-Dichlorobenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	95-50-1		
1,2-Dichloroethane	<10.0	ug/L	10.0	10		01/06/17 20:12	107-06-2		
1,2-Dichloropropane	<10.0	ug/L	10.0	10		01/06/17 20:12	78-87-5		
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	108-67-8		
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	541-73-1		
1,3-Dichloropropane	<10.0	ug/L	10.0	10		01/06/17 20:12	142-28-9		
1,4-Dichlorobenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	106-46-7		
2,2-Dichloropropane	<10.0	ug/L	10.0	10		01/06/17 20:12	594-20-7		
2-Butanone (MEK)	<10.0	ug/L	10.0	10		01/06/17 20:12	78-93-3		
2-Chloroethylvinyl ether	<10.0	ug/L	10.0	10		01/06/17 20:12	110-75-8	1j, L2, c2	
2-Chlorotoluene	<10.0	ug/L	10.0	10		01/06/17 20:12	95-49-8	L3	
2-Hexanone	<10.0	ug/L	10.0	10		01/06/17 20:12	591-78-6		
4-Chlorotoluene	<10.0	ug/L	10.0	10		01/06/17 20:12	106-43-4	L3	
4-Methyl-2-pentanone (MIBK)	<10.0	ug/L	10.0	10		01/06/17 20:12	108-10-1		
Acetone	<50.0	ug/L	50.0	10		01/06/17 20:12	67-64-1	L3	
Benzene	<10.0	ug/L	10.0	10		01/06/17 20:12	71-43-2		
Bromobenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	108-86-1		
Bromochloromethane	<10.0	ug/L	10.0	10		01/06/17 20:12	74-97-5		
Bromodichloromethane	<10.0	ug/L	10.0	10		01/06/17 20:12	75-27-4		
Bromoform	<10.0	ug/L	10.0	10		01/06/17 20:12	75-25-2		
Bromomethane	<10.0	ug/L	10.0	10		01/06/17 20:12	74-83-9		
Carbon disulfide	<10.0	ug/L	10.0	10		01/06/17 20:12	75-15-0		
Carbon tetrachloride	<10.0	ug/L	10.0	10		01/06/17 20:12	56-23-5		
Chlorobenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	108-90-7		
Chloroethane	<10.0	ug/L	10.0	10		01/06/17 20:12	75-00-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: MW-62		Lab ID: 708375012		Collected: 01/04/17 09:15		Received: 01/05/17 13:14		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		01/06/17 20:12	67-66-3		
Chloromethane	<10.0	ug/L	10.0	10		01/06/17 20:12	74-87-3		
Dibromochloromethane	<10.0	ug/L	10.0	10		01/06/17 20:12	124-48-1		
Dibromomethane	<10.0	ug/L	10.0	10		01/06/17 20:12	74-95-3		
Dichlorodifluoromethane	<10.0	ug/L	10.0	10		01/06/17 20:12	75-71-8		
Ethylbenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	100-41-4		
Hexachloro-1,3-butadiene	<10.0	ug/L	10.0	10		01/06/17 20:12	87-68-3		
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		01/06/17 20:12	98-82-8		
Methyl-tert-butyl ether	<10.0	ug/L	10.0	10		01/06/17 20:12	1634-04-4		
Methylene Chloride	<10.0	ug/L	10.0	10		01/06/17 20:12	75-09-2		
Naphthalene	<10.0	ug/L	10.0	10		01/06/17 20:12	91-20-3		
Styrene	<10.0	ug/L	10.0	10		01/06/17 20:12	100-42-5		
Tetrachloroethene	<10.0	ug/L	10.0	10		01/06/17 20:12	127-18-4		
Toluene	<10.0	ug/L	10.0	10		01/06/17 20:12	108-88-3		
Trichloroethene	<10.0	ug/L	10.0	10		01/06/17 20:12	79-01-6		
Trichlorofluoromethane	<10.0	ug/L	10.0	10		01/06/17 20:12	75-69-4		
Vinyl acetate	<10.0	ug/L	10.0	10		01/06/17 20:12	108-05-4		
Vinyl chloride	107	ug/L	10.0	10		01/06/17 20:12	75-01-4		
Xylene (Total)	<10.0	ug/L	10.0	10		01/06/17 20:12	1330-20-7		
cis-1,2-Dichloroethene	1140	ug/L	10.0	10		01/06/17 20:12	156-59-2		
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		01/06/17 20:12	10061-01-5		
m&p-Xylene	<20.0	ug/L	20.0	10		01/06/17 20:12	179601-23-1		
n-Butylbenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	104-51-8	L3	
n-Propylbenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	103-65-1		
o-Xylene	<10.0	ug/L	10.0	10		01/06/17 20:12	95-47-6		
p-Isopropyltoluene	<10.0	ug/L	10.0	10		01/06/17 20:12	99-87-6	L3	
sec-Butylbenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	135-98-8	L3	
tert-Butylbenzene	<10.0	ug/L	10.0	10		01/06/17 20:12	98-06-6	L3	
trans-1,2-Dichloroethene	66.1	ug/L	10.0	10		01/06/17 20:12	156-60-5		
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		01/06/17 20:12	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	110	%	68-153	10		01/06/17 20:12	17060-07-0		
4-Bromofluorobenzene (S)	103	%	79-124	10		01/06/17 20:12	460-00-4		
Toluene-d8 (S)	97	%	69-124	10		01/06/17 20:12	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	560	mg/L	200	100		01/12/17 15:14	16887-00-6		
Sulfate	69.3	mg/L	25.0	5		01/12/17 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		01/06/17 12:06	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		01/06/17 12:06	7727-37-9	H1	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		01/06/17 10:21	14797-65-0	H1	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: DUP-X		Lab ID: 708375013		Collected: 01/04/17 00:00		Received: 01/05/17 13:14		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							
Calcium	145000	ug/L	1000	1	01/11/17 10:30	01/18/17 01:46	7440-70-2	N3	
Hardness, Calcium	362000	ug/L	2500	1	01/11/17 10:30	01/18/17 01:46			
Hardness, Magnesium	67900	ug/L	4100	1	01/11/17 10:30	01/18/17 01:46			
Magnesium	16500	ug/L	1000	1	01/11/17 10:30	01/18/17 01:46	7439-95-4		
Potassium	12000	ug/L	5000	1	01/11/17 10:30	01/18/17 01:46	7440-09-7		
Sodium	71400	ug/L	5000	1	01/11/17 10:30	01/18/17 01:46	7440-23-5		
Total Hardness	430000	ug/L	4100	1	01/11/17 10:30	01/18/17 01:46			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<2.0	ug/L	2.0	2		01/08/17 16:35	630-20-6	1j, L2, c2 <	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: DUP-X		Lab ID: 708375013		Collected: 01/04/17 00:00		Received: 01/05/17 13:14		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		01/08/17 16:35	67-66-3		
Chloromethane	<2.0	ug/L	2.0	2		01/08/17 16:35	74-87-3		
Dibromochloromethane	<2.0	ug/L	2.0	2		01/08/17 16:35	124-48-1		
Dibromomethane	<2.0	ug/L	2.0	2		01/08/17 16:35	74-95-3		
Dichlorodifluoromethane	<2.0	ug/L	2.0	2		01/08/17 16:35	75-71-8		
Ethylbenzene	<2.0	ug/L	2.0	2		01/08/17 16:35	100-41-4		
Hexachloro-1,3-butadiene	<2.0	ug/L	2.0	2		01/08/17 16:35	87-68-3		
Isopropylbenzene (Cumene)	<2.0	ug/L	2.0	2		01/08/17 16:35	98-82-8		
Methyl-tert-butyl ether	<2.0	ug/L	2.0	2		01/08/17 16:35	1634-04-4		
Methylene Chloride	<2.0	ug/L	2.0	2		01/08/17 16:35	75-09-2		
Naphthalene	<2.0	ug/L	2.0	2		01/08/17 16:35	91-20-3		
Styrene	<2.0	ug/L	2.0	2		01/08/17 16:35	100-42-5		
Tetrachloroethene	<2.0	ug/L	2.0	2		01/08/17 16:35	127-18-4		
Toluene	<2.0	ug/L	2.0	2		01/08/17 16:35	108-88-3		
Trichloroethene	57.4	ug/L	2.0	2		01/08/17 16:35	79-01-6		
Trichlorofluoromethane	<2.0	ug/L	2.0	2		01/08/17 16:35	75-69-4		
Vinyl acetate	<2.0	ug/L	2.0	2		01/08/17 16:35	108-05-4		
Vinyl chloride	21.8	ug/L	2.0	2		01/08/17 16:35	75-01-4		
Xylene (Total)	<2.0	ug/L	2.0	2		01/08/17 16:35	1330-20-7		
cis-1,2-Dichloroethene	283	ug/L	2.0	2		01/08/17 16:35	156-59-2		
cis-1,3-Dichloropropene	<2.0	ug/L	2.0	2		01/08/17 16:35	10061-01-5		
m&p-Xylene	<4.0	ug/L	4.0	2		01/08/17 16:35	179601-23-1		
n-Butylbenzene	<2.0	ug/L	2.0	2		01/08/17 16:35	104-51-8		
n-Propylbenzene	<2.0	ug/L	2.0	2		01/08/17 16:35	103-65-1		
o-Xylene	<2.0	ug/L	2.0	2		01/08/17 16:35	95-47-6		
p-Isopropyltoluene	<2.0	ug/L	2.0	2		01/08/17 16:35	99-87-6		
sec-Butylbenzene	<2.0	ug/L	2.0	2		01/08/17 16:35	135-98-8		
tert-Butylbenzene	<2.0	ug/L	2.0	2		01/08/17 16:35	98-06-6		
trans-1,2-Dichloroethene	5.8	ug/L	2.0	2		01/08/17 16:35	156-60-5		
trans-1,3-Dichloropropene	<2.0	ug/L	2.0	2		01/08/17 16:35	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%.	68-153	2		01/08/17 16:35	17060-07-0		
4-Bromofluorobenzene (S)	95	%.	79-124	2		01/08/17 16:35	460-00-4		
Toluene-d8 (S)	98	%.	69-124	2		01/08/17 16:35	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	141	mg/L	10.0	5		01/12/17 15:27	16887-00-6		
Sulfate	13.6	mg/L	5.0	1		01/11/17 20:46	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		01/06/17 12:07	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		01/06/17 12:07	7727-37-9	H1	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		01/06/17 10:22	14797-65-0	H1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: TRIP BLANK		Lab ID: 708375014		Collected: 01/04/17 00:00		Received: 01/05/17 13:14		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		01/06/17 12:42	630-20-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 12:42	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/06/17 12:42	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/06/17 12:42	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 12:42	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 12:42	75-35-4	L3	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 12:42	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		01/06/17 12:42	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		01/06/17 12:42	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		01/06/17 12:42	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/06/17 12:42	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 12:42	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 12:42	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		01/06/17 12:42	594-20-7		
2-Butanone (MEK)	<1.0	ug/L	1.0	1		01/06/17 12:42	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		01/06/17 12:42	110-75-8	1j, L2, c2	
2-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 12:42	95-49-8	L3	
2-Hexanone	<1.0	ug/L	1.0	1		01/06/17 12:42	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		01/06/17 12:42	106-43-4	L3	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	1		01/06/17 12:42	108-10-1		
Acetone	<5.0	ug/L	5.0	1		01/06/17 12:42	67-64-1	CC, L1	
Benzene	<1.0	ug/L	1.0	1		01/06/17 12:42	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		01/06/17 12:42	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		01/06/17 12:42	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/06/17 12:42	75-25-2		
Bromomethane	1.5	ug/L	1.0	1		01/06/17 12:42	74-83-9	B, CC	
Carbon disulfide	<1.0	ug/L	1.0	1		01/06/17 12:42	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/06/17 12:42	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		01/06/17 12:42	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		01/06/17 12:42	67-66-3		
Chloromethane	1.1	ug/L	1.0	1		01/06/17 12:42	74-87-3	CC	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/06/17 12:42	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		01/06/17 12:42	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		01/06/17 12:42	75-71-8		
Ethylbenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		01/06/17 12:42	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		01/06/17 12:42	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		01/06/17 12:42	1634-04-4		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Sample: TRIP BLANK		Lab ID: 708375014		Collected: 01/04/17 00:00		Received: 01/05/17 13:14		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Methylene Chloride	<1.0	ug/L	1.0	1		01/06/17 12:42	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		01/06/17 12:42	91-20-3		
Styrene	<1.0	ug/L	1.0	1		01/06/17 12:42	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		01/06/17 12:42	127-18-4		
Toluene	<1.0	ug/L	1.0	1		01/06/17 12:42	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		01/06/17 12:42	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		01/06/17 12:42	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		01/06/17 12:42	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		01/06/17 12:42	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		01/06/17 12:42	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 12:42	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 12:42	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		01/06/17 12:42	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	104-51-8	L3	
n-Propylbenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		01/06/17 12:42	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		01/06/17 12:42	99-87-6	L3	
sec-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	135-98-8	L3	
tert-Butylbenzene	<1.0	ug/L	1.0	1		01/06/17 12:42	98-06-6	L3	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/06/17 12:42	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/06/17 12:42	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	108	%.	68-153	1		01/06/17 12:42	17060-07-0		
4-Bromofluorobenzene (S)	90	%.	79-124	1		01/06/17 12:42	460-00-4		
Toluene-d8 (S)	98	%.	69-124	1		01/06/17 12:42	2037-26-5		

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

QC Batch:	9941	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
Associated Lab Samples:	708375001, 708375002, 708375003, 708375004, 708375005, 708375006, 708375007, 708375008, 708375009, 708375010, 708375011, 708375012, 708375013		

METHOD BLANK:	52376	Matrix:	Water
Associated Lab Samples:	708375001, 708375002, 708375003, 708375004, 708375005, 708375006, 708375007, 708375008, 708375009, 708375010, 708375011, 708375012, 708375013		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium	ug/L	<1000	1000	01/17/17 23:36	
Hardness, Calcium	ug/L	<2500	2500	01/17/17 23:36	
Hardness, Magnesium	ug/L	<4100	4100	01/17/17 23:36	N3
Magnesium	ug/L	<1000	1000	01/17/17 23:36	
Potassium	ug/L	<5000	5000	01/17/17 23:36	
Sodium	ug/L	<5000	5000	01/17/17 23:36	
Total Hardness	ug/L	<4100	4100	01/17/17 23:36	

LABORATORY CONTROL SAMPLE: 52377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	25000	25300	101	85-115	
Hardness, Calcium	ug/L		63200			
Hardness, Magnesium	ug/L		104000			N3
Magnesium	ug/L	25000	25300	101	85-115	
Potassium	ug/L	50000	49400	99	85-115	
Sodium	ug/L	50000	51700	103	85-115	
Total Hardness	ug/L		167000			

MATRIX SPIKE SAMPLE: 52379

Parameter	Units	708375001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	46200	25000	69900	95	70-130	
Hardness, Calcium	ug/L	115000		175000			
Hardness, Magnesium	ug/L	18300		123000			N3
Magnesium	ug/L	4440	25000	29800	102	70-130	
Potassium	ug/L	5710	50000	56300	101	70-130	
Sodium	ug/L	212000	50000	256000	89	70-130	
Total Hardness	ug/L	134000		297000			

MATRIX SPIKE SAMPLE: 52381

Parameter	Units	708375009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	191000	25000	210000	73	70-130	
Hardness, Calcium	ug/L	478000		523000			

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

MATRIX SPIKE SAMPLE: 52381		708375009	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Hardness, Magnesium	ug/L	172000		270000			N3
Magnesium	ug/L	41900	25000	65700	95	70-130	
Potassium	ug/L	7320	50000	57500	100	70-130	
Sodium	ug/L	272000	50000	317000	90	70-130	
Total Hardness	ug/L	650000		794000			

SAMPLE DUPLICATE: 52378

		708375001	Dup			
Parameter	Units	Result	Result	RPD	Qualifiers	
Calcium	ug/L	46200	44500	4		
Hardness, Calcium	ug/L	115000	111000	4		
Hardness, Magnesium	ug/L	18300	17700	4	N3	
Magnesium	ug/L	4440	4290	4		
Potassium	ug/L	5710	5810	2		
Sodium	ug/L	212000	204000	4		
Total Hardness	ug/L	134000	129000	4		

SAMPLE DUPLICATE: 52380

		708375009	Dup			
Parameter	Units	Result	Result	RPD	Qualifiers	
Calcium	ug/L	191000	193000	1		
Hardness, Calcium	ug/L	478000	481000	1		
Hardness, Magnesium	ug/L	172000	173000	0	N3	
Magnesium	ug/L	41900	42000	0		
Potassium	ug/L	7320	7330	0		
Sodium	ug/L	272000	274000	1		
Total Hardness	ug/L	650000	654000	1		

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

QC Batch:	9446	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	708375001, 708375002, 708375003, 708375004, 708375005, 708375006, 708375007, 708375008, 708375009, 708375010, 708375012, 708375014		

METHOD BLANK:	49971	Matrix:	Water
Associated Lab Samples:	708375001, 708375002, 708375003, 708375004, 708375005, 708375006, 708375007, 708375008, 708375009, 708375010, 708375012, 708375014		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	01/06/17 11:09	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/06/17 11:09	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/06/17 11:09	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/06/17 11:09	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/06/17 11:09	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/06/17 11:09	
1,1-Dichloropropene	ug/L	<1.0	1.0	01/06/17 11:09	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	01/06/17 11:09	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	01/06/17 11:09	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	01/06/17 11:09	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	01/06/17 11:09	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	01/06/17 11:09	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	01/06/17 11:09	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	01/06/17 11:09	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/06/17 11:09	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/06/17 11:09	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	01/06/17 11:09	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	01/06/17 11:09	
1,3-Dichloropropane	ug/L	<1.0	1.0	01/06/17 11:09	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	01/06/17 11:09	
2,2-Dichloropropane	ug/L	<1.0	1.0	01/06/17 11:09	
2-Butanone (MEK)	ug/L	<1.0	1.0	01/06/17 11:09	
2-Chloroethylvinyl ether	ug/L	<1.0	1.0	01/06/17 11:09	
2-Chlorotoluene	ug/L	<1.0	1.0	01/06/17 11:09	
2-Hexanone	ug/L	<1.0	1.0	01/06/17 11:09	
4-Chlorotoluene	ug/L	<1.0	1.0	01/06/17 11:09	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.0	1.0	01/06/17 11:09	
Acetone	ug/L	<5.0	5.0	01/06/17 11:09	
Benzene	ug/L	<1.0	1.0	01/06/17 11:09	
Bromobenzene	ug/L	<1.0	1.0	01/06/17 11:09	
Bromochloromethane	ug/L	<1.0	1.0	01/06/17 11:09	
Bromodichloromethane	ug/L	<1.0	1.0	01/06/17 11:09	
Bromoform	ug/L	<1.0	1.0	01/06/17 11:09	
Bromomethane	ug/L	2.0	1.0	01/06/17 11:09	
Carbon disulfide	ug/L	<1.0	1.0	01/06/17 11:09	
Carbon tetrachloride	ug/L	<1.0	1.0	01/06/17 11:09	
Chlorobenzene	ug/L	<1.0	1.0	01/06/17 11:09	
Chloroethane	ug/L	<1.0	1.0	01/06/17 11:09	
Chloroform	ug/L	<1.0	1.0	01/06/17 11:09	
Chloromethane	ug/L	<1.0	1.0	01/06/17 11:09	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

METHOD BLANK: 49971

Matrix: Water

Associated Lab Samples: 708375001, 708375002, 708375003, 708375004, 708375005, 708375006, 708375007, 708375008, 708375009, 708375010, 708375012, 708375014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	01/06/17 11:09	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/06/17 11:09	
Dibromochloromethane	ug/L	<1.0	1.0	01/06/17 11:09	
Dibromomethane	ug/L	<1.0	1.0	01/06/17 11:09	
Dichlorodifluoromethane	ug/L	<1.0	1.0	01/06/17 11:09	
Ethylbenzene	ug/L	<1.0	1.0	01/06/17 11:09	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	01/06/17 11:09	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	01/06/17 11:09	
m&p-Xylene	ug/L	<2.0	2.0	01/06/17 11:09	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	01/06/17 11:09	
Methylene Chloride	ug/L	<1.0	1.0	01/06/17 11:09	
n-Butylbenzene	ug/L	<1.0	1.0	01/06/17 11:09	
n-Propylbenzene	ug/L	<1.0	1.0	01/06/17 11:09	
Naphthalene	ug/L	<1.0	1.0	01/06/17 11:09	
o-Xylene	ug/L	<1.0	1.0	01/06/17 11:09	
p-Isopropyltoluene	ug/L	<1.0	1.0	01/06/17 11:09	
sec-Butylbenzene	ug/L	<1.0	1.0	01/06/17 11:09	
Styrene	ug/L	<1.0	1.0	01/06/17 11:09	
tert-Butylbenzene	ug/L	<1.0	1.0	01/06/17 11:09	
Tetrachloroethene	ug/L	<1.0	1.0	01/06/17 11:09	
Toluene	ug/L	<1.0	1.0	01/06/17 11:09	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	01/06/17 11:09	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/06/17 11:09	
Trichloroethene	ug/L	<1.0	1.0	01/06/17 11:09	
Trichlorofluoromethane	ug/L	<1.0	1.0	01/06/17 11:09	
Vinyl acetate	ug/L	<1.0	1.0	01/06/17 11:09	
Vinyl chloride	ug/L	<1.0	1.0	01/06/17 11:09	
Xylene (Total)	ug/L	<1.0	1.0	01/06/17 11:09	
1,2-Dichloroethane-d4 (S)	%	109	68-153	01/06/17 11:09	
4-Bromofluorobenzene (S)	%	99	79-124	01/06/17 11:09	
Toluene-d8 (S)	%	96	69-124	01/06/17 11:09	

LABORATORY CONTROL SAMPLE: 49972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.5	97	74-113	
1,1,1-Trichloroethane	ug/L	50	50.6	101	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	51.8	104	74-121	
1,1,2-Trichloroethane	ug/L	50	57.5	115	80-117	
1,1-Dichloroethane	ug/L	50	51.8	104	83-151	
1,1-Dichloroethene	ug/L	50	73.9	148	45-146 L0	
1,1-Dichloropropene	ug/L	50	53.6	107	59-127	
1,2,3-Trichlorobenzene	ug/L	50	42.4	85	67-103	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

LABORATORY CONTROL SAMPLE: 49972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	52.0	104	71-123	
1,2,4-Trichlorobenzene	ug/L	50	47.2	94	66-116	
1,2,4-Trimethylbenzene	ug/L	50	53.4	107	68-116	
1,2-Dibromo-3-chloropropane	ug/L	50	47.0	94	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	55.5	111	83-115	
1,2-Dichlorobenzene	ug/L	50	52.0	104	74-113	
1,2-Dichloroethane	ug/L	50	52.3	105	74-129	
1,2-Dichloropropane	ug/L	50	50.2	100	75-117	
1,3,5-Trimethylbenzene	ug/L	50	53.3	107	67-116	
1,3-Dichlorobenzene	ug/L	50	52.0	104	71-112	
1,3-Dichloropropane	ug/L	50	55.0	110	74-112	
1,4-Dichlorobenzene	ug/L	50	50.9	102	71-113	
2,2-Dichloropropane	ug/L	50	33.5	67	63-133	
2-Butanone (MEK)	ug/L	50	60.3	121	44-162	
2-Chloroethylvinyl ether	ug/L	50	<1.0	0	76-121	L0
2-Chlorotoluene	ug/L	50	52.3	105	74-101	L0
2-Hexanone	ug/L	50	61.6	123	32-183	
4-Chlorotoluene	ug/L	50	52.7	105	74-101	L0
4-Methyl-2-pentanone (MIBK)	ug/L	50	66.0	132	69-132	
Acetone	ug/L	50	119	237	23-188	L0
Benzene	ug/L	50	50.1	100	73-119	
Bromobenzene	ug/L	50	50.7	101	72-102	
Bromochloromethane	ug/L	50	44.0	88	81-116	
Bromodichloromethane	ug/L	50	51.1	102	78-117	
Bromoform	ug/L	50	39.6	79	65-122	
Bromomethane	ug/L	50	28.3	57	52-147	
Carbon disulfide	ug/L	50	61.6	123	41-144	
Carbon tetrachloride	ug/L	50	40.6	81	59-120	
Chlorobenzene	ug/L	50	51.6	103	75-113	
Chloroethane	ug/L	50	47.3	95	49-151	
Chloroform	ug/L	50	54.8	110	72-122	
Chloromethane	ug/L	50	32.3	65	46-144	
cis-1,2-Dichloroethene	ug/L	50	54.4	109	72-121	
cis-1,3-Dichloropropene	ug/L	50	53.2	106	78-116	
Dibromochloromethane	ug/L	50	49.5	99	70-120	
Dibromomethane	ug/L	50	51.8	104	75-125	
Dichlorodifluoromethane	ug/L	50	18.7	37	22-154	
Ethylbenzene	ug/L	50	52.5	105	70-113	
Hexachloro-1,3-butadiene	ug/L	50	45.0	90	59-121	
Isopropylbenzene (Cumene)	ug/L	50	54.7	109	67-115	
m&p-Xylene	ug/L	100	102	102	72-115	
Methyl-tert-butyl ether	ug/L	50	44.5	89	72-131	
Methylene Chloride	ug/L	50	53.8	108	61-142	
n-Butylbenzene	ug/L	50	55.0	110	73-107	L0
n-Propylbenzene	ug/L	50	54.0	108	68-116	
Naphthalene	ug/L	50	44.6	89	70-118	
o-Xylene	ug/L	50	51.3	103	73-117	

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

LABORATORY CONTROL SAMPLE: 49972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	50	54.8	110	73-101	L0
sec-Butylbenzene	ug/L	50	55.7	111	72-103	L0
Styrene	ug/L	50	52.0	104	72-118	
tert-Butylbenzene	ug/L	50	53.4	107	68-100	L0
Tetrachloroethene	ug/L	50	51.0	102	60-128	
Toluene	ug/L	50	55.9	112	72-119	
trans-1,2-Dichloroethene	ug/L	50	54.1	108	56-142	
trans-1,3-Dichloropropene	ug/L	50	53.6	107	79-116	
Trichloroethene	ug/L	50	56.2	112	69-117	
Trichlorofluoromethane	ug/L	50	58.5	117	27-173	
Vinyl acetate	ug/L	50	61.4	123	20-158	
Vinyl chloride	ug/L	50	42.4	85	43-143	
Xylene (Total)	ug/L	150	153	102	71-109	
1,2-Dichloroethane-d4 (S)	%			96	68-153	
4-Bromofluorobenzene (S)	%			103	79-124	
Toluene-d8 (S)	%			105	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 52244

52245

Parameter	Units	708375009 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	41.6	43.3	83	87	74-113	4	
1,1,1-Trichloroethane	ug/L	<1.0	50	50	44.2	50.4	88	101	65-118	13	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	47.5	50.2	95	100	74-121	6	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	59.6	56.2	119	112	80-117	6	M1
1,1-Dichloroethane	ug/L	<1.0	50	50	49.9	52.3	100	105	83-151	5	
1,1-Dichloroethene	ug/L	<1.0	50	50	81.6	77.0	161	152	45-146	6	M0
1,1-Dichloropropene	ug/L	<1.0	50	50	53.5	53.8	107	108	59-127	1	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	35.7	40.2	71	80	67-103	12	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	46.9	49.6	94	99	71-123	5	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	40.6	44.0	81	88	66-116	8	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50	53.0	50.5	106	101	68-116	5	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	38.4	41.6	77	83	74-119	8	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	49.7	50.7	99	101	83-115	2	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	48.6	49.8	97	100	74-113	2	
1,2-Dichloroethane	ug/L	<1.0	50	50	49.5	52.5	99	105	74-129	6	
1,2-Dichloropropane	ug/L	<1.0	50	50	48.0	52.1	96	104	75-117	8	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50	49.8	51.3	100	103	67-116	3	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	47.8	49.5	96	99	71-112	3	
1,3-Dichloropropane	ug/L	<1.0	50	50	53.0	50.0	106	100	74-112	6	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	47.7	48.7	95	97	71-113	2	
2,2-Dichloropropane	ug/L	<1.0	50	50	18.4	34.3	37	69	63-133	60	M1,R1
2-Butanone (MEK)	ug/L	<1.0	50	50	49.0	54.7	98	109	44-162	11	
2-Chloroethylvinyl ether	ug/L	<1.0	50	50	<1.0	<1.0	0	0	76-121		CC,M0
2-Chlorotoluene	ug/L	<1.0	50	50	45.4	50.8	91	102	74-101	11	M0

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 52244 52245											
Parameter	Units	708375009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2-Hexanone	ug/L	<1.0	50	50	57.6	57.2	115	114	32-183	1	CC
4-Chlorotoluene	ug/L	<1.0	50	50	48.5	51.2	97	102	74-101	5	M0
4-Methyl-2-pentanone (MIBK)	ug/L	<1.0	50	50	59.7	64.6	119	129	69-132	8	CC
Acetone	ug/L	<5.0	50	50	138	115	275	231	23-188	18	CC,M0
Benzene	ug/L	<1.0	50	50	48.1	47.5	96	95	73-119	1	
Bromobenzene	ug/L	<1.0	50	50	45.4	47.7	91	95	72-102	5	
Bromochloromethane	ug/L	<1.0	50	50	37.9	44.8	76	90	81-116	17	M1
Bromodichloromethane	ug/L	<1.0	50	50	44.2	48.7	88	97	78-117	10	
Bromoform	ug/L	<1.0	50	50	31.2	33.1	62	66	65-122	6	CC,M1
Bromomethane	ug/L	<1.0	50	50	24.2	40.1	48	80	52-147	49	CC,M1,R1
Carbon disulfide	ug/L	<1.0	50	50	68.0	64.4	136	129	41-144	5	CC
Carbon tetrachloride	ug/L	<1.0	50	50	36.3	40.9	73	82	59-120	12	
Chlorobenzene	ug/L	<1.0	50	50	48.6	48.3	97	97	75-113	1	
Chloroethane	ug/L	<1.0	50	50	55.3	57.3	111	115	49-151	3	
Chloroform	ug/L	<1.0	50	50	46.6	52.4	93	105	72-122	12	
Chloromethane	ug/L	<1.0	50	50	48.1	51.2	96	102	46-144	6	CC
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	347	382	693	764	72-121	10	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	45.9	49.0	92	98	78-116	6	
Dibromochloromethane	ug/L	<1.0	50	50	39.3	42.4	79	85	70-120	8	
Dibromomethane	ug/L	<1.0	50	50	46.7	51.3	93	103	75-125	10	
Dichlorodifluoromethane	ug/L	<1.0	50	50	43.6	45.9	87	92	22-154	5	CC
Ethylbenzene	ug/L	<1.0	50	50	50.5	48.4	101	97	70-113	4	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	38.9	40.9	78	82	59-121	5	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	49.9	51.4	100	103	67-115	3	
m&p-Xylene	ug/L	<2.0	100	100	111	104	111	104	72-115	6	
Methyl-tert-butyl ether	ug/L	<1.0	50	50	38.6	42.1	77	84	72-131	9	
Methylene Chloride	ug/L	<1.0	50	50	55.0	52.5	110	105	61-142	5	
n-Butylbenzene	ug/L	<1.0	50	50	54.2	57.2	108	114	73-107	5	M0
n-Propylbenzene	ug/L	<1.0	50	50	50.4	53.3	101	107	68-116	6	
Naphthalene	ug/L	<1.0	50	50	36.4	47.8	73	96	70-118	27	R1
o-Xylene	ug/L	<1.0	50	50	50.3	50.7	101	101	73-117	1	
p-Isopropyltoluene	ug/L	<1.0	50	50	53.6	53.1	107	106	73-101	1	M0
sec-Butylbenzene	ug/L	<1.0	50	50	55.0	53.0	110	106	72-103	4	M0
Styrene	ug/L	<1.0	50	50	52.3	52.4	105	105	72-118	0	
tert-Butylbenzene	ug/L	<1.0	50	50	51.4	50.5	103	101	68-100	2	M0
Tetrachloroethene	ug/L	198	50	50	239	237	82	77	60-128	1	
Toluene	ug/L	<1.0	50	50	49.1	52.3	98	105	72-119	6	
trans-1,2-Dichloroethene	ug/L	2.6	50	50	60.1	56.8	115	108	56-142	6	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	43.0	49.0	86	98	79-116	13	CC
Trichloroethene	ug/L	125	50	50	177	177	104	105	69-117	0	
Trichlorofluoromethane	ug/L	<1.0	50	50	70.7	55.1	141	110	27-173	25	R1
Vinyl acetate	ug/L	<1.0	50	50	50.4	54.5	101	109	20-158	8	
Vinyl chloride	ug/L	117	50	50	168	179	100	124	43-143	7	
Xylene (Total)	ug/L	<1.0	150	150	161	155	107	103	71-109	4	
1,2-Dichloroethane-d4 (S)	%						100	97	68-153		
4-Bromofluorobenzene (S)	%						114	105	79-124		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 52244 52245											
Parameter	Units	708375009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Toluene-d8 (S)	%.						101	100	69-124		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

QC Batch: 9618

Analysis Method: EPA 8260C/5030C

QC Batch Method: EPA 8260C/5030C

Analysis Description: 8260 MSV

Associated Lab Samples: 708375011, 708375013

METHOD BLANK: 51085

Matrix: Water

Associated Lab Samples: 708375011, 708375013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	01/08/17 14:46	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/08/17 14:46	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/08/17 14:46	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/08/17 14:46	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/08/17 14:46	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/08/17 14:46	
1,1-Dichloropropene	ug/L	<1.0	1.0	01/08/17 14:46	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	01/08/17 14:46	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	01/08/17 14:46	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	01/08/17 14:46	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	01/08/17 14:46	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	01/08/17 14:46	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	01/08/17 14:46	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	01/08/17 14:46	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/08/17 14:46	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/08/17 14:46	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	01/08/17 14:46	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	01/08/17 14:46	
1,3-Dichloropropane	ug/L	<1.0	1.0	01/08/17 14:46	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	01/08/17 14:46	
2,2-Dichloropropane	ug/L	<1.0	1.0	01/08/17 14:46	
2-Butanone (MEK)	ug/L	<1.0	1.0	01/08/17 14:46	
2-Chloroethylvinyl ether	ug/L	<1.0	1.0	01/08/17 14:46	
2-Chlorotoluene	ug/L	<1.0	1.0	01/08/17 14:46	
2-Hexanone	ug/L	<1.0	1.0	01/08/17 14:46	
4-Chlorotoluene	ug/L	<1.0	1.0	01/08/17 14:46	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.0	1.0	01/08/17 14:46	
Acetone	ug/L	<5.0	5.0	01/08/17 14:46	
Benzene	ug/L	<1.0	1.0	01/08/17 14:46	
Bromobenzene	ug/L	<1.0	1.0	01/08/17 14:46	
Bromochloromethane	ug/L	<1.0	1.0	01/08/17 14:46	
Bromodichloromethane	ug/L	<1.0	1.0	01/08/17 14:46	
Bromoform	ug/L	<1.0	1.0	01/08/17 14:46	
Bromomethane	ug/L	1.4	1.0	01/08/17 14:46	
Carbon disulfide	ug/L	<1.0	1.0	01/08/17 14:46	
Carbon tetrachloride	ug/L	<1.0	1.0	01/08/17 14:46	
Chlorobenzene	ug/L	<1.0	1.0	01/08/17 14:46	
Chloroethane	ug/L	<1.0	1.0	01/08/17 14:46	
Chloroform	ug/L	<1.0	1.0	01/08/17 14:46	
Chloromethane	ug/L	<1.0	1.0	01/08/17 14:46	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	01/08/17 14:46	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

METHOD BLANK: 51085

Matrix: Water

Associated Lab Samples: 708375011, 708375013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/08/17 14:46	
Dibromochloromethane	ug/L	<1.0	1.0	01/08/17 14:46	
Dibromomethane	ug/L	<1.0	1.0	01/08/17 14:46	
Dichlorodifluoromethane	ug/L	<1.0	1.0	01/08/17 14:46	
Ethylbenzene	ug/L	<1.0	1.0	01/08/17 14:46	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	01/08/17 14:46	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	01/08/17 14:46	
m&p-Xylene	ug/L	<2.0	2.0	01/08/17 14:46	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	01/08/17 14:46	
Methylene Chloride	ug/L	<1.0	1.0	01/08/17 14:46	
n-Butylbenzene	ug/L	<1.0	1.0	01/08/17 14:46	
n-Propylbenzene	ug/L	<1.0	1.0	01/08/17 14:46	
Naphthalene	ug/L	<1.0	1.0	01/08/17 14:46	
o-Xylene	ug/L	<1.0	1.0	01/08/17 14:46	
p-Isopropyltoluene	ug/L	<1.0	1.0	01/08/17 14:46	
sec-Butylbenzene	ug/L	<1.0	1.0	01/08/17 14:46	
Styrene	ug/L	<1.0	1.0	01/08/17 14:46	
tert-Butylbenzene	ug/L	<1.0	1.0	01/08/17 14:46	
Tetrachloroethene	ug/L	<1.0	1.0	01/08/17 14:46	
Toluene	ug/L	<1.0	1.0	01/08/17 14:46	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	01/08/17 14:46	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/08/17 14:46	
Trichloroethene	ug/L	<1.0	1.0	01/08/17 14:46	
Trichlorofluoromethane	ug/L	<1.0	1.0	01/08/17 14:46	
Vinyl acetate	ug/L	<1.0	1.0	01/08/17 14:46	
Vinyl chloride	ug/L	<1.0	1.0	01/08/17 14:46	
Xylene (Total)	ug/L	<1.0	1.0	01/08/17 14:46	
1,2-Dichloroethane-d4 (S)	%	108	68-153	01/08/17 14:46	
4-Bromofluorobenzene (S)	%	105	79-124	01/08/17 14:46	
Toluene-d8 (S)	%	108	69-124	01/08/17 14:46	

LABORATORY CONTROL SAMPLE: 51086

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	49.8	100	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	56.8	114	74-121	
1,1,2-Trichloroethane	ug/L	50	53.1	106	80-117	
1,1-Dichloroethane	ug/L	50	49.3	99	83-151	
1,1-Dichloroethene	ug/L	50	65.4	131	45-146	
1,1-Dichloropropene	ug/L	50	48.2	96	59-127	
1,2,3-Trichlorobenzene	ug/L	50	38.8	78	67-103	
1,2,3-Trichloropropane	ug/L	50	55.3	111	71-123	
1,2,4-Trichlorobenzene	ug/L	50	43.6	87	66-116	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

LABORATORY CONTROL SAMPLE: 51086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	45.6	91	68-116	
1,2-Dibromo-3-chloropropane	ug/L	50	42.3	85	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	83-115	
1,2-Dichlorobenzene	ug/L	50	46.2	92	74-113	
1,2-Dichloroethane	ug/L	50	49.7	99	74-129	
1,2-Dichloropropane	ug/L	50	51.4	103	75-117	
1,3,5-Trimethylbenzene	ug/L	50	48.6	97	67-116	
1,3-Dichlorobenzene	ug/L	50	45.6	91	71-112	
1,3-Dichloropropane	ug/L	50	50.5	101	74-112	
1,4-Dichlorobenzene	ug/L	50	45.3	91	71-113	
2,2-Dichloropropane	ug/L	50	34.0	68	63-133	
2-Butanone (MEK)	ug/L	50	57.0	114	44-162	CC
2-Chloroethylvinyl ether	ug/L	50	1.0	2	76-121	1j, CC, L0
2-Chlorotoluene	ug/L	50	49.4	99	74-101	
2-Hexanone	ug/L	50	58.5	117	32-183	CC
4-Chlorotoluene	ug/L	50	48.9	98	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	74.2	148	69-132	L0
Acetone	ug/L	50	111	222	23-188	L0
Benzene	ug/L	50	45.9	92	73-119	
Bromobenzene	ug/L	50	49.0	98	72-102	
Bromochloromethane	ug/L	50	41.5	83	81-116	
Bromodichloromethane	ug/L	50	55.7	111	78-117	
Bromoform	ug/L	50	41.1	82	65-122	
Bromomethane	ug/L	50	31.8	64	52-147	
Carbon disulfide	ug/L	50	50.6	101	41-144	
Carbon tetrachloride	ug/L	50	41.1	82	59-120	
Chlorobenzene	ug/L	50	47.0	94	75-113	
Chloroethane	ug/L	50	48.6	97	49-151	
Chloroform	ug/L	50	47.5	95	72-122	
Chloromethane	ug/L	50	41.8	84	46-144	
cis-1,2-Dichloroethene	ug/L	50	51.2	102	72-121	
cis-1,3-Dichloropropene	ug/L	50	56.1	112	78-116	
Dibromochloromethane	ug/L	50	45.3	91	70-120	
Dibromomethane	ug/L	50	60.5	121	75-125	
Dichlorodifluoromethane	ug/L	50	31.9	64	22-154	CC
Ethylbenzene	ug/L	50	46.2	92	70-113	
Hexachloro-1,3-butadiene	ug/L	50	37.9	76	59-121	
Isopropylbenzene (Cumene)	ug/L	50	46.6	93	67-115	
m&p-Xylene	ug/L	100	95.5	96	72-115	
Methyl-tert-butyl ether	ug/L	50	43.2	86	72-131	
Methylene Chloride	ug/L	50	48.1	96	61-142	
n-Butylbenzene	ug/L	50	44.8	90	73-107	
n-Propylbenzene	ug/L	50	52.5	105	68-116	
Naphthalene	ug/L	50	44.3	89	70-118	
o-Xylene	ug/L	50	48.0	96	73-117	
p-Isopropyltoluene	ug/L	50	45.1	90	73-101	
sec-Butylbenzene	ug/L	50	44.6	89	72-103	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

LABORATORY CONTROL SAMPLE: 51086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/L	50	52.0	104	72-118	CC
tert-Butylbenzene	ug/L	50	44.5	89	68-100	
Tetrachloroethene	ug/L	50	46.7	93	60-128	
Toluene	ug/L	50	53.1	106	72-119	
trans-1,2-Dichloroethene	ug/L	50	47.7	95	56-142	
trans-1,3-Dichloropropene	ug/L	50	53.1	106	79-116	
Trichloroethene	ug/L	50	51.4	103	69-117	
Trichlorofluoromethane	ug/L	50	47.7	95	27-173	
Vinyl acetate	ug/L	50	57.4	115	20-158	
Vinyl chloride	ug/L	50	45.8	92	43-143	
Xylene (Total)	ug/L	150	144	96	71-109	
1,2-Dichloroethane-d4 (S)	%			100	68-153	
4-Bromofluorobenzene (S)	%			114	79-124	
Toluene-d8 (S)	%			111	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 52147 52148

Parameter	Units	708559046 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	34.9	33.6	70	67	74-113	4	M1
1,1,1-Trichloroethane	ug/L	<1.0	50	50	43.1	37.1	86	74	65-118	15	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	39.0	38.8	78	78	74-121	0	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	48.8	42.1	98	84	80-117	15	
1,1-Dichloroethane	ug/L	<1.0	50	50	40.9	40.4	82	81	83-151	1	M1
1,1-Dichloroethene	ug/L	<1.0	50	50	62.5	61.3	125	123	45-146	2	
1,1-Dichloropropene	ug/L	<1.0	50	50	48.5	40.9	97	82	59-127	17	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	31.3	32.6	63	65	67-103	4	M1
1,2,3-Trichloropropane	ug/L	<1.0	50	50	40.9	39.6	82	79	71-123	3	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	36.0	35.4	72	71	66-116	2	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50	42.9	42.1	86	84	68-116	2	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	35.1	37.9	70	76	74-119	8	M1
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	45.3	41.2	91	82	83-115	9	M1
1,2-Dichlorobenzene	ug/L	<1.0	50	50	43.7	40.9	87	82	74-113	7	
1,2-Dichloroethane	ug/L	<1.0	50	50	40.4	42.6	81	85	74-129	5	
1,2-Dichloropropane	ug/L	<1.0	50	50	39.9	38.2	80	76	75-117	4	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50	42.8	40.2	86	80	67-116	6	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	41.5	41.4	83	83	71-112	0	
1,3-Dichloropropane	ug/L	<1.0	50	50	47.3	42.5	95	85	74-112	11	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	43.6	41.2	87	82	71-113	6	
2,2-Dichloropropane	ug/L	<1.0	50	50	20.0	17.5	40	35	63-133	13	M1
2-Butanone (MEK)	ug/L	<1.0	50	50	45.9	44.2	92	88	44-162	4	CC
2-Chloroethylvinyl ether	ug/L	<1.0	50	50	<1.0	<1.0	0	0	76-121		CC,M0
2-Chlorotoluene	ug/L	<1.0	50	50	40.9	38.7	82	77	74-101	6	
2-Hexanone	ug/L	<1.0	50	50	51.3	48.3	103	97	32-183	6	CC
4-Chlorotoluene	ug/L	<1.0	50	50	42.3	39.9	85	80	74-101	6	

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 52147 52148											
Parameter	Units	708559046 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Methyl-2-pentanone (MIBK)	ug/L	<1.0	50	50	53.9	50.9	108	102	69-132	6	
Acetone	ug/L	<5.0	50	50	110	106	216	207	23-188	4	CC,M0
Benzene	ug/L	<1.0	50	50	42.5	39.9	85	80	73-119	6	
Bromobenzene	ug/L	<1.0	50	50	41.3	38.4	83	77	72-102	7	
Bromochloromethane	ug/L	<1.0	50	50	36.2	33.2	72	66	81-116	9	M1
Bromodichloromethane	ug/L	<1.0	50	50	40.0	34.9	80	70	78-117	14	M1
Bromoform	ug/L	<1.0	50	50	26.2	25.5	52	51	65-122	3	M1
Bromomethane	ug/L	<1.0	50	50	24.8	31.2	50	62	52-147	23	M1,R1
Carbon disulfide	ug/L	<1.0	50	50	49.4	47.0	99	94	41-144	5	
Carbon tetrachloride	ug/L	<1.0	50	50	29.7	27.2	59	54	59-120	9	M1
Chlorobenzene	ug/L	<1.0	50	50	42.0	38.7	84	77	75-113	8	
Chloroethane	ug/L	<1.0	50	50	52.9	54.3	106	109	49-151	3	
Chloroform	ug/L	<1.0	50	50	44.6	40.3	89	81	72-122	10	
Chloromethane	ug/L	<1.0	50	50	34.4	34.7	69	69	46-144	1	
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	47.3	40.3	95	81	72-121	16	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	41.8	39.2	84	78	78-116	7	
Dibromochloromethane	ug/L	<1.0	50	50	35.9	32.7	72	65	70-120	9	M1
Dibromomethane	ug/L	<1.0	50	50	41.0	37.6	82	75	75-125	9	
Dichlorodifluoromethane	ug/L	<1.0	50	50	26.7	24.8	53	50	22-154	8	CC
Ethylbenzene	ug/L	<1.0	50	50	43.7	39.6	87	79	70-113	10	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	34.0	29.8	68	60	59-121	13	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	41.8	40.4	84	81	67-115	3	
m&p-Xylene	ug/L	<2.0	100	100	83.9	78.1	84	78	72-115	7	
Methyl-tert-butyl ether	ug/L	<1.0	50	50	30.7	29.3	61	59	72-131	5	M1
Methylene Chloride	ug/L	<1.0	50	50	43.2	40.5	86	81	61-142	7	
n-Butylbenzene	ug/L	<1.0	50	50	48.5	42.7	97	85	73-107	13	
n-Propylbenzene	ug/L	<1.0	50	50	43.2	40.5	86	81	68-116	6	
Naphthalene	ug/L	<1.0	50	50	31.1	36.1	62	72	70-118	15	M1
o-Xylene	ug/L	<1.0	50	50	40.8	37.3	82	75	73-117	9	
p-Isopropyltoluene	ug/L	<1.0	50	50	44.0	44.1	88	88	73-101	0	
sec-Butylbenzene	ug/L	<1.0	50	50	43.7	45.7	87	91	72-103	5	
Styrene	ug/L	<1.0	50	50	41.2	38.4	82	77	72-118	7	CC
tert-Butylbenzene	ug/L	<1.0	50	50	42.9	42.9	86	86	68-100	0	
Tetrachloroethene	ug/L	<1.0	50	50	44.7	38.9	89	78	60-128	14	
Toluene	ug/L	<1.0	50	50	45.6	43.5	91	87	72-119	5	
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	43.8	41.3	88	83	56-142	6	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	41.9	38.7	84	77	79-116	8	M1
Trichloroethene	ug/L	<1.0	50	50	42.9	42.1	86	84	69-117	2	
Trichlorofluoromethane	ug/L	<1.0	50	50	56.7	54.2	113	108	27-173	5	
Vinyl acetate	ug/L	<1.0	50	50	43.3	42.7	87	85	20-158	1	
Vinyl chloride	ug/L	<1.0	50	50	41.2	37.6	82	75	43-143	9	
Xylene (Total)	ug/L	<1.0	150	150	125	115	83	77	71-109	8	
1,2-Dichloroethane-d4 (S)	%						98	99	68-153		
4-Bromofluorobenzene (S)	%						87	80	79-124		
Toluene-d8 (S)	%						103	102	69-124		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

QC Batch:	9999	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
Associated Lab Samples:	708375001, 708375002, 708375003, 708375004, 708375005, 708375006, 708375007, 708375008, 708375009, 708375010, 708375011, 708375012, 708375013		

METHOD BLANK: 52546 Matrix: Water
Associated Lab Samples: 708375001, 708375002, 708375003, 708375004, 708375005, 708375006, 708375007, 708375008, 708375009, 708375010, 708375011, 708375012, 708375013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	01/11/17 16:43	
Sulfate	mg/L	<5.0	5.0	01/11/17 16:43	

LABORATORY CONTROL SAMPLE: 52547

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.2	102	90-110	
Sulfate	mg/L	10	10.8	108	90-110	

MATRIX SPIKE SAMPLE: 52548

Parameter	Units	708375009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	584	500	1080	100	80-120	
Sulfate	mg/L	62.3	50	115	105	80-120	

MATRIX SPIKE SAMPLE: 52550

Parameter	Units	708210001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	42.2	10	51.5	93	80-120	E
Sulfate	mg/L	8.6	10	18.5	99	80-120	

SAMPLE DUPLICATE: 52549

Parameter	Units	708375009 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	584	577	1	
Sulfate	mg/L	62.3	61.4	1	

SAMPLE DUPLICATE: 52551

Parameter	Units	708210001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	42.2	39.7	6	
Sulfate	mg/L	8.6	8.0	7	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

QC Batch:	9424	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
Associated Lab Samples:	708375001, 708375002, 708375003, 708375004, 708375005, 708375006, 708375007, 708375008, 708375009, 708375010, 708375011, 708375012, 708375013		

METHOD BLANK:	49865	Matrix:	Water
Associated Lab Samples:	708375001, 708375002, 708375003, 708375004, 708375005, 708375006, 708375007, 708375008, 708375009, 708375010, 708375011, 708375012, 708375013		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	01/06/17 09:58	

LABORATORY CONTROL SAMPLE: 49866

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: 49867

Parameter	Units	708375009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.54	106	90-110	H1

MATRIX SPIKE SAMPLE: 49869

Parameter	Units	708433003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.53	106	90-110	

SAMPLE DUPLICATE: 49868

Parameter	Units	708375009 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		H1

SAMPLE DUPLICATE: 49870

Parameter	Units	708433003 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 1368.001.001 1/5/17

Pace Project No.: 708375

QC Batch:	9439	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate, Unpres.
Associated Lab Samples:	708375001, 708375002, 708375003, 708375004, 708375005, 708375006, 708375007, 708375008, 708375009, 708375010, 708375011, 708375012, 708375013		

METHOD BLANK: 49915 Matrix: Water
Associated Lab Samples: 708375001, 708375002, 708375003, 708375004, 708375005, 708375006, 708375007, 708375008, 708375009, 708375010, 708375011, 708375012, 708375013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	01/06/17 11:42	

LABORATORY CONTROL SAMPLE: 49916

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: 49917

Parameter	Units	708375009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.26	.5	0.55	59	90-110	H1,M1

MATRIX SPIKE SAMPLE: 49919

Parameter	Units	708433003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	7.5	2.5	9.9	96	90-110	

SAMPLE DUPLICATE: 49918

Parameter	Units	708375009 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.26	<0.050		H1

SAMPLE DUPLICATE: 49920

Parameter	Units	708433003 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	7.5	7.5	0	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

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.

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.

ANALYTE QUALIFIERS

1j	2-Chloroethylvinyl ether not reportable due to improper sample preservation
B	Analyte was detected in the associated method blank.
CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the EPA method holding time.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
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.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.
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.
R1	RPD value was outside control limits.
c2	Acid preservation may not be appropriate for the analysis of 2-Chloroethylvinyl ether.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
708375001	MW-19	EPA 200.7	9941	EPA 200.7	10016
708375002	MW-46	EPA 200.7	9941	EPA 200.7	10016
708375003	MW-70S	EPA 200.7	9941	EPA 200.7	10016
708375004	MW-70D	EPA 200.7	9941	EPA 200.7	10016
708375005	MW-69	EPA 200.7	9941	EPA 200.7	10016
708375006	MW-68	EPA 200.7	9941	EPA 200.7	10016
708375007	MW-67	EPA 200.7	9941	EPA 200.7	10016
708375008	MW-66	EPA 200.7	9941	EPA 200.7	10016
708375009	MW-65 MS/MSD	EPA 200.7	9941	EPA 200.7	10016
708375010	MW-64S	EPA 200.7	9941	EPA 200.7	10016
708375011	MW-64D	EPA 200.7	9941	EPA 200.7	10016
708375012	MW-62	EPA 200.7	9941	EPA 200.7	10016
708375013	DUP-X	EPA 200.7	9941	EPA 200.7	10016
708375001	MW-19	EPA 8260C/5030C	9446		
708375002	MW-46	EPA 8260C/5030C	9446		
708375003	MW-70S	EPA 8260C/5030C	9446		
708375004	MW-70D	EPA 8260C/5030C	9446		
708375005	MW-69	EPA 8260C/5030C	9446		
708375006	MW-68	EPA 8260C/5030C	9446		
708375007	MW-67	EPA 8260C/5030C	9446		
708375008	MW-66	EPA 8260C/5030C	9446		
708375009	MW-65 MS/MSD	EPA 8260C/5030C	9446		
708375010	MW-64S	EPA 8260C/5030C	9446		
708375011	MW-64D	EPA 8260C/5030C	9618		
708375012	MW-62	EPA 8260C/5030C	9446		
708375013	DUP-X	EPA 8260C/5030C	9618		
708375014	TRIP BLANK	EPA 8260C/5030C	9446		
708375001	MW-19	EPA 300.0	9999		
708375002	MW-46	EPA 300.0	9999		
708375003	MW-70S	EPA 300.0	9999		
708375004	MW-70D	EPA 300.0	9999		
708375005	MW-69	EPA 300.0	9999		
708375006	MW-68	EPA 300.0	9999		
708375007	MW-67	EPA 300.0	9999		
708375008	MW-66	EPA 300.0	9999		
708375009	MW-65 MS/MSD	EPA 300.0	9999		
708375010	MW-64S	EPA 300.0	9999		
708375011	MW-64D	EPA 300.0	9999		
708375012	MW-62	EPA 300.0	9999		
708375013	DUP-X	EPA 300.0	9999		
708375001	MW-19	EPA 353.2	9439		
708375002	MW-46	EPA 353.2	9439		
708375003	MW-70S	EPA 353.2	9439		
708375004	MW-70D	EPA 353.2	9439		
708375005	MW-69	EPA 353.2	9439		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO 1368.001.001 1/5/17

Pace Project No.: 708375

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
708375006	MW-68	EPA 353.2	9439		
708375007	MW-67	EPA 353.2	9439		
708375008	MW-66	EPA 353.2	9439		
708375009	MW-65 MS/MSD	EPA 353.2	9439		
708375010	MW-64S	EPA 353.2	9439		
708375011	MW-64D	EPA 353.2	9439		
708375012	MW-62	EPA 353.2	9439		
708375013	DUP-X	EPA 353.2	9439		
708375001	MW-19	EPA 353.2	9424		
708375002	MW-46	EPA 353.2	9424		
708375003	MW-70S	EPA 353.2	9424		
708375004	MW-70D	EPA 353.2	9424		
708375005	MW-69	EPA 353.2	9424		
708375006	MW-68	EPA 353.2	9424		
708375007	MW-67	EPA 353.2	9424		
708375008	MW-66	EPA 353.2	9424		
708375009	MW-65 MS/MSD	EPA 353.2	9424		
708375010	MW-64S	EPA 353.2	9424		
708375011	MW-64D	EPA 353.2	9424		
708375012	MW-62	EPA 353.2	9424		
708375013	DUP-X	EPA 353.2	9424		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

WO#: 708375



Section A

Required Client Information:

Company: **B-L** Report To: **ANDY BARBER** Copy To: **NATHAN SHAFER**
 Address: **10 Airline Drive Suite 200** Albany 12205
 Email To: **cmiller@paceanalytical.com** Purchase Order No.:
 Phone: **(518) 210-1801** Fax: **(518) 210-1805** Project Name: **ALCO**
 Requested Due Date/TAT: **STANDARD** Project Number: **1368.001-001**

Section B

Required Project Information:

Attention: **ACCOUNTS PAYABLE** Company Name: **B-L**
 Address: **443 E. Main St. Albany, NY 12202**
 Pace Quote Reference: **NICHOLAS NICHOLAS**
 Pace Project Manager: **NICHOLAS NICHOLAS**
 Pace Profile #:

Section C

Invoice Information:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER **NYDEC**
 Site Location: **NY**
 STATE: **NY**

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information		Matrix Codes MATRIX / CODE Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↑ Y / N ↑	Vol by B260 Sulfate + Chloride Nitrate Nitrates + Hardness BNA, Ca, K, Mg																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	COMPOSITE START	COMPOSITE END/GRAB				DATE	TIME	DATE	TIME			H2SO4	HNO3	HCl	NaOH	Na2O3	Methanol	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
1	MW-19		WT G				11/17	15:30		6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Relinquished By / Affiliation

DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
11/17	16:20	ACE	11/17	16:20	Y
11/17	15:17	ACE	11/17	15:17	Y

Temp In °C

Temp In °C	Received on	Custody	Sealed Cooler	Samples Intact
4.3	Y	Y	Y	Y
5.0	Y	Y	Y	Y
1.3	Y	Y	Y	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **ROSEMARY MCGORMICK**

SIGNATURE of SAMPLER: **[Signature]**

DATE Signed (MM/DD/YY): **11/17**

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007



Sample Condition Upon Receipt

WO#: 708375

PM: CNP Due Date: 01/11/17
CLIENT: B&L

Client Name: B&L ALCO

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

Tracking #: _____

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used: TH077 TH078 Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 1.3

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: AD 1/5/17

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix SL WT OIL		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed:
		Lot # of added preservative:
		Date and Time preservative added:
Exceptions: VOA, micro, TOC, O&G		
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

F-LI-C-002-rev.00

September 06, 2017

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

RE: Project: Alco 1368.001.001
Pace Project No.: 7024877

Dear Corinne Steinmuller:

Enclosed are the analytical results for sample(s) received by the laboratory on July 21, 2017. 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
Accounts Payable, Barton and Loguidice
Nathan Shaffer, B&L



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Alco 1368.001.001

Pace Project No.: 7024877

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 1368.001.001

Pace Project No.: 7024877

Sample: MW-6S		Lab ID: 7024877001		Collected: 07/20/17 09:20		Received: 07/21/17 09:55		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							
Calcium	228000	ug/L	1000	1	07/25/17 10:41	07/25/17 21:06	7440-70-2	N3	
Hardness, Calcium	570000	ug/L	2500	1	07/25/17 10:41	07/25/17 21:06			
Hardness, Magnesium	203000	ug/L	4100	1	07/25/17 10:41	07/25/17 21:06			
Magnesium	49400	ug/L	1000	1	07/25/17 10:41	07/25/17 21:06	7439-95-4		
Potassium	<5000	ug/L	5000	1	07/25/17 10:41	07/25/17 21:06	7440-09-7		
Sodium	320000	ug/L	5000	1	07/25/17 10:41	07/25/17 21:06	7440-23-5		
Total Hardness	773000	ug/L	4100	1	07/25/17 10:41	07/25/17 21:06			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/27/17 15:24	630-20-6	M1,c2	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/27/17 15:24	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/27/17 15:24	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/27/17 15:24	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/27/17 15:24	75-34-3		
1,1-Dichloroethene	1.0	ug/L	1.0	1		07/27/17 15:24	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 15:24	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/27/17 15:24	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/27/17 15:24	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/27/17 15:24	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/27/17 15:24	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 15:24	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 15:24	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 15:24	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/27/17 15:24	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		07/27/17 15:24	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		07/27/17 15:24	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		07/27/17 15:24	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		07/27/17 15:24	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/27/17 15:24	108-10-1		
Acetone	10.7	ug/L	5.0	1		07/27/17 15:24	67-64-1		
Benzene	<1.0	ug/L	1.0	1		07/27/17 15:24	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		07/27/17 15:24	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/27/17 15:24	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/27/17 15:24	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		07/27/17 15:24	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		07/27/17 15:24	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/27/17 15:24	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/27/17 15:24	75-00-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001
Pace Project No.: 7024877

Sample: MW-6S		Lab ID: 7024877001		Collected: 07/20/17 09:20		Received: 07/21/17 09:55		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		07/27/17 15:24	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/27/17 15:24	74-87-3	CC	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/27/17 15:24	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		07/27/17 15:24	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/27/17 15:24	75-71-8	CC	
Ethylbenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/27/17 15:24	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		07/27/17 15:24	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		07/27/17 15:24	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/27/17 15:24	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		07/27/17 15:24	91-20-3		
Styrene	<1.0	ug/L	1.0	1		07/27/17 15:24	100-42-5		
Tetrachloroethene	173	ug/L	1.0	1		07/27/17 15:24	127-18-4	M1	
Toluene	<1.0	ug/L	1.0	1		07/27/17 15:24	108-88-3		
Trichloroethene	106	ug/L	1.0	1		07/27/17 15:24	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/27/17 15:24	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/27/17 15:24	108-05-4		
Vinyl chloride	54.9	ug/L	1.0	1		07/27/17 15:24	75-01-4	CC	
Xylene (Total)	<2.0	ug/L	2.0	1		07/27/17 15:24	1330-20-7		
cis-1,2-Dichloroethene	410	ug/L	5.0	5		07/27/17 16:25	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 15:24	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		07/27/17 15:24	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	104-51-8	L2,M0	
n-Propylbenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		07/27/17 15:24	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/27/17 15:24	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 15:24	98-06-6		
trans-1,2-Dichloroethene	2.6	ug/L	1.0	1		07/27/17 15:24	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 15:24	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%.	68-153	1		07/27/17 15:24	17060-07-0		
4-Bromofluorobenzene (S)	106	%.	79-124	1		07/27/17 15:24	460-00-4		
Toluene-d8 (S)	99	%.	69-124	1		07/27/17 15:24	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	993	mg/L	100	50		07/26/17 17:51	16887-00-6		
Sulfate	77.5	mg/L	50.0	10		07/25/17 20:58	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.19	mg/L	0.050	1		07/22/17 01:30	14797-55-8		
Nitrate-Nitrite (as N)	0.19	mg/L	0.050	1		07/22/17 01:30	7727-37-9	M1	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		07/21/17 22:46	14797-65-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-64S		Lab ID: 7024877002		Collected: 07/20/17 09:40		Received: 07/21/17 09:55		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							
Calcium	105000	ug/L	1000	1	07/25/17 10:41	07/25/17 21:32	7440-70-2	N3	
Hardness, Calcium	262000	ug/L	2500	1	07/25/17 10:41	07/25/17 21:32			
Hardness, Magnesium	59500	ug/L	4100	1	07/25/17 10:41	07/25/17 21:32			
Magnesium	14400	ug/L	1000	1	07/25/17 10:41	07/25/17 21:32	7439-95-4		
Potassium	6240	ug/L	5000	1	07/25/17 10:41	07/25/17 21:32	7440-09-7		
Sodium	28600	ug/L	5000	1	07/25/17 10:41	07/25/17 21:32	7440-23-5		
Total Hardness	322000	ug/L	4100	1	07/25/17 10:41	07/25/17 21:32			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/26/17 18:36	630-20-6	c2	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/26/17 18:36	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/26/17 18:36	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/26/17 18:36	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/26/17 18:36	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/26/17 18:36	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 18:36	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/26/17 18:36	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/26/17 18:36	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/26/17 18:36	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/26/17 18:36	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 18:36	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 18:36	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 18:36	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/26/17 18:36	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		07/26/17 18:36	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		07/26/17 18:36	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		07/26/17 18:36	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		07/26/17 18:36	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/26/17 18:36	108-10-1		
Acetone	8.3	ug/L	5.0	1		07/26/17 18:36	67-64-1		
Benzene	<1.0	ug/L	1.0	1		07/26/17 18:36	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		07/26/17 18:36	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/26/17 18:36	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/26/17 18:36	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		07/26/17 18:36	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		07/26/17 18:36	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/26/17 18:36	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/26/17 18:36	75-00-3		

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-64S		Lab ID: 7024877002		Collected: 07/20/17 09:40		Received: 07/21/17 09:55		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		07/26/17 18:36	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/26/17 18:36	74-87-3	CC	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/26/17 18:36	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		07/26/17 18:36	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/26/17 18:36	75-71-8	CC	
Ethylbenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/26/17 18:36	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		07/26/17 18:36	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		07/26/17 18:36	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/26/17 18:36	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		07/26/17 18:36	91-20-3		
Styrene	<1.0	ug/L	1.0	1		07/26/17 18:36	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/26/17 18:36	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/26/17 18:36	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		07/26/17 18:36	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/26/17 18:36	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/26/17 18:36	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		07/26/17 18:36	75-01-4		
Xylene (Total)	<2.0	ug/L	2.0	1		07/26/17 18:36	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/26/17 18:36	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 18:36	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		07/26/17 18:36	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		07/26/17 18:36	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/26/17 18:36	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 18:36	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/26/17 18:36	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 18:36	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%.	68-153	1		07/26/17 18:36	17060-07-0		
4-Bromofluorobenzene (S)	104	%.	79-124	1		07/26/17 18:36	460-00-4		
Toluene-d8 (S)	101	%.	69-124	1		07/26/17 18:36	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	43.1	mg/L	2.0	1		07/25/17 21:38	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		07/25/17 21:38	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		07/22/17 01:33	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/22/17 01:33	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		07/21/17 22:49	14797-65-0		

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-64D		Lab ID: 7024877003		Collected: 07/20/17 09:50		Received: 07/21/17 09:55		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							
Calcium	141000	ug/L	1000	1	07/25/17 10:41	07/25/17 22:03	7440-70-2	N3	
Hardness, Calcium	353000	ug/L	2500	1	07/25/17 10:41	07/25/17 22:03			
Hardness, Magnesium	70400	ug/L	4100	1	07/25/17 10:41	07/25/17 22:03			
Magnesium	17100	ug/L	1000	1	07/25/17 10:41	07/25/17 22:03	7439-95-4		
Potassium	<5000	ug/L	5000	1	07/25/17 10:41	07/25/17 22:03	7440-09-7		
Sodium	39800	ug/L	5000	1	07/25/17 10:41	07/25/17 22:03	7440-23-5		
Total Hardness	423000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:03			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/26/17 18:57	630-20-6	c2	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/26/17 18:57	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/26/17 18:57	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/26/17 18:57	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/26/17 18:57	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/26/17 18:57	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 18:57	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 18:57	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/26/17 18:57	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 18:57	120-82-1		
1,2,4-Trimethylbenzene	1.1	ug/L	1.0	1		07/26/17 18:57	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/26/17 18:57	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/26/17 18:57	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 18:57	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/26/17 18:57	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 18:57	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		07/26/17 18:57	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 18:57	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 18:57	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 18:57	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 18:57	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/26/17 18:57	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		07/26/17 18:57	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		07/26/17 18:57	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		07/26/17 18:57	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		07/26/17 18:57	106-43-4	L1	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/26/17 18:57	108-10-1		
Acetone	8.0	ug/L	5.0	1		07/26/17 18:57	67-64-1		
Benzene	<1.0	ug/L	1.0	1		07/26/17 18:57	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		07/26/17 18:57	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		07/26/17 18:57	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/26/17 18:57	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/26/17 18:57	75-25-2		IL
Bromomethane	<1.0	ug/L	1.0	1		07/26/17 18:57	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		07/26/17 18:57	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/26/17 18:57	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/26/17 18:57	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/26/17 18:57	75-00-3		

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-64D		Lab ID: 7024877003		Collected: 07/20/17 09:50		Received: 07/21/17 09:55		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		07/26/17 18:57	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/26/17 18:57	74-87-3	CC	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/26/17 18:57	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		07/26/17 18:57	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/26/17 18:57	75-71-8	CC	
Ethylbenzene	<1.0	ug/L	1.0	1		07/26/17 18:57	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/26/17 18:57	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		07/26/17 18:57	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		07/26/17 18:57	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/26/17 18:57	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		07/26/17 18:57	91-20-3		
Styrene	<1.0	ug/L	1.0	1		07/26/17 18:57	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/26/17 18:57	127-18-4		
Toluene	1.8	ug/L	1.0	1		07/26/17 18:57	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		07/26/17 18:57	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/26/17 18:57	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/26/17 18:57	108-05-4		
Vinyl chloride	2.2	ug/L	1.0	1		07/26/17 18:57	75-01-4		
Xylene (Total)	<2.0	ug/L	2.0	1		07/26/17 18:57	1330-20-7		
cis-1,2-Dichloroethene	9.9	ug/L	1.0	1		07/26/17 18:57	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 18:57	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		07/26/17 18:57	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 18:57	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		07/26/17 18:57	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		07/26/17 18:57	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/26/17 18:57	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 18:57	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 18:57	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/26/17 18:57	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 18:57	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	86	%.	68-153	1		07/26/17 18:57	17060-07-0		
4-Bromofluorobenzene (S)	105	%.	79-124	1		07/26/17 18:57	460-00-4		
Toluene-d8 (S)	102	%.	69-124	1		07/26/17 18:57	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	58.2	mg/L	10.0	5		07/25/17 22:05	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		07/25/17 21:52	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		07/22/17 01:35	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/22/17 01:35	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		07/21/17 22:51	14797-65-0		

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-62		Lab ID: 7024877004		Collected: 07/20/17 10:00		Received: 07/21/17 09:55		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							
Calcium	204000	ug/L	1000	1	07/25/17 10:41	07/25/17 22:08	7440-70-2	N3	
Hardness, Calcium	509000	ug/L	2500	1	07/25/17 10:41	07/25/17 22:08			
Hardness, Magnesium	123000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:08			
Magnesium	29900	ug/L	1000	1	07/25/17 10:41	07/25/17 22:08	7439-95-4		
Potassium	<5000	ug/L	5000	1	07/25/17 10:41	07/25/17 22:08	7440-09-7		
Sodium	357000	ug/L	5000	1	07/25/17 10:41	07/25/17 22:08	7440-23-5		
Total Hardness	633000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:08			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/26/17 19:17	630-20-6	c2	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/26/17 19:17	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/26/17 19:17	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/26/17 19:17	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/26/17 19:17	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/26/17 19:17	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 19:17	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/26/17 19:17	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/26/17 19:17	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/26/17 19:17	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/26/17 19:17	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 19:17	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 19:17	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 19:17	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/26/17 19:17	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		07/26/17 19:17	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		07/26/17 19:17	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		07/26/17 19:17	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		07/26/17 19:17	106-43-4	L1	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/26/17 19:17	108-10-1		
Acetone	8.2	ug/L	5.0	1		07/26/17 19:17	67-64-1	IL CC	
Benzene	<1.0	ug/L	1.0	1		07/26/17 19:17	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		07/26/17 19:17	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/26/17 19:17	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/26/17 19:17	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		07/26/17 19:17	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		07/26/17 19:17	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/26/17 19:17	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/26/17 19:17	75-00-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001
Pace Project No.: 7024877

Sample: MW-62		Lab ID: 7024877004		Collected: 07/20/17 10:00		Received: 07/21/17 09:55		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		07/26/17 19:17	67-66-3	CC	
Chloromethane	<1.0	ug/L	1.0	1		07/26/17 19:17	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		07/26/17 19:17	124-48-1	CC	
Dibromomethane	<1.0	ug/L	1.0	1		07/26/17 19:17	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/26/17 19:17	75-71-8	CC	
Ethylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/26/17 19:17	87-68-3	CC	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		07/26/17 19:17	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		07/26/17 19:17	1634-04-4	CC	
Methylene Chloride	<1.0	ug/L	1.0	1		07/26/17 19:17	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		07/26/17 19:17	91-20-3	CC	
Styrene	<1.0	ug/L	1.0	1		07/26/17 19:17	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/26/17 19:17	127-18-4	CC	
Toluene	<1.0	ug/L	1.0	1		07/26/17 19:17	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		07/26/17 19:17	79-01-6	CC	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/26/17 19:17	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/26/17 19:17	108-05-4	CC	
Vinyl chloride	57.0	ug/L	1.0	1		07/26/17 19:17	75-01-4		
Xylene (Total)	<2.0	ug/L	2.0	1		07/26/17 19:17	1330-20-7	CC	
cis-1,2-Dichloroethene	537	ug/L	5.0	5		07/27/17 13:34	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 19:17	10061-01-5	CC	
m&p-Xylene	<2.0	ug/L	2.0	1		07/26/17 19:17	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	104-51-8	CC	
n-Propylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		07/26/17 19:17	95-47-6	CC	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/26/17 19:17	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	135-98-8	CC	
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:17	98-06-6		
trans-1,2-Dichloroethene	32.4	ug/L	1.0	1		07/26/17 19:17	156-60-5	CC	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 19:17	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	97	%	68-153	1		07/26/17 19:17	17060-07-0	CC	
4-Bromofluorobenzene (S)	101	%	79-124	1		07/26/17 19:17	460-00-4		
Toluene-d8 (S)	100	%	69-124	1		07/26/17 19:17	2037-26-5	CC	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	791	mg/L	40.0	20		07/25/17 22:32	16887-00-6	CC	
Sulfate	89.4	mg/L	50.0	10		07/26/17 18:31	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		07/22/17 01:36	14797-55-8	CC	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/22/17 01:36	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		07/21/17 22:52	14797-65-0	CC	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-67		Lab ID: 7024877005		Collected: 07/20/17 10:15		Received: 07/21/17 09:55		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							
Calcium	276000	ug/L	1000	1	07/25/17 10:41	07/25/17 22:13	7440-70-2	N3	
Hardness, Calcium	690000	ug/L	2500	1	07/25/17 10:41	07/25/17 22:13			
Hardness, Magnesium	170000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:13			
Magnesium	41200	ug/L	1000	1	07/25/17 10:41	07/25/17 22:13	7439-95-4		
Potassium	7800	ug/L	5000	1	07/25/17 10:41	07/25/17 22:13	7440-09-7		
Sodium	545000	ug/L	5000	1	07/25/17 10:41	07/25/17 22:13	7440-23-5		
Total Hardness	860000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:13			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/26/17 19:38	630-20-6	c2	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/26/17 19:38	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/26/17 19:38	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/26/17 19:38	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/26/17 19:38	75-34-3		
1,1-Dichloroethene	2.0	ug/L	1.0	1		07/26/17 19:38	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 19:38	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/26/17 19:38	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/26/17 19:38	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/26/17 19:38	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/26/17 19:38	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 19:38	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 19:38	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 19:38	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/26/17 19:38	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		07/26/17 19:38	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		07/26/17 19:38	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		07/26/17 19:38	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		07/26/17 19:38	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/26/17 19:38	108-10-1		
Acetone	7.0	ug/L	5.0	1		07/26/17 19:38	67-64-1		
Benzene	<1.0	ug/L	1.0	1		07/26/17 19:38	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		07/26/17 19:38	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/26/17 19:38	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/26/17 19:38	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		07/26/17 19:38	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		07/26/17 19:38	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/26/17 19:38	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/26/17 19:38	75-00-3		

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ANALYTICAL RESULTS

Project: Alco 1368.001.001
Pace Project No.: 7024877

Sample: MW-67		Lab ID: 7024877005		Collected: 07/20/17 10:15		Received: 07/21/17 09:55		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		07/26/17 19:38	67-66-3	CC	
Chloromethane	<1.0	ug/L	1.0	1		07/26/17 19:38	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		07/26/17 19:38	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		07/26/17 19:38	74-95-3	CC	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/26/17 19:38	75-71-8		
Ethylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/26/17 19:38	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		07/26/17 19:38	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		07/26/17 19:38	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/26/17 19:38	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		07/26/17 19:38	91-20-3		
Styrene	<1.0	ug/L	1.0	1		07/26/17 19:38	100-42-5		
Tetrachloroethene	172	ug/L	1.0	1		07/26/17 19:38	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/26/17 19:38	108-88-3		
Trichloroethene	163	ug/L	1.0	1		07/26/17 19:38	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/26/17 19:38	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/26/17 19:38	108-05-4		
Vinyl chloride	418	ug/L	10.0	10		07/27/17 13:54	75-01-4		
Xylene (Total)	<2.0	ug/L	2.0	1		07/26/17 19:38	1330-20-7		
cis-1,2-Dichloroethene	1660	ug/L	10.0	10		07/27/17 13:54	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 19:38	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		07/26/17 19:38	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		07/26/17 19:38	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/26/17 19:38	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 19:38	98-06-6		
trans-1,2-Dichloroethene	15.3	ug/L	1.0	1		07/26/17 19:38	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 19:38	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%.	68-153	1		07/26/17 19:38	17060-07-0		
4-Bromofluorobenzene (S)	106	%.	79-124	1		07/26/17 19:38	460-00-4		
Toluene-d8 (S)	103	%.	69-124	1		07/26/17 19:38	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	1360	mg/L	100	50		07/25/17 23:26	16887-00-6		
Sulfate	174	mg/L	50.0	10		07/26/17 18:45	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		07/22/17 01:37	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/22/17 01:37	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		07/21/17 22:53	14797-65-0		

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-68		Lab ID: 7024877006		Collected: 07/20/17 10:25		Received: 07/21/17 09:55		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							
Calcium	159000	ug/L	1000	1	07/25/17 10:41	07/25/17 22:19	7440-70-2	N3	
Hardness, Calcium	397000	ug/L	2500	1	07/25/17 10:41	07/25/17 22:19			
Hardness, Magnesium	108000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:19			
Magnesium	26300	ug/L	1000	1	07/25/17 10:41	07/25/17 22:19	7439-95-4		
Potassium	<5000	ug/L	5000	1	07/25/17 10:41	07/25/17 22:19	7440-09-7		
Sodium	102000	ug/L	5000	1	07/25/17 10:41	07/25/17 22:19	7440-23-5		
Total Hardness	505000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:19			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/27/17 12:32	630-20-6	c2	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/27/17 12:32	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/27/17 12:32	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/27/17 12:32	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/27/17 12:32	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/27/17 12:32	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 12:32	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/27/17 12:32	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/27/17 12:32	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/27/17 12:32	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/27/17 12:32	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 12:32	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 12:32	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 12:32	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/27/17 12:32	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		07/27/17 12:32	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		07/27/17 12:32	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		07/27/17 12:32	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		07/27/17 12:32	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/27/17 12:32	108-10-1		
Acetone	<5.0	ug/L	5.0	1		07/27/17 12:32	67-64-1		
Benzene	<1.0	ug/L	1.0	1		07/27/17 12:32	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		07/27/17 12:32	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/27/17 12:32	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/27/17 12:32	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		07/27/17 12:32	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		07/27/17 12:32	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/27/17 12:32	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/27/17 12:32	75-00-3		
								IL	
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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-68		Lab ID: 7024877006		Collected: 07/20/17 10:25		Received: 07/21/17 09:55		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		07/27/17 12:32	67-66-3	CC	
Chloromethane	<1.0	ug/L	1.0	1		07/27/17 12:32	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		07/27/17 12:32	124-48-1	CC	
Dibromomethane	<1.0	ug/L	1.0	1		07/27/17 12:32	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/27/17 12:32	75-71-8	CC	
Ethylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/27/17 12:32	87-68-3	CC	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		07/27/17 12:32	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		07/27/17 12:32	1634-04-4	CC	
Methylene Chloride	<1.0	ug/L	1.0	1		07/27/17 12:32	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		07/27/17 12:32	91-20-3	CC	
Styrene	<1.0	ug/L	1.0	1		07/27/17 12:32	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/27/17 12:32	127-18-4	CC	
Toluene	<1.0	ug/L	1.0	1		07/27/17 12:32	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		07/27/17 12:32	79-01-6	CC	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/27/17 12:32	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/27/17 12:32	108-05-4	CC	
Vinyl chloride	3.8	ug/L	1.0	1		07/27/17 12:32	75-01-4		
Xylene (Total)	<2.0	ug/L	2.0	1		07/27/17 12:32	1330-20-7	CC	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/27/17 12:32	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 12:32	10061-01-5	L2	
m&p-Xylene	<2.0	ug/L	2.0	1		07/27/17 12:32	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	104-51-8	L2	
n-Propylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		07/27/17 12:32	95-47-6	L2	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/27/17 12:32	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	135-98-8	L2	
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:32	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/27/17 12:32	156-60-5	L2	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 12:32	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%	68-153	1		07/27/17 12:32	17060-07-0	L2	
4-Bromofluorobenzene (S)	102	%	79-124	1		07/27/17 12:32	460-00-4		
Toluene-d8 (S)	101	%	69-124	1		07/27/17 12:32	2037-26-5	L2	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Chloride	172	mg/L	20.0	10		07/25/17 23:53	16887-00-6	L2	
Sulfate	<5.0	mg/L	5.0	1		07/25/17 23:40	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.056	mg/L	0.050	1		07/22/17 01:38	14797-55-8	L2	
Nitrate-Nitrite (as N)	0.056	mg/L	0.050	1		07/22/17 01:38	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		07/21/17 22:54	14797-65-0	L2	

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-46		Lab ID: 7024877007		Collected: 07/20/17 10:37		Received: 07/21/17 09:55		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							
Calcium	283000	ug/L	1000	1	07/25/17 10:41	07/25/17 22:24	7440-70-2	N3	
Hardness, Calcium	707000	ug/L	2500	1	07/25/17 10:41	07/25/17 22:24			
Hardness, Magnesium	139000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:24			
Magnesium	33700	ug/L	1000	1	07/25/17 10:41	07/25/17 22:24	7439-95-4		
Potassium	13200	ug/L	5000	1	07/25/17 10:41	07/25/17 22:24	7440-09-7		
Sodium	1510000	ug/L	50000	10	07/25/17 10:41	07/26/17 12:17	7440-23-5		
Total Hardness	846000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:24			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/26/17 20:19	630-20-6	c2 	

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ANALYTICAL RESULTS

Project: Alco 1368.001.001
Pace Project No.: 7024877

Sample: MW-46		Lab ID: 7024877007		Collected: 07/20/17 10:37		Received: 07/21/17 09:55		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		07/26/17 20:19	67-66-3	CC	
Chloromethane	<1.0	ug/L	1.0	1		07/26/17 20:19	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		07/26/17 20:19	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		07/26/17 20:19	74-95-3	CC	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/26/17 20:19	75-71-8		
Ethylbenzene	<1.0	ug/L	1.0	1		07/26/17 20:19	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/26/17 20:19	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		07/26/17 20:19	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		07/26/17 20:19	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/26/17 20:19	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		07/26/17 20:19	91-20-3		
Styrene	<1.0	ug/L	1.0	1		07/26/17 20:19	100-42-5		
Tetrachloroethene	75.5	ug/L	1.0	1		07/26/17 20:19	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/26/17 20:19	108-88-3		
Trichloroethene	182	ug/L	1.0	1		07/26/17 20:19	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/26/17 20:19	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/26/17 20:19	108-05-4		
Vinyl chloride	511	ug/L	50.0	50		07/27/17 14:15	75-01-4		
Xylene (Total)	<2.0	ug/L	2.0	1		07/26/17 20:19	1330-20-7		
cis-1,2-Dichloroethene	5560	ug/L	50.0	50		07/27/17 14:15	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 20:19	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		07/26/17 20:19	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 20:19	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		07/26/17 20:19	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		07/26/17 20:19	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/26/17 20:19	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 20:19	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 20:19	98-06-6		
trans-1,2-Dichloroethene	22.7	ug/L	1.0	1		07/26/17 20:19	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 20:19	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%.	68-153	1		07/26/17 20:19	17060-07-0		
4-Bromofluorobenzene (S)	96	%.	79-124	1		07/26/17 20:19	460-00-4		
Toluene-d8 (S)	98	%.	69-124	1		07/26/17 20:19	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	3090	mg/L	200	100		07/26/17 00:20	16887-00-6		
Sulfate	255	mg/L	250	50		07/26/17 18:58	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.052	mg/L	0.050	1		07/22/17 01:39	14797-55-8		
Nitrate-Nitrite (as N)	0.052	mg/L	0.050	1		07/22/17 01:39	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		07/21/17 22:55	14797-65-0		

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-19		Lab ID: 7024877008		Collected: 07/20/17 10:43		Received: 07/21/17 09:55		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							
Calcium	110000	ug/L	1000	1	07/25/17 10:41	07/25/17 22:30	7440-70-2	N3	
Hardness, Calcium	276000	ug/L	2500	1	07/25/17 10:41	07/25/17 22:30			
Hardness, Magnesium	41300	ug/L	4100	1	07/25/17 10:41	07/25/17 22:30			
Magnesium	10000	ug/L	1000	1	07/25/17 10:41	07/25/17 22:30	7439-95-4		
Potassium	7010	ug/L	5000	1	07/25/17 10:41	07/25/17 22:30	7440-09-7		
Sodium	441000	ug/L	5000	1	07/25/17 10:41	07/25/17 22:30	7440-23-5		
Total Hardness	317000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:30			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/26/17 20:39	630-20-6	c2	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/26/17 20:39	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/26/17 20:39	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/26/17 20:39	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/26/17 20:39	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/26/17 20:39	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 20:39	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/26/17 20:39	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/26/17 20:39	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/26/17 20:39	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/26/17 20:39	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 20:39	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 20:39	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 20:39	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/26/17 20:39	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		07/26/17 20:39	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		07/26/17 20:39	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		07/26/17 20:39	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		07/26/17 20:39	106-43-4	L1	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/26/17 20:39	108-10-1		
Acetone	7.4	ug/L	5.0	1		07/26/17 20:39	67-64-1		
Benzene	<1.0	ug/L	1.0	1		07/26/17 20:39	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		07/26/17 20:39	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/26/17 20:39	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/26/17 20:39	75-25-2		IL
Bromomethane	<1.0	ug/L	1.0	1		07/26/17 20:39	74-83-9	CC	
Carbon disulfide	<1.0	ug/L	1.0	1		07/26/17 20:39	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/26/17 20:39	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/26/17 20:39	75-00-3		

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-19		Lab ID: 7024877008		Collected: 07/20/17 10:43		Received: 07/21/17 09:55		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		07/26/17 20:39	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/26/17 20:39	74-87-3	CC	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/26/17 20:39	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		07/26/17 20:39	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/26/17 20:39	75-71-8	CC	
Ethylbenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/26/17 20:39	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		07/26/17 20:39	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		07/26/17 20:39	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/26/17 20:39	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		07/26/17 20:39	91-20-3		
Styrene	<1.0	ug/L	1.0	1		07/26/17 20:39	100-42-5		
Tetrachloroethene	812	ug/L	10.0	10		07/27/17 14:35	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/26/17 20:39	108-88-3		
Trichloroethene	76.1	ug/L	1.0	1		07/26/17 20:39	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/26/17 20:39	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/26/17 20:39	108-05-4		
Vinyl chloride	4.2	ug/L	1.0	1		07/26/17 20:39	75-01-4		
Xylene (Total)	<2.0	ug/L	2.0	1		07/26/17 20:39	1330-20-7		
cis-1,2-Dichloroethene	105	ug/L	1.0	1		07/26/17 20:39	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 20:39	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		07/26/17 20:39	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		07/26/17 20:39	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/26/17 20:39	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 20:39	98-06-6		
trans-1,2-Dichloroethene	1.6	ug/L	1.0	1		07/26/17 20:39	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 20:39	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	93	%.	68-153	1		07/26/17 20:39	17060-07-0		
4-Bromofluorobenzene (S)	105	%.	79-124	1		07/26/17 20:39	460-00-4		
Toluene-d8 (S)	105	%.	69-124	1		07/26/17 20:39	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	607	mg/L	40.0	20		07/26/17 00:47	16887-00-6		
Sulfate	127	mg/L	100	20		07/26/17 00:47	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.15	mg/L	0.050	1		07/22/17 01:43	14797-55-8		
Nitrate-Nitrite (as N)	0.15	mg/L	0.050	1		07/22/17 01:43	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		07/21/17 22:57	14797-65-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-70D		Lab ID: 7024877009		Collected: 07/20/17 10:55		Received: 07/21/17 09:55		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							
Calcium	208000	ug/L	1000	1	07/25/17 10:41	07/25/17 22:35	7440-70-2	N3	
Hardness, Calcium	519000	ug/L	2500	1	07/25/17 10:41	07/25/17 22:35			
Hardness, Magnesium	211000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:35			
Magnesium	51300	ug/L	1000	1	07/25/17 10:41	07/25/17 22:35	7439-95-4		
Potassium	<5000	ug/L	5000	1	07/25/17 10:41	07/25/17 22:35	7440-09-7		
Sodium	279000	ug/L	5000	1	07/25/17 10:41	07/25/17 22:35	7440-23-5		
Total Hardness	731000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:35			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/27/17 12:53	630-20-6	c2	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/27/17 12:53	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/27/17 12:53	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/27/17 12:53	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/27/17 12:53	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/27/17 12:53	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 12:53	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/27/17 12:53	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/27/17 12:53	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/27/17 12:53	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/27/17 12:53	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 12:53	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 12:53	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 12:53	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/27/17 12:53	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		07/27/17 12:53	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		07/27/17 12:53	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		07/27/17 12:53	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		07/27/17 12:53	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/27/17 12:53	108-10-1		
Acetone	12.6	ug/L	5.0	1		07/27/17 12:53	67-64-1		
Benzene	<1.0	ug/L	1.0	1		07/27/17 12:53	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		07/27/17 12:53	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/27/17 12:53	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/27/17 12:53	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		07/27/17 12:53	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		07/27/17 12:53	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/27/17 12:53	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/27/17 12:53	75-00-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001
Pace Project No.: 7024877

Sample: MW-70D		Lab ID: 7024877009		Collected: 07/20/17 10:55		Received: 07/21/17 09:55		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		07/27/17 12:53	67-66-3		
Chloromethane	2.1	ug/L	1.0	1		07/27/17 12:53	74-87-3	CC	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/27/17 12:53	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		07/27/17 12:53	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/27/17 12:53	75-71-8	CC	
Ethylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/27/17 12:53	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		07/27/17 12:53	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		07/27/17 12:53	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/27/17 12:53	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		07/27/17 12:53	91-20-3		
Styrene	<1.0	ug/L	1.0	1		07/27/17 12:53	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/27/17 12:53	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/27/17 12:53	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		07/27/17 12:53	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/27/17 12:53	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/27/17 12:53	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		07/27/17 12:53	75-01-4	CC	
Xylene (Total)	<2.0	ug/L	2.0	1		07/27/17 12:53	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/27/17 12:53	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 12:53	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		07/27/17 12:53	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	104-51-8	L2	
n-Propylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		07/27/17 12:53	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/27/17 12:53	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 12:53	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/27/17 12:53	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 12:53	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	93	%.	68-153	1		07/27/17 12:53	17060-07-0		
4-Bromofluorobenzene (S)	103	%.	79-124	1		07/27/17 12:53	460-00-4		
Toluene-d8 (S)	100	%.	69-124	1		07/27/17 12:53	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	801	mg/L	40.0	20		07/26/17 01:14	16887-00-6		
Sulfate	49.8	mg/L	5.0	1		07/26/17 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		07/22/17 01:44	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/22/17 01:44	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		07/21/17 23:00	14797-65-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-70S		Lab ID: 7024877010		Collected: 07/20/17 11:00		Received: 07/21/17 09:55		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							
Calcium	275000	ug/L	1000	1	07/25/17 10:41	07/25/17 22:40	7440-70-2	N3	
Hardness, Calcium	686000	ug/L	2500	1	07/25/17 10:41	07/25/17 22:40			
Hardness, Magnesium	205000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:40			
Magnesium	49900	ug/L	1000	1	07/25/17 10:41	07/25/17 22:40	7439-95-4		
Potassium	15700	ug/L	5000	1	07/25/17 10:41	07/25/17 22:40	7440-09-7		
Sodium	113000	ug/L	5000	1	07/25/17 10:41	07/25/17 22:40	7440-23-5		
Total Hardness	892000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:40			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/26/17 21:20	630-20-6	c2	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/26/17 21:20	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/26/17 21:20	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/26/17 21:20	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/26/17 21:20	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/26/17 21:20	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 21:20	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 21:20	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/26/17 21:20	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 21:20	120-82-1		
1,2,4-Trimethylbenzene	155	ug/L	1.0	1		07/26/17 21:20	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/26/17 21:20	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/26/17 21:20	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 21:20	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/26/17 21:20	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 21:20	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		07/26/17 21:20	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 21:20	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 21:20	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/26/17 21:20	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		07/26/17 21:20	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/26/17 21:20	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		07/26/17 21:20	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		07/26/17 21:20	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		07/26/17 21:20	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		07/26/17 21:20	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/26/17 21:20	108-10-1		
Acetone	10.1	ug/L	5.0	1		07/26/17 21:20	67-64-1		
Benzene	69.0	ug/L	1.0	1		07/26/17 21:20	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		07/26/17 21:20	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		07/26/17 21:20	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/26/17 21:20	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/26/17 21:20	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		07/26/17 21:20	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		07/26/17 21:20	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/26/17 21:20	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/26/17 21:20	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/26/17 21:20	75-00-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: MW-70S		Lab ID: 7024877010		Collected: 07/20/17 11:00		Received: 07/21/17 09:55		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		07/26/17 21:20	67-66-3	CC	
Chloromethane	<1.0	ug/L	1.0	1		07/26/17 21:20	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		07/26/17 21:20	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		07/26/17 21:20	74-95-3	CC	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/26/17 21:20	75-71-8		
Ethylbenzene	<1.0	ug/L	1.0	1		07/26/17 21:20	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/26/17 21:20	87-68-3		
Isopropylbenzene (Cumene)	12.8	ug/L	1.0	1		07/26/17 21:20	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		07/26/17 21:20	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/26/17 21:20	75-09-2		
Naphthalene	1.2	ug/L	1.0	1		07/26/17 21:20	91-20-3		
Styrene	<1.0	ug/L	1.0	1		07/26/17 21:20	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/26/17 21:20	127-18-4		
Toluene	1.4	ug/L	1.0	1		07/26/17 21:20	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		07/26/17 21:20	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/26/17 21:20	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/26/17 21:20	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		07/26/17 21:20	75-01-4		
Xylene (Total)	5.5	ug/L	2.0	1		07/26/17 21:20	1330-20-7		
cis-1,2-Dichloroethene	5.0	ug/L	1.0	1		07/26/17 21:20	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 21:20	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		07/26/17 21:20	179601-23-1		
n-Butylbenzene	1.9	ug/L	1.0	1		07/26/17 21:20	104-51-8		
n-Propylbenzene	15.5	ug/L	1.0	1		07/26/17 21:20	103-65-1		
o-Xylene	4.4	ug/L	1.0	1		07/26/17 21:20	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/26/17 21:20	99-87-6		
sec-Butylbenzene	2.9	ug/L	1.0	1		07/26/17 21:20	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/26/17 21:20	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/26/17 21:20	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/26/17 21:20	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%.	68-153	1		07/26/17 21:20	17060-07-0		
4-Bromofluorobenzene (S)	99	%.	79-124	1		07/26/17 21:20	460-00-4		
Toluene-d8 (S)	100	%.	69-124	1		07/26/17 21:20	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	171	mg/L	20.0	10		07/26/17 02:09	16887-00-6		
Sulfate	385	mg/L	50.0	10		07/26/17 02:09	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		07/22/17 01:45	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/22/17 01:45	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		07/21/17 23:01	14797-65-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: DUP-X		Lab ID: 7024877011		Collected: 07/20/17 00:00		Received: 07/21/17 09:55		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							
Calcium	142000	ug/L	1000	1	07/25/17 10:41	07/25/17 22:46	7440-70-2	N3	
Hardness, Calcium	354000	ug/L	2500	1	07/25/17 10:41	07/25/17 22:46			
Hardness, Magnesium	69900	ug/L	4100	1	07/25/17 10:41	07/25/17 22:46			
Magnesium	17000	ug/L	1000	1	07/25/17 10:41	07/25/17 22:46	7439-95-4		
Potassium	<5000	ug/L	5000	1	07/25/17 10:41	07/25/17 22:46	7440-09-7		
Sodium	39100	ug/L	5000	1	07/25/17 10:41	07/25/17 22:46	7440-23-5		
Total Hardness	424000	ug/L	4100	1	07/25/17 10:41	07/25/17 22:46			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/27/17 14:56	630-20-6	c2	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/27/17 14:56	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/27/17 14:56	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/27/17 14:56	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/27/17 14:56	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/27/17 14:56	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 14:56	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/27/17 14:56	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/27/17 14:56	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/27/17 14:56	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/27/17 14:56	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 14:56	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 14:56	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 14:56	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/27/17 14:56	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		07/27/17 14:56	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		07/27/17 14:56	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		07/27/17 14:56	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		07/27/17 14:56	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/27/17 14:56	108-10-1		
Acetone	7.5	ug/L	5.0	1		07/27/17 14:56	67-64-1		
Benzene	<1.0	ug/L	1.0	1		07/27/17 14:56	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		07/27/17 14:56	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/27/17 14:56	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/27/17 14:56	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		07/27/17 14:56	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		07/27/17 14:56	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/27/17 14:56	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/27/17 14:56	75-00-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001
Pace Project No.: 7024877

Sample: DUP-X		Lab ID: 7024877011		Collected: 07/20/17 00:00		Received: 07/21/17 09:55		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		07/27/17 14:56	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/27/17 14:56	74-87-3	CC	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/27/17 14:56	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		07/27/17 14:56	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/27/17 14:56	75-71-8	CC	
Ethylbenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/27/17 14:56	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		07/27/17 14:56	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		07/27/17 14:56	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/27/17 14:56	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		07/27/17 14:56	91-20-3		
Styrene	<1.0	ug/L	1.0	1		07/27/17 14:56	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/27/17 14:56	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/27/17 14:56	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		07/27/17 14:56	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/27/17 14:56	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/27/17 14:56	108-05-4		
Vinyl chloride	1.9	ug/L	1.0	1		07/27/17 14:56	75-01-4	CC	
Xylene (Total)	<2.0	ug/L	2.0	1		07/27/17 14:56	1330-20-7		
cis-1,2-Dichloroethene	8.7	ug/L	1.0	1		07/27/17 14:56	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 14:56	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		07/27/17 14:56	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	104-51-8	L2	
n-Propylbenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		07/27/17 14:56	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/27/17 14:56	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 14:56	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/27/17 14:56	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 14:56	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%.	68-153	1		07/27/17 14:56	17060-07-0		
4-Bromofluorobenzene (S)	106	%.	79-124	1		07/27/17 14:56	460-00-4		
Toluene-d8 (S)	101	%.	69-124	1		07/27/17 14:56	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	59.4	mg/L	10.0	5		07/26/17 02:36	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		07/26/17 02:22	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		07/22/17 01:47	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/22/17 01:47	7727-37-9	H1	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		07/21/17 23:03	14797-65-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: TRIP BLANK		Lab ID: 7024877012		Collected: 07/20/17 00:00		Received: 07/21/17 09:55		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		07/27/17 13:13	630-20-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/27/17 13:13	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/27/17 13:13	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/27/17 13:13	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/27/17 13:13	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/27/17 13:13	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 13:13	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/27/17 13:13	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/27/17 13:13	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/27/17 13:13	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/27/17 13:13	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 13:13	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 13:13	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	106-46-7		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		07/27/17 13:13	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/27/17 13:13	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		07/27/17 13:13	110-75-8	c2	
2-Chlorotoluene	<1.0	ug/L	1.0	1		07/27/17 13:13	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		07/27/17 13:13	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		07/27/17 13:13	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/27/17 13:13	108-10-1		
Acetone	5.7	ug/L	5.0	1		07/27/17 13:13	67-64-1		
Benzene	<1.0	ug/L	1.0	1		07/27/17 13:13	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		07/27/17 13:13	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/27/17 13:13	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/27/17 13:13	75-25-2	IL	
Bromomethane	<1.0	ug/L	1.0	1		07/27/17 13:13	74-83-9	CC	
Carbon disulfide	<1.0	ug/L	1.0	1		07/27/17 13:13	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/27/17 13:13	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/27/17 13:13	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		07/27/17 13:13	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/27/17 13:13	74-87-3	CC	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/27/17 13:13	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		07/27/17 13:13	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/27/17 13:13	75-71-8	CC	
Ethylbenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/27/17 13:13	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		07/27/17 13:13	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		07/27/17 13:13	1634-04-4		

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7024877

Sample: TRIP BLANK		Lab ID: 7024877012		Collected: 07/20/17 00:00		Received: 07/21/17 09:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Methylene Chloride	<1.0	ug/L	1.0	1		07/27/17 13:13	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		07/27/17 13:13	91-20-3		
Styrene	<1.0	ug/L	1.0	1		07/27/17 13:13	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/27/17 13:13	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/27/17 13:13	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		07/27/17 13:13	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/27/17 13:13	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/27/17 13:13	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		07/27/17 13:13	75-01-4	CC	
Xylene (Total)	<2.0	ug/L	2.0	1		07/27/17 13:13	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/27/17 13:13	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 13:13	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		07/27/17 13:13	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	104-51-8	L2	
n-Propylbenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		07/27/17 13:13	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/27/17 13:13	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/27/17 13:13	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/27/17 13:13	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/27/17 13:13	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	97	%.	68-153	1		07/27/17 13:13	17060-07-0		
4-Bromofluorobenzene (S)	109	%.	79-124	1		07/27/17 13:13	460-00-4		
Toluene-d8 (S)	103	%.	69-124	1		07/27/17 13:13	2037-26-5		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

QC Batch: 32779 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7024877001, 7024877002, 7024877003, 7024877004, 7024877005, 7024877006, 7024877007, 7024877008, 7024877009, 7024877010, 7024877011

METHOD BLANK: 151764 Matrix: Water
Associated Lab Samples: 7024877001, 7024877002, 7024877003, 7024877004, 7024877005, 7024877006, 7024877007, 7024877008, 7024877009, 7024877010, 7024877011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium	ug/L	<1000	1000	07/25/17 20:56	
Hardness, Calcium	ug/L	<2500	2500	07/25/17 20:56	
Hardness, Magnesium	ug/L	<4100	4100	07/25/17 20:56	N3
Magnesium	ug/L	<1000	1000	07/25/17 20:56	
Potassium	ug/L	<5000	5000	07/25/17 20:56	
Sodium	ug/L	<5000	5000	07/25/17 20:56	
Total Hardness	ug/L	<4100	4100	07/25/17 20:56	

LABORATORY CONTROL SAMPLE: 151765

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	25000	25100	100	85-115	
Hardness, Calcium	ug/L		62600			
Hardness, Magnesium	ug/L		104000			N3
Magnesium	ug/L	25000	25200	101	85-115	
Potassium	ug/L	50000	49700	99	85-115	
Sodium	ug/L	50000	49300	99	85-115	
Total Hardness	ug/L		167000			

MATRIX SPIKE SAMPLE: 151767

Parameter	Units	7024877001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	228000	25000	250000	88	70-130	
Hardness, Calcium	ug/L	570000		625000			
Hardness, Magnesium	ug/L	203000		305000			N3
Magnesium	ug/L	49400	25000	74000	98	70-130	
Potassium	ug/L	<5000	50000	51800	94	70-130	
Sodium	ug/L	320000	50000	364000	88	70-130	
Total Hardness	ug/L	773000		930000			

MATRIX SPIKE SAMPLE: 151769

Parameter	Units	7024877002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	105000	25000	132000	106	70-130	
Hardness, Calcium	ug/L	262000		328000			

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

MATRIX SPIKE SAMPLE:		151769					
Parameter	Units	7024877002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Hardness, Magnesium	ug/L	59500		164000			N3
Magnesium	ug/L	14400	25000	39900	102	70-130	
Potassium	ug/L	6240	50000	52300	92	70-130	
Sodium	ug/L	28600	50000	77400	98	70-130	
Total Hardness	ug/L	322000		493000			

SAMPLE DUPLICATE: 151766

Parameter	Units	7024877001 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	228000	228000	0	
Hardness, Calcium	ug/L	570000	568000	0	
Hardness, Magnesium	ug/L	203000	203000	0	N3
Magnesium	ug/L	49400	49200	0	
Potassium	ug/L	<5000	<5000		
Sodium	ug/L	320000	314000	2	
Total Hardness	ug/L	773000	771000	0	

SAMPLE DUPLICATE: 151768

Parameter	Units	7024877002 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	105000	107000	2	
Hardness, Calcium	ug/L	262000	266000	2	
Hardness, Magnesium	ug/L	59500	60200	1	N3
Magnesium	ug/L	14400	14600	1	
Potassium	ug/L	6240	6290	1	
Sodium	ug/L	28600	27700	3	
Total Hardness	ug/L	322000	326000	1	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

QC Batch: 33071 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7024877002, 7024877003, 7024877004, 7024877005, 7024877007, 7024877008, 7024877010

METHOD BLANK: 153018 Matrix: Water
Associated Lab Samples: 7024877002, 7024877003, 7024877004, 7024877005, 7024877007, 7024877008, 7024877010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	07/26/17 11:32	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	07/26/17 11:32	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	07/26/17 11:32	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	07/26/17 11:32	
1,1-Dichloroethane	ug/L	<1.0	1.0	07/26/17 11:32	
1,1-Dichloroethene	ug/L	<1.0	1.0	07/26/17 11:32	
1,1-Dichloropropene	ug/L	<1.0	1.0	07/26/17 11:32	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	07/26/17 11:32	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	07/26/17 11:32	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	07/26/17 11:32	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	07/26/17 11:32	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	07/26/17 11:32	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	07/26/17 11:32	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	07/26/17 11:32	
1,2-Dichloroethane	ug/L	<1.0	1.0	07/26/17 11:32	
1,2-Dichloropropane	ug/L	<1.0	1.0	07/26/17 11:32	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	07/26/17 11:32	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	07/26/17 11:32	
1,3-Dichloropropane	ug/L	<1.0	1.0	07/26/17 11:32	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	07/26/17 11:32	
2,2-Dichloropropane	ug/L	<1.0	1.0	07/26/17 11:32	
2-Butanone (MEK)	ug/L	<5.0	5.0	07/26/17 11:32	
2-Chloroethylvinyl ether	ug/L	<1.0	1.0	07/26/17 11:32	
2-Chlorotoluene	ug/L	<1.0	1.0	07/26/17 11:32	
2-Hexanone	ug/L	<5.0	5.0	07/26/17 11:32	
4-Chlorotoluene	ug/L	<1.0	1.0	07/26/17 11:32	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	07/26/17 11:32	
Acetone	ug/L	<5.0	5.0	07/26/17 11:32	
Benzene	ug/L	<1.0	1.0	07/26/17 11:32	
Bromobenzene	ug/L	<1.0	1.0	07/26/17 11:32	
Bromochloromethane	ug/L	<1.0	1.0	07/26/17 11:32	
Bromodichloromethane	ug/L	<1.0	1.0	07/26/17 11:32	
Bromoform	ug/L	<1.0	1.0	07/26/17 11:32	IL
Bromomethane	ug/L	<1.0	1.0	07/26/17 11:32	CC
Carbon disulfide	ug/L	<1.0	1.0	07/26/17 11:32	
Carbon tetrachloride	ug/L	<1.0	1.0	07/26/17 11:32	
Chlorobenzene	ug/L	<1.0	1.0	07/26/17 11:32	
Chloroethane	ug/L	<1.0	1.0	07/26/17 11:32	
Chloroform	ug/L	<1.0	1.0	07/26/17 11:32	
Chloromethane	ug/L	<1.0	1.0	07/26/17 11:32	CC
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	07/26/17 11:32	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

METHOD BLANK: 153018

Matrix: Water

Associated Lab Samples: 7024877002, 7024877003, 7024877004, 7024877005, 7024877007, 7024877008, 7024877010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	07/26/17 11:32	CC
Dibromochloromethane	ug/L	<1.0	1.0	07/26/17 11:32	
Dibromomethane	ug/L	<1.0	1.0	07/26/17 11:32	
Dichlorodifluoromethane	ug/L	<1.0	1.0	07/26/17 11:32	
Ethylbenzene	ug/L	<1.0	1.0	07/26/17 11:32	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	07/26/17 11:32	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	07/26/17 11:32	
m&p-Xylene	ug/L	<2.0	2.0	07/26/17 11:32	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	07/26/17 11:32	
Methylene Chloride	ug/L	<1.0	1.0	07/26/17 11:32	
n-Butylbenzene	ug/L	<1.0	1.0	07/26/17 11:32	
n-Propylbenzene	ug/L	<1.0	1.0	07/26/17 11:32	
Naphthalene	ug/L	<1.0	1.0	07/26/17 11:32	
o-Xylene	ug/L	<1.0	1.0	07/26/17 11:32	
p-Isopropyltoluene	ug/L	<1.0	1.0	07/26/17 11:32	
sec-Butylbenzene	ug/L	<1.0	1.0	07/26/17 11:32	
Styrene	ug/L	<1.0	1.0	07/26/17 11:32	
tert-Butylbenzene	ug/L	<1.0	1.0	07/26/17 11:32	
Tetrachloroethene	ug/L	<1.0	1.0	07/26/17 11:32	
Toluene	ug/L	<1.0	1.0	07/26/17 11:32	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	07/26/17 11:32	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	07/26/17 11:32	
Trichloroethene	ug/L	<1.0	1.0	07/26/17 11:32	
Trichlorofluoromethane	ug/L	<1.0	1.0	07/26/17 11:32	
Vinyl acetate	ug/L	<1.0	1.0	07/26/17 11:32	
Vinyl chloride	ug/L	<1.0	1.0	07/26/17 11:32	
Xylene (Total)	ug/L	<2.0	2.0	07/26/17 11:32	
1,2-Dichloroethane-d4 (S)	%	96	68-153	07/26/17 11:32	
4-Bromofluorobenzene (S)	%	102	79-124	07/26/17 11:32	
Toluene-d8 (S)	%	99	69-124	07/26/17 11:32	

LABORATORY CONTROL SAMPLE: 153019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.2	98	74-113	
1,1,1-Trichloroethane	ug/L	50	47.0	94	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	52.3	105	74-121	
1,1,2-Trichloroethane	ug/L	50	52.5	105	80-117	
1,1-Dichloroethane	ug/L	50	49.3	99	83-151	
1,1-Dichloroethene	ug/L	50	44.7	89	45-146	
1,1-Dichloropropene	ug/L	50	45.6	91	59-127	
1,2,3-Trichlorobenzene	ug/L	50	51.2	102	67-103	
1,2,3-Trichloropropane	ug/L	50	52.1	104	71-123	
1,2,4-Trichlorobenzene	ug/L	50	51.5	103	66-116	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

LABORATORY CONTROL SAMPLE: 153019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	52.4	105	68-116	
1,2-Dibromo-3-chloropropane	ug/L	50	51.2	102	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	52.6	105	83-115	
1,2-Dichlorobenzene	ug/L	50	50.9	102	74-113	
1,2-Dichloroethane	ug/L	50	50.1	100	74-129	
1,2-Dichloropropane	ug/L	50	51.4	103	75-117	
1,3,5-Trimethylbenzene	ug/L	50	51.7	103	67-116	
1,3-Dichlorobenzene	ug/L	50	52.2	104	71-112	
1,3-Dichloropropane	ug/L	50	48.9	98	74-112	
1,4-Dichlorobenzene	ug/L	50	50.7	101	71-113	
2,2-Dichloropropane	ug/L	50	49.1	98	63-133	
2-Butanone (MEK)	ug/L	50	51.7	103	44-162	
2-Chloroethylvinyl ether	ug/L	50	50.9	102	76-121	
2-Chlorotoluene	ug/L	50	49.6	99	74-101	
2-Hexanone	ug/L	50	51.8	104	32-183	
4-Chlorotoluene	ug/L	50	52.4	105	74-101	L1
4-Methyl-2-pentanone (MIBK)	ug/L	50	55.1	110	69-132	
Acetone	ug/L	50	51.6	103	23-188	
Benzene	ug/L	50	50.4	101	73-119	
Bromobenzene	ug/L	50	50.9	102	72-102	
Bromochloromethane	ug/L	50	48.0	96	81-116	
Bromodichloromethane	ug/L	50	51.6	103	78-117	
Bromoform	ug/L	50	40.7	81	65-122	IL
Bromomethane	ug/L	50	39.0	78	52-147	CC
Carbon disulfide	ug/L	50	45.6	91	41-144	
Carbon tetrachloride	ug/L	50	49.2	98	59-120	
Chlorobenzene	ug/L	50	47.5	95	75-113	
Chloroethane	ug/L	50	45.0	90	49-151	
Chloroform	ug/L	50	48.5	97	72-122	
Chloromethane	ug/L	50	37.8	76	46-144	CC
cis-1,2-Dichloroethene	ug/L	50	52.7	105	72-121	
cis-1,3-Dichloropropene	ug/L	50	53.5	107	78-116	
Dibromochloromethane	ug/L	50	49.6	99	70-120	
Dibromomethane	ug/L	50	50.1	100	75-125	
Dichlorodifluoromethane	ug/L	50	29.8	60	22-154	CC
Ethylbenzene	ug/L	50	49.9	100	70-113	
Hexachloro-1,3-butadiene	ug/L	50	51.0	102	59-121	
Isopropylbenzene (Cumene)	ug/L	50	53.1	106	67-115	
m&p-Xylene	ug/L	100	94.6	95	72-115	
Methyl-tert-butyl ether	ug/L	50	50.6	101	72-131	
Methylene Chloride	ug/L	50	48.8	98	61-142	
n-Butylbenzene	ug/L	50	51.2	102	73-107	
n-Propylbenzene	ug/L	50	51.7	103	68-116	
Naphthalene	ug/L	50	49.0	98	70-118	
o-Xylene	ug/L	50	50.4	101	73-117	
p-Isopropyltoluene	ug/L	50	49.3	99	73-101	
sec-Butylbenzene	ug/L	50	51.0	102	72-103	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

LABORATORY CONTROL SAMPLE: 153019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/L	50	47.9	96	72-118	
tert-Butylbenzene	ug/L	50	47.9	96	68-100	
Tetrachloroethene	ug/L	50	50.3	101	60-128	
Toluene	ug/L	50	52.1	104	72-119	
trans-1,2-Dichloroethene	ug/L	50	48.4	97	56-142	
trans-1,3-Dichloropropene	ug/L	50	52.5	105	79-116	
Trichloroethene	ug/L	50	50.6	101	69-117	
Trichlorofluoromethane	ug/L	50	44.7	89	27-173	
Vinyl acetate	ug/L	50	52.4	105	20-158	
Vinyl chloride	ug/L	50	43.5	87	43-143	
Xylene (Total)	ug/L	150	145	97	71-109	
1,2-Dichloroethane-d4 (S)	%			106	68-153	
4-Bromofluorobenzene (S)	%			99	79-124	
Toluene-d8 (S)	%			96	69-124	

MATRIX SPIKE SAMPLE: 153021

Parameter	Units	7024641008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	49.2	98	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	46.9	94	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	45.6	91	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	48.6	97	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	50.6	101	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	46.9	94	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	46.1	92	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	45.6	91	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	46.6	93	66-116	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	48.5	97	68-116	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	46.5	93	74-119	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	49.5	99	83-115	
1,2-Dichlorobenzene	ug/L	<1.0	50	47.1	94	74-113	
1,2-Dichloroethane	ug/L	<1.0	50	49.5	99	74-129	
1,2-Dichloropropane	ug/L	1.0	50	49.6	97	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	46.8	94	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	48.5	97	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	48.1	96	74-112	
1,4-Dichlorobenzene	ug/L	<1.0	50	46.6	93	71-113	
2,2-Dichloropropane	ug/L	<1.0	50	48.7	97	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	43.0	86	44-162	
2-Chloroethylvinyl ether	ug/L	<1.0	50	<1.0	0	76-121	M1
2-Chlorotoluene	ug/L	<1.0	50	44.9	90	74-101	
2-Hexanone	ug/L	<5.0	50	47.5	95	32-183	
4-Chlorotoluene	ug/L	<1.0	50	48.4	97	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	48.5	97	69-132	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

MATRIX SPIKE SAMPLE:		153021					
Parameter	Units	7024641008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	<5.0	50	45.7	91	23-188	
Benzene	ug/L	<1.0	50	47.7	95	73-119	
Bromobenzene	ug/L	<1.0	50	48.4	97	72-102	
Bromochloromethane	ug/L	<1.0	50	47.8	96	81-116	
Bromodichloromethane	ug/L	<1.0	50	47.1	94	78-117	
Bromoform	ug/L	<1.0	50	50.8	102	65-122	IL
Bromomethane	ug/L	<1.0	50	27.1	54	52-147	CC
Carbon disulfide	ug/L	<1.0	50	50.2	100	41-144	
Carbon tetrachloride	ug/L	<1.0	50	50.6	101	59-120	
Chlorobenzene	ug/L	<1.0	50	48.2	96	75-113	
Chloroethane	ug/L	<1.0	50	42.7	85	49-151	
Chloroform	ug/L	1.6	50	50.4	98	72-122	
Chloromethane	ug/L	<1.0	50	33.0	66	46-144	CC
cis-1,2-Dichloroethene	ug/L	<1.0	50	51.7	103	72-121	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50.5	101	78-116	
Dibromochloromethane	ug/L	<1.0	50	49.0	98	70-120	
Dibromomethane	ug/L	<1.0	50	45.9	92	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	28.4	57	22-154	CC
Ethylbenzene	ug/L	<1.0	50	51.9	104	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	46.4	93	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	49.0	98	67-115	
m&p-Xylene	ug/L	<2.0	100	103	103	72-115	
Methyl-tert-butyl ether	ug/L	<1.0	50	49.2	98	72-131	
Methylene Chloride	ug/L	<1.0	50	47.4	95	61-142	
n-Butylbenzene	ug/L	<1.0	50	47.7	95	73-107	
n-Propylbenzene	ug/L	<1.0	50	48.9	98	68-116	
Naphthalene	ug/L	<1.0	50	43.5	87	70-118	
o-Xylene	ug/L	<1.0	50	50.8	102	73-117	
p-Isopropyltoluene	ug/L	<1.0	50	46.8	94	73-101	
sec-Butylbenzene	ug/L	<1.0	50	49.6	99	72-103	
Styrene	ug/L	<1.0	50	49.3	99	72-118	
tert-Butylbenzene	ug/L	<1.0	50	48.6	97	68-100	
Tetrachloroethene	ug/L	1.1	50	50.4	99	60-128	
Toluene	ug/L	<1.0	50	50.9	102	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	49.8	100	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	48.8	98	79-116	
Trichloroethene	ug/L	<1.0	50	49.7	99	69-117	
Trichlorofluoromethane	ug/L	<1.0	50	46.5	93	27-173	
Vinyl acetate	ug/L	<1.0	50	42.7	85	20-158	
Vinyl chloride	ug/L	<1.0	50	42.6	85	43-143	
Xylene (Total)	ug/L	<2.0	150	153	102	71-109	
1,2-Dichloroethane-d4 (S)	%				93	68-153	
4-Bromofluorobenzene (S)	%				101	79-124	
Toluene-d8 (S)	%				101	69-124	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

SAMPLE DUPLICATE: 153020

Parameter	Units	7024641004 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	5.0	4.5	10	
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	2.5	1.5	54	D6
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	5.0J	<5.0		
2-Chloroethylvinyl ether	ug/L	<1.0	<1.0		
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	9.0	9.6	6	
Benzene	ug/L	51.3	48.3	6	
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		IL
Bromomethane	ug/L	<1.0	<1.0		CC
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		CC
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		CC
Ethylbenzene	ug/L	6.6	6.2	6	
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

SAMPLE DUPLICATE: 153020

Parameter	Units	7024641004 Result	Dup Result	RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
m&p-Xylene	ug/L	21.0	19.2	9	
Methyl-tert-butyl ether	ug/L	4.4	4.0	11	
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	1.4	1.1	22	D6
o-Xylene	ug/L	8.8	8.3	6	
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	158	147	7	
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	29.8	27.5	8	
1,2-Dichloroethane-d4 (S)	%.	95	101	6	
4-Bromofluorobenzene (S)	%.	102	104	3	
Toluene-d8 (S)	%.	97	99	2	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

QC Batch: 33162 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7024877001, 7024877006, 7024877009, 7024877011, 7024877012

METHOD BLANK: 153393 Matrix: Water
Associated Lab Samples: 7024877001, 7024877006, 7024877009, 7024877011, 7024877012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	07/27/17 11:31	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	07/27/17 11:31	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	07/27/17 11:31	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	07/27/17 11:31	
1,1-Dichloroethane	ug/L	<1.0	1.0	07/27/17 11:31	
1,1-Dichloroethene	ug/L	<1.0	1.0	07/27/17 11:31	
1,1-Dichloropropene	ug/L	<1.0	1.0	07/27/17 11:31	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	07/27/17 11:31	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	07/27/17 11:31	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	07/27/17 11:31	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	07/27/17 11:31	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	07/27/17 11:31	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	07/27/17 11:31	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	07/27/17 11:31	
1,2-Dichloroethane	ug/L	<1.0	1.0	07/27/17 11:31	
1,2-Dichloropropane	ug/L	<1.0	1.0	07/27/17 11:31	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	07/27/17 11:31	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	07/27/17 11:31	
1,3-Dichloropropane	ug/L	<1.0	1.0	07/27/17 11:31	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	07/27/17 11:31	
2,2-Dichloropropane	ug/L	<1.0	1.0	07/27/17 11:31	
2-Butanone (MEK)	ug/L	<5.0	5.0	07/27/17 11:31	
2-Chloroethylvinyl ether	ug/L	<1.0	1.0	07/27/17 11:31	
2-Chlorotoluene	ug/L	<1.0	1.0	07/27/17 11:31	
2-Hexanone	ug/L	<5.0	5.0	07/27/17 11:31	
4-Chlorotoluene	ug/L	<1.0	1.0	07/27/17 11:31	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	07/27/17 11:31	
Acetone	ug/L	<5.0	5.0	07/27/17 11:31	
Benzene	ug/L	<1.0	1.0	07/27/17 11:31	
Bromobenzene	ug/L	<1.0	1.0	07/27/17 11:31	
Bromochloromethane	ug/L	<1.0	1.0	07/27/17 11:31	
Bromodichloromethane	ug/L	<1.0	1.0	07/27/17 11:31	
Bromoform	ug/L	<1.0	1.0	07/27/17 11:31	IL
Bromomethane	ug/L	<1.0	1.0	07/27/17 11:31	CC
Carbon disulfide	ug/L	<1.0	1.0	07/27/17 11:31	
Carbon tetrachloride	ug/L	<1.0	1.0	07/27/17 11:31	
Chlorobenzene	ug/L	<1.0	1.0	07/27/17 11:31	
Chloroethane	ug/L	<1.0	1.0	07/27/17 11:31	
Chloroform	ug/L	<1.0	1.0	07/27/17 11:31	
Chloromethane	ug/L	<1.0	1.0	07/27/17 11:31	CC
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	07/27/17 11:31	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

METHOD BLANK: 153393

Matrix: Water

Associated Lab Samples: 7024877001, 7024877006, 7024877009, 7024877011, 7024877012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	07/27/17 11:31	
Dibromochloromethane	ug/L	<1.0	1.0	07/27/17 11:31	
Dibromomethane	ug/L	<1.0	1.0	07/27/17 11:31	
Dichlorodifluoromethane	ug/L	<1.0	1.0	07/27/17 11:31	CC
Ethylbenzene	ug/L	<1.0	1.0	07/27/17 11:31	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	07/27/17 11:31	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	07/27/17 11:31	
m&p-Xylene	ug/L	<2.0	2.0	07/27/17 11:31	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	07/27/17 11:31	
Methylene Chloride	ug/L	<1.0	1.0	07/27/17 11:31	
n-Butylbenzene	ug/L	<1.0	1.0	07/27/17 11:31	
n-Propylbenzene	ug/L	<1.0	1.0	07/27/17 11:31	
Naphthalene	ug/L	<1.0	1.0	07/27/17 11:31	
o-Xylene	ug/L	<1.0	1.0	07/27/17 11:31	
p-Isopropyltoluene	ug/L	<1.0	1.0	07/27/17 11:31	
sec-Butylbenzene	ug/L	<1.0	1.0	07/27/17 11:31	
Styrene	ug/L	<1.0	1.0	07/27/17 11:31	
tert-Butylbenzene	ug/L	<1.0	1.0	07/27/17 11:31	
Tetrachloroethene	ug/L	<1.0	1.0	07/27/17 11:31	
Toluene	ug/L	<1.0	1.0	07/27/17 11:31	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	07/27/17 11:31	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	07/27/17 11:31	
Trichloroethene	ug/L	<1.0	1.0	07/27/17 11:31	
Trichlorofluoromethane	ug/L	<1.0	1.0	07/27/17 11:31	
Vinyl acetate	ug/L	<1.0	1.0	07/27/17 11:31	
Vinyl chloride	ug/L	<1.0	1.0	07/27/17 11:31	CC
Xylene (Total)	ug/L	<2.0	2.0	07/27/17 11:31	
1,2-Dichloroethane-d4 (S)	%	94	68-153	07/27/17 11:31	
4-Bromofluorobenzene (S)	%	100	79-124	07/27/17 11:31	
Toluene-d8 (S)	%	101	69-124	07/27/17 11:31	

LABORATORY CONTROL SAMPLE: 153394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.0	100	74-113	
1,1,1-Trichloroethane	ug/L	50	45.5	91	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	49.0	98	74-121	
1,1,2-Trichloroethane	ug/L	50	49.1	98	80-117	
1,1-Dichloroethane	ug/L	50	50.3	101	83-151	
1,1-Dichloroethene	ug/L	50	45.3	91	45-146	
1,1-Dichloropropene	ug/L	50	43.3	87	59-127	
1,2,3-Trichlorobenzene	ug/L	50	48.0	96	67-103	
1,2,3-Trichloropropane	ug/L	50	49.5	99	71-123	
1,2,4-Trichlorobenzene	ug/L	50	48.4	97	66-116	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

LABORATORY CONTROL SAMPLE: 153394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	48.5	97	68-116	
1,2-Dibromo-3-chloropropane	ug/L	50	49.7	99	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	48.5	97	83-115	
1,2-Dichlorobenzene	ug/L	50	48.0	96	74-113	
1,2-Dichloroethane	ug/L	50	50.2	100	74-129	
1,2-Dichloropropane	ug/L	50	49.2	98	75-117	
1,3,5-Trimethylbenzene	ug/L	50	46.5	93	67-116	
1,3-Dichlorobenzene	ug/L	50	49.5	99	71-112	
1,3-Dichloropropane	ug/L	50	49.8	100	74-112	
1,4-Dichlorobenzene	ug/L	50	46.5	93	71-113	
2,2-Dichloropropane	ug/L	50	48.8	98	63-133	
2-Butanone (MEK)	ug/L	50	50.7	101	44-162	
2-Chloroethylvinyl ether	ug/L	50	45.7	91	76-121	
2-Chlorotoluene	ug/L	50	44.8	90	74-101	
2-Hexanone	ug/L	50	49.8	100	32-183	
4-Chlorotoluene	ug/L	50	49.2	98	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	49.5	99	69-132	
Acetone	ug/L	50	47.0	94	23-188	
Benzene	ug/L	50	47.5	95	73-119	
Bromobenzene	ug/L	50	48.3	97	72-102	
Bromochloromethane	ug/L	50	49.4	99	81-116	
Bromodichloromethane	ug/L	50	47.5	95	78-117	
Bromoform	ug/L	50	52.3	105	65-122	IL
Bromomethane	ug/L	50	34.8	70	52-147	CC
Carbon disulfide	ug/L	50	46.8	94	41-144	
Carbon tetrachloride	ug/L	50	44.3	89	59-120	
Chlorobenzene	ug/L	50	47.7	95	75-113	
Chloroethane	ug/L	50	43.4	87	49-151	
Chloroform	ug/L	50	49.7	99	72-122	
Chloromethane	ug/L	50	32.0	64	46-144	CC
cis-1,2-Dichloroethene	ug/L	50	51.6	103	72-121	
cis-1,3-Dichloropropene	ug/L	50	50.3	101	78-116	
Dibromochloromethane	ug/L	50	49.7	99	70-120	
Dibromomethane	ug/L	50	47.3	95	75-125	
Dichlorodifluoromethane	ug/L	50	26.0	52	22-154	CC
Ethylbenzene	ug/L	50	51.1	102	70-113	
Hexachloro-1,3-butadiene	ug/L	50	47.0	94	59-121	
Isopropylbenzene (Cumene)	ug/L	50	49.6	99	67-115	
m&p-Xylene	ug/L	100	100	100	72-115	
Methyl-tert-butyl ether	ug/L	50	50.0	100	72-131	
Methylene Chloride	ug/L	50	50.8	102	61-142	
n-Butylbenzene	ug/L	50	29.0	58	73-107	L2
n-Propylbenzene	ug/L	50	49.0	98	68-116	
Naphthalene	ug/L	50	48.1	96	70-118	
o-Xylene	ug/L	50	50.0	100	73-117	
p-Isopropyltoluene	ug/L	50	47.3	95	73-101	
sec-Butylbenzene	ug/L	50	48.9	98	72-103	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

LABORATORY CONTROL SAMPLE: 153394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/L	50	48.4	97	72-118	
tert-Butylbenzene	ug/L	50	46.1	92	68-100	
Tetrachloroethene	ug/L	50	49.7	99	60-128	
Toluene	ug/L	50	48.8	98	72-119	
trans-1,2-Dichloroethene	ug/L	50	48.8	98	56-142	
trans-1,3-Dichloropropene	ug/L	50	50.2	100	79-116	
Trichloroethene	ug/L	50	47.2	94	69-117	
Trichlorofluoromethane	ug/L	50	43.2	86	27-173	
Vinyl acetate	ug/L	50	61.8	124	20-158	
Vinyl chloride	ug/L	50	40.6	81	43-143	CC
Xylene (Total)	ug/L	150	150	100	71-109	
1,2-Dichloroethane-d4 (S)	%			91	68-153	
4-Bromofluorobenzene (S)	%			105	79-124	
Toluene-d8 (S)	%			99	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 153395 153396

Parameter	Units	7024877001 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	44.1	48.2	88	96	74-113	9	
1,1,1-Trichloroethane	ug/L	<1.0	50	50	48.8	49.6	98	99	65-118	2	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	45.1	48.4	90	97	74-121	7	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	49.4	55.4	99	111	80-117	12	
1,1-Dichloroethane	ug/L	<1.0	50	50	49.1	52.3	98	105	83-151	6	
1,1-Dichloroethene	ug/L	1.0	50	50	46.3	51.4	91	101	45-146	10	
1,1-Dichloropropene	ug/L	<1.0	50	50	46.3	47.4	93	95	59-127	2	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	44.5	48.0	89	96	67-103	8	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	47.8	48.6	96	97	71-123	2	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	45.8	48.3	92	97	66-116	5	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50	48.8	49.7	98	99	68-116	2	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	47.5	51.7	95	103	74-119	8	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	47.9	50.0	96	100	83-115	4	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	45.6	48.2	91	96	74-113	6	
1,2-Dichloroethane	ug/L	<1.0	50	50	50.0	51.1	100	102	74-129	2	
1,2-Dichloropropane	ug/L	<1.0	50	50	47.7	49.3	95	99	75-117	3	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50	44.3	46.5	89	93	67-116	5	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	47.4	49.6	95	99	71-112	5	
1,3-Dichloropropane	ug/L	<1.0	50	50	45.3	47.2	91	94	74-112	4	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	45.5	46.8	91	94	71-113	3	
2,2-Dichloropropane	ug/L	<1.0	50	50	54.7	54.1	109	108	63-133	1	
2-Butanone (MEK)	ug/L	<5.0	50	50	44.2	44.8	88	90	44-162	1	
2-Chloroethylvinyl ether	ug/L	<1.0	50	50	1.1	1.0	2	2	76-121	9	M1
2-Chlorotoluene	ug/L	<1.0	50	50	43.1	50.7	86	101	74-101	16	
2-Hexanone	ug/L	<5.0	50	50	44.0	46.1	88	92	32-183	5	
4-Chlorotoluene	ug/L	<1.0	50	50	47.3	50.0	95	100	74-101	6	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 153395 153396											
Parameter	Units	7024877001		MS	MSD	MS		MSD	% Rec		Qual
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	50	48.4	47.9	97	96	69-132	1
Acetone	ug/L	10.7	50	50	50	45.2	46.5	69	72	23-188	3
Benzene	ug/L	<1.0	50	50	50	48.7	50.4	97	101	73-119	3
Bromobenzene	ug/L	<1.0	50	50	50	46.6	48.5	93	97	72-102	4
Bromochloromethane	ug/L	<1.0	50	50	50	42.8	48.4	86	97	81-116	12
Bromodichloromethane	ug/L	<1.0	50	50	50	48.5	50.6	97	101	78-117	4
Bromoform	ug/L	<1.0	50	50	50	48.1	45.9	96	92	65-122	5 IL
Bromomethane	ug/L	<1.0	50	50	50	35.4	39.0	71	78	52-147	10 CC
Carbon disulfide	ug/L	<1.0	50	50	50	49.5	53.1	99	106	41-144	7
Carbon tetrachloride	ug/L	<1.0	50	50	50	50.6	51.7	101	103	59-120	2
Chlorobenzene	ug/L	<1.0	50	50	50	44.0	47.7	88	95	75-113	8
Chloroethane	ug/L	<1.0	50	50	50	44.6	46.9	89	94	49-151	5
Chloroform	ug/L	<1.0	50	50	50	47.9	49.8	96	100	72-122	4
Chloromethane	ug/L	<1.0	50	50	50	35.0	39.5	70	79	46-144	12 CC
cis-1,2-Dichloroethene	ug/L	410	50	50	50	422	428	24	36	72-121	1
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	50	50.9	52.9	102	106	78-116	4
Dibromochloromethane	ug/L	<1.0	50	50	50	43.2	49.0	86	98	70-120	13
Dibromomethane	ug/L	<1.0	50	50	50	45.4	47.3	91	95	75-125	4
Dichlorodifluoromethane	ug/L	<1.0	50	50	50	35.3	34.5	71	69	22-154	2 CC
Ethylbenzene	ug/L	<1.0	50	50	50	47.0	50.5	94	101	70-113	7
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	50	49.8	50.4	100	101	59-121	1
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	50	49.2	51.1	98	102	67-115	4
m&p-Xylene	ug/L	<2.0	100	100	100	92.9	99.3	93	99	72-115	7
Methyl-tert-butyl ether	ug/L	<1.0	50	50	50	49.2	49.4	98	99	72-131	0
Methylene Chloride	ug/L	<1.0	50	50	50	47.3	49.6	95	99	61-142	5
n-Butylbenzene	ug/L	<1.0	50	50	50	29.4	29.9	59	60	73-107	2 M0
n-Propylbenzene	ug/L	<1.0	50	50	50	48.6	52.2	97	104	68-116	7
Naphthalene	ug/L	<1.0	50	50	50	45.8	46.5	92	93	70-118	1
o-Xylene	ug/L	<1.0	50	50	50	44.9	49.3	90	99	73-117	9
p-Isopropyltoluene	ug/L	<1.0	50	50	50	47.7	48.3	95	97	73-101	1
sec-Butylbenzene	ug/L	<1.0	50	50	50	48.8	51.5	98	103	72-103	5
Styrene	ug/L	<1.0	50	50	50	44.0	47.6	88	95	72-118	8
tert-Butylbenzene	ug/L	<1.0	50	50	50	47.6	48.0	95	96	68-100	1
Tetrachloroethene	ug/L	173	50	50	50	186	198	26	50	60-128	6 M1
Toluene	ug/L	<1.0	50	50	50	49.1	52.1	98	104	72-119	6
trans-1,2-Dichloroethene	ug/L	2.6	50	50	50	51.2	52.8	97	100	56-142	3
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	50	49.9	52.5	100	105	79-116	5
Trichloroethene	ug/L	106	50	50	50	148	145	82	78	69-117	2
Trichlorofluoromethane	ug/L	<1.0	50	50	50	48.0	49.6	96	99	27-173	3
Vinyl acetate	ug/L	<1.0	50	50	50	46.9	45.5	94	91	20-158	3
Vinyl chloride	ug/L	54.9	50	50	50	96.1	97.6	82	85	43-143	2 CC
Xylene (Total)	ug/L	<2.0	150	150	150	138	149	92	99	71-109	8
1,2-Dichloroethane-d4 (S)	%							102	99	68-153	
4-Bromofluorobenzene (S)	%							100	101	79-124	
Toluene-d8 (S)	%							97	98	69-124	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

QC Batch:	32842	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
Associated Lab Samples:	7024877001, 7024877002, 7024877003, 7024877004, 7024877005, 7024877006, 7024877007, 7024877008, 7024877009, 7024877010, 7024877011		

METHOD BLANK: 152090 Matrix: Water
Associated Lab Samples: 7024877001, 7024877002, 7024877003, 7024877004, 7024877005, 7024877006, 7024877007, 7024877008, 7024877009, 7024877010, 7024877011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	07/25/17 18:02	
Sulfate	mg/L	<5.0	5.0	07/25/17 18:02	

LABORATORY CONTROL SAMPLE: 152091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.0	100	90-110	
Sulfate	mg/L	10	9.6	96	90-110	

MATRIX SPIKE SAMPLE: 152092

Parameter	Units	7024877001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	993	500	1470	96	80-120	
Sulfate	mg/L	77.5	100	180	103	80-120	

MATRIX SPIKE SAMPLE: 152094

Parameter	Units	7024487001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	16.2	10	29.6	134	80-120	M1
Sulfate	mg/L	11.5	10	22.1	105	80-120	

SAMPLE DUPLICATE: 152093

Parameter	Units	7024877001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	993	979	1	
Sulfate	mg/L	77.5	74.1	5	

SAMPLE DUPLICATE: 152095

Parameter	Units	7024487001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	16.2	16.2	0	
Sulfate	mg/L	11.5	11.5	0	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

QC Batch:	32517	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
Associated Lab Samples:	7024877001, 7024877002, 7024877003, 7024877004, 7024877005, 7024877006, 7024877007, 7024877008, 7024877009, 7024877010, 7024877011		

METHOD BLANK:	150518	Matrix:	Water
Associated Lab Samples:	7024877001, 7024877002, 7024877003, 7024877004, 7024877005, 7024877006, 7024877007, 7024877008, 7024877009, 7024877010, 7024877011		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	07/21/17 22:44	

LABORATORY CONTROL SAMPLE: 150519

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: 150524

Parameter	Units	7024956001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.53	106	90-110	

MATRIX SPIKE SAMPLE: 150534

Parameter	Units	7024877001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.52	103	90-110	

SAMPLE DUPLICATE: 150525

Parameter	Units	7024956001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 150535

Parameter	Units	7024877001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7024877

QC Batch:	32526	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate, Unpres.
Associated Lab Samples:	7024877001, 7024877002, 7024877003, 7024877004, 7024877005, 7024877006, 7024877007, 7024877008, 7024877009, 7024877010, 7024877011		

METHOD BLANK:	150542	Matrix:	Water
Associated Lab Samples:	7024877001, 7024877002, 7024877003, 7024877004, 7024877005, 7024877006, 7024877007, 7024877008, 7024877009, 7024877010, 7024877011		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	07/22/17 01:26	

LABORATORY CONTROL SAMPLE: 150543

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: 150544

Parameter	Units	7024877001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.19	.5	0.54	69	90-110	M1

MATRIX SPIKE SAMPLE: 150546

Parameter	Units	7024956001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.75	.5	1.2	94	90-110	

SAMPLE DUPLICATE: 150545

Parameter	Units	7024877001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.19	0.19	0	

SAMPLE DUPLICATE: 150547

Parameter	Units	7024956001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.75	0.75	0	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Alco 1368.001.001
Pace Project No.: 7024877

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.

ANALYTE QUALIFIERS

CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
IL	This analyte exceeded secondary source verification criteria low 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.
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.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.
c2	Acid preservation may not be appropriate for the analysis of 2-Chloroethylvinyl ether.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Alco 1368.001.001

Pace Project No.: 7024877

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7024877001	MW-6S	EPA 200.7	32779	EPA 200.7	32788
7024877002	MW-64S	EPA 200.7	32779	EPA 200.7	32788
7024877003	MW-64D	EPA 200.7	32779	EPA 200.7	32788
7024877004	MW-62	EPA 200.7	32779	EPA 200.7	32788
7024877005	MW-67	EPA 200.7	32779	EPA 200.7	32788
7024877006	MW-68	EPA 200.7	32779	EPA 200.7	32788
7024877007	MW-46	EPA 200.7	32779	EPA 200.7	32788
7024877008	MW-19	EPA 200.7	32779	EPA 200.7	32788
7024877009	MW-70D	EPA 200.7	32779	EPA 200.7	32788
7024877010	MW-70S	EPA 200.7	32779	EPA 200.7	32788
7024877011	DUP-X	EPA 200.7	32779	EPA 200.7	32788
7024877001	MW-6S	EPA 8260C/5030C	33162		
7024877002	MW-64S	EPA 8260C/5030C	33071		
7024877003	MW-64D	EPA 8260C/5030C	33071		
7024877004	MW-62	EPA 8260C/5030C	33071		
7024877005	MW-67	EPA 8260C/5030C	33071		
7024877006	MW-68	EPA 8260C/5030C	33162		
7024877007	MW-46	EPA 8260C/5030C	33071		
7024877008	MW-19	EPA 8260C/5030C	33071		
7024877009	MW-70D	EPA 8260C/5030C	33162		
7024877010	MW-70S	EPA 8260C/5030C	33071		
7024877011	DUP-X	EPA 8260C/5030C	33162		
7024877012	TRIP BLANK	EPA 8260C/5030C	33162		
7024877001	MW-6S	EPA 300.0	32842		
7024877002	MW-64S	EPA 300.0	32842		
7024877003	MW-64D	EPA 300.0	32842		
7024877004	MW-62	EPA 300.0	32842		
7024877005	MW-67	EPA 300.0	32842		
7024877006	MW-68	EPA 300.0	32842		
7024877007	MW-46	EPA 300.0	32842		
7024877008	MW-19	EPA 300.0	32842		
7024877009	MW-70D	EPA 300.0	32842		
7024877010	MW-70S	EPA 300.0	32842		
7024877011	DUP-X	EPA 300.0	32842		
7024877001	MW-6S	EPA 353.2	32526		
7024877002	MW-64S	EPA 353.2	32526		
7024877003	MW-64D	EPA 353.2	32526		
7024877004	MW-62	EPA 353.2	32526		
7024877005	MW-67	EPA 353.2	32526		
7024877006	MW-68	EPA 353.2	32526		
7024877007	MW-46	EPA 353.2	32526		
7024877008	MW-19	EPA 353.2	32526		
7024877009	MW-70D	EPA 353.2	32526		
7024877010	MW-70S	EPA 353.2	32526		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Alco 1368.001.001

Pace Project No.: 7024877

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7024877011	DUP-X	EPA 353.2	32526		
7024877001	MW-6S	EPA 353.2	32517		
7024877002	MW-64S	EPA 353.2	32517		
7024877003	MW-64D	EPA 353.2	32517		
7024877004	MW-62	EPA 353.2	32517		
7024877005	MW-67	EPA 353.2	32517		
7024877006	MW-68	EPA 353.2	32517		
7024877007	MW-46	EPA 353.2	32517		
7024877008	MW-19	EPA 353.2	32517		
7024877009	MW-70D	EPA 353.2	32517		
7024877010	MW-70S	EPA 353.2	32517		
7024877011	DUP-X	EPA 353.2	32517		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Client Name:

Project

WO#: 7024877

PM: CNP Due Date: 07/27/17

CLIENT: B&L

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

Tracking #: 7359 2398 4791

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No

Seals intact: ☒ Yes ☐ No

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

Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TH092

Correction Factor: 0

☐ Samples on Ice, cooling process has begun

Cooler Temperature (°C): 3.8

Cooler Temperature Corrected (°C): 3.8

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: JR 7/21

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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix: SL <input checked="" type="checkbox"/> WT <input type="checkbox"/> OIL		
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # HCG01354		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)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

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

F-LI-C-002-rev.01

November 17, 2017

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

RE: Project: ALCO 1368.001.001
Pace Project No.: 7035416

Dear Corinne Steinmuller:

Enclosed are the analytical results for sample(s) received by the laboratory on November 10, 2017. 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
Accounts Payable, Barton and Loguidice



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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

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SAMPLE ANALYTE COUNT

Project: ALCO 1368.001.001
Pace Project No.: 7035416

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
7035416001	MW-65(MS/MSD)	EPA 537	WFH	8	PASI-O
		EPA 8260C/5030C	MJF	72	PACE-MV
		EPA 300.0	BNK	2	PACE-MV
		EPA 353.2	SDO	2	PACE-MV
		EPA 353.2	SDO	1	PACE-MV
7035416002	MW-64S	EPA 537	WFH	8	PASI-O
		EPA 8260C/5030C	MJF	72	PACE-MV
		EPA 300.0	BNK	2	PACE-MV
		EPA 353.2	SDO	2	PACE-MV
		EPA 353.2	SDO	1	PACE-MV
7035416003	MW-64D	EPA 537	WFH	8	PASI-O
		EPA 8260C/5030C	MJF	72	PACE-MV
		EPA 300.0	BNK	2	PACE-MV
		EPA 353.2	SDO	2	PACE-MV
		EPA 353.2	SDO	1	PACE-MV
7035416004	MW-62	EPA 537	WFH	8	PASI-O
		EPA 8260C/5030C	MJF	72	PACE-MV
		EPA 300.0	BNK	2	PACE-MV
		EPA 353.2	SDO	2	PACE-MV
		EPA 353.2	SDO	1	PACE-MV
7035416005	MW-67	EPA 537	WFH	8	PASI-O
		EPA 8260C/5030C	MJF	72	PACE-MV
		EPA 300.0	BNK	2	PACE-MV
		EPA 353.2	SDO	2	PACE-MV
		EPA 353.2	SDO	1	PACE-MV
7035416006	MW-68	EPA 537	WFH	8	PASI-O
		EPA 8260C/5030C	MJF	72	PACE-MV
		EPA 300.0	BNK	2	PACE-MV
		EPA 353.2	SDO	2	PACE-MV
		EPA 353.2	SDO	1	PACE-MV
7035416007	MW-46	EPA 537	WFH	8	PASI-O
		EPA 8260C/5030C	MJF	72	PACE-MV
		EPA 300.0	BNK	2	PACE-MV
		EPA 353.2	SDO	2	PACE-MV
		EPA 353.2	SDO	1	PACE-MV
7035416008	MW-19	EPA 537	WFH	8	PASI-O
		EPA 8260C/5030C	MJF	72	PACE-MV

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SAMPLE ANALYTE COUNT

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
7035416009	MW-70D	EPA 300.0	BNK	2	PACE-MV
		EPA 353.2	SDO	2	PACE-MV
		EPA 353.2	SDO	1	PACE-MV
		EPA 537	WFH	8	PASI-O
		EPA 8260C/5030C	MJF	72	PACE-MV
7035416010	MW-70S	EPA 300.0	BNK	2	PACE-MV
		EPA 353.2	SDO	2	PACE-MV
		EPA 353.2	SDO	1	PACE-MV
		EPA 537	WFH	8	PASI-O
		EPA 8260C/5030C	MJF	72	PACE-MV
7035416011	DUP-X	EPA 300.0	BNK	2	PACE-MV
		EPA 353.2	SDO	2	PACE-MV
		EPA 353.2	SDO	1	PACE-MV
		EPA 537	WFH	8	PASI-O
		EPA 8260C/5030C	MJF	72	PACE-MV
7035416012	TRIP BLANK	EPA 300.0	BNK	2	PACE-MV
		EPA 353.2	SDO	2	PACE-MV
		EPA 353.2	SDO	1	PACE-MV
		EPA 8260C/5030C	MJF	72	PACE-MV

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-65(MS/MSD)		Lab ID: 7035416001		Collected: 11/09/17 10:15		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
537 PFOA Compounds, Water		Analytical Method: EPA 537 Preparation Method: EPA 537							
Perfluorobutanesulfonic acid	<0.080	ug/L	0.080	1	11/14/17 21:56	11/15/17 12:05	375-73-5	M1	
Perfluoroheptanoic acid	<0.0089	ug/L	0.0089	1	11/14/17 21:56	11/15/17 12:05	375-85-9		
Perfluorohexanesulfonic acid	<0.027	ug/L	0.027	1	11/14/17 21:56	11/15/17 12:05	355-46-4		
Perfluorononanoic acid	<0.018	ug/L	0.018	1	11/14/17 21:56	11/15/17 12:05	375-95-1		
Perfluorooctanesulfonic acid	<0.036	ug/L	0.036	1	11/14/17 21:56	11/15/17 12:05	1763-23-1		
Perfluorooctanoic acid	<0.0018	ug/L	0.0018	1	11/14/17 21:56	11/15/17 12:05	335-67-1		
Surrogates									
13C2-PFDA (S)	104	%	70-130	1	11/14/17 21:56	11/15/17 12:05			
13C2-PFHxA (S)	123	%	70-130	1	11/14/17 21:56	11/15/17 12:05			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 20:53	630-20-6	CL,M1, R1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 20:53	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 20:53	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 20:53	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 20:53	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 20:53	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 20:53	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/14/17 20:53	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		11/14/17 20:53	96-12-8		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/14/17 20:53	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 20:53	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 20:53	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 20:53	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	106-46-7		
1,4-Dioxane (p-Dioxane)	<100	ug/L	100	1		11/14/17 20:53	123-91-1		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 20:53	594-20-7		
2-Butanone (MEK)	7.3	ug/L	5.0	1		11/14/17 20:53	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/14/17 20:53	110-75-8		
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 20:53	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		11/14/17 20:53	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 20:53	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/14/17 20:53	108-10-1		
Acetone	51.9	ug/L	5.0	1		11/14/17 20:53	67-64-1		
Benzene	<1.0	ug/L	1.0	1		11/14/17 20:53	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		11/14/17 20:53	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/14/17 20:53	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/14/17 20:53	75-25-2		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001
Pace Project No.: 7035416

Sample: MW-65(MS/MSD)		Lab ID: 7035416001		Collected: 11/09/17 10:15		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Bromomethane	<1.0	ug/L	1.0	1		11/14/17 20:53	74-83-9	CL	
Carbon disulfide	<1.0	ug/L	1.0	1		11/14/17 20:53	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/14/17 20:53	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/14/17 20:53	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/14/17 20:53	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/14/17 20:53	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/14/17 20:53	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		11/14/17 20:53	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/14/17 20:53	75-71-8	CL	
Ethylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/14/17 20:53	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/14/17 20:53	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		11/14/17 20:53	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/14/17 20:53	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		11/14/17 20:53	91-20-3	M1,R1	
Styrene	<1.0	ug/L	1.0	1		11/14/17 20:53	100-42-5		
Tetrachloroethene	44.9	ug/L	1.0	1		11/14/17 20:53	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/14/17 20:53	108-88-3		
Trichloroethene	34.9	ug/L	1.0	1		11/14/17 20:53	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/14/17 20:53	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		11/14/17 20:53	108-05-4	R1	
Vinyl chloride	10.6	ug/L	1.0	1		11/14/17 20:53	75-01-4	CL	
Xylene (Total)	<2.0	ug/L	2.0	1		11/14/17 20:53	1330-20-7		
cis-1,2-Dichloroethene	80.2	ug/L	1.0	1		11/14/17 20:53	156-59-2	M1	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 20:53	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		11/14/17 20:53	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		11/14/17 20:53	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/14/17 20:53	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:53	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 20:53	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 20:53	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	88	%	68-153	1		11/14/17 20:53	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-124	1		11/14/17 20:53	460-00-4		
Toluene-d8 (S)	97	%	69-124	1		11/14/17 20:53	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	760	mg/L	100	50		11/14/17 18:57	16887-00-6		
Sulfate	67.7	mg/L	25.0	5		11/14/17 17:49	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		11/11/17 09:45	14797-55-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-65(MS/MSD)		Lab ID: 7035416001		Collected: 11/09/17 10:15		Received: 11/10/17 10:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)		<0.050	mg/L	0.050	1		11/11/17 09:45	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N		<0.050	mg/L	0.050	1		11/11/17 08:10	14797-65-0	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-64S		Lab ID: 7035416002	Collected: 11/09/17 10:45	Received: 11/10/17 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
537 PFOA Compounds, Water		Analytical Method: EPA 537 Preparation Method: EPA 537						
Perfluorobutanesulfonic acid	<0.079	ug/L	0.079	1	11/14/17 21:56	11/15/17 12:53	375-73-5	
Perfluoroheptanoic acid	<0.0088	ug/L	0.0088	1	11/14/17 21:56	11/15/17 12:53	375-85-9	
Perfluorohexanesulfonic acid	<0.026	ug/L	0.026	1	11/14/17 21:56	11/15/17 12:53	355-46-4	
Perfluorononanoic acid	<0.018	ug/L	0.018	1	11/14/17 21:56	11/15/17 12:53	375-95-1	
Perfluorooctanesulfonic acid	<0.035	ug/L	0.035	1	11/14/17 21:56	11/15/17 12:53	1763-23-1	
Perfluorooctanoic acid	<0.0018	ug/L	0.0018	1	11/14/17 21:56	11/15/17 12:53	335-67-1	
Surrogates								
13C2-PFDA (S)	105	%	70-130	1	11/14/17 21:56	11/15/17 12:53		
13C2-PFHxA (S)	117	%	70-130	1	11/14/17 21:56	11/15/17 12:53		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 20:32	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 20:32	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 20:32	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 20:32	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 20:32	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 20:32	75-35-4	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 20:32	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/14/17 20:32	96-18-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	120-82-1	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	95-63-6	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		11/14/17 20:32	96-12-8	CL
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/14/17 20:32	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 20:32	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 20:32	78-87-5	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 20:32	142-28-9	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	106-46-7	
1,4-Dioxane (p-Dioxane)	<100	ug/L	100	1		11/14/17 20:32	123-91-1	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 20:32	594-20-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/14/17 20:32	78-93-3	
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/14/17 20:32	110-75-8	1j, CL, L2, c2
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 20:32	95-49-8	
2-Hexanone	<5.0	ug/L	5.0	1		11/14/17 20:32	591-78-6	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 20:32	106-43-4	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/14/17 20:32	108-10-1	
Acetone	28.7	ug/L	5.0	1		11/14/17 20:32	67-64-1	
Benzene	<1.0	ug/L	1.0	1		11/14/17 20:32	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		11/14/17 20:32	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/14/17 20:32	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/14/17 20:32	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/14/17 20:32	74-83-9	CL

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-64S		Lab ID: 7035416002		Collected: 11/09/17 10:45		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Carbon disulfide	<1.0	ug/L	1.0	1		11/14/17 20:32	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/14/17 20:32	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/14/17 20:32	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/14/17 20:32	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/14/17 20:32	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/14/17 20:32	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		11/14/17 20:32	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/14/17 20:32	75-71-8	CL	
Ethylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/14/17 20:32	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/14/17 20:32	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		11/14/17 20:32	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/14/17 20:32	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		11/14/17 20:32	91-20-3		
Styrene	<1.0	ug/L	1.0	1		11/14/17 20:32	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/14/17 20:32	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/14/17 20:32	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		11/14/17 20:32	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/14/17 20:32	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		11/14/17 20:32	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/14/17 20:32	75-01-4	CL	
Xylene (Total)	<2.0	ug/L	2.0	1		11/14/17 20:32	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 20:32	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 20:32	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		11/14/17 20:32	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		11/14/17 20:32	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/14/17 20:32	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:32	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 20:32	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 20:32	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%.	68-153	1		11/14/17 20:32	17060-07-0		
4-Bromofluorobenzene (S)	102	%.	79-124	1		11/14/17 20:32	460-00-4		
Toluene-d8 (S)	97	%.	69-124	1		11/14/17 20:32	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	31.8	mg/L	2.0	1		11/14/17 01:25	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		11/14/17 01:25	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		11/11/17 09:49	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		11/11/17 09:49	7727-37-9		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-64S		Lab ID: 7035416002		Collected: 11/09/17 10:45		Received: 11/10/17 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		11/11/17 08:14	14797-65-0	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001
Pace Project No.: 7035416

Sample: MW-64D		Lab ID: 7035416003	Collected: 11/09/17 11:00	Received: 11/10/17 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
537 PFOA Compounds, Water		Analytical Method: EPA 537 Preparation Method: EPA 537						
Perfluorobutanesulfonic acid	<0.078	ug/L	0.078	1	11/14/17 21:56	11/15/17 13:09	375-73-5	
Perfluoroheptanoic acid	<0.0087	ug/L	0.0087	1	11/14/17 21:56	11/15/17 13:09	375-85-9	
Perfluorohexanesulfonic acid	<0.026	ug/L	0.026	1	11/14/17 21:56	11/15/17 13:09	355-46-4	
Perfluorononanoic acid	<0.017	ug/L	0.017	1	11/14/17 21:56	11/15/17 13:09	375-95-1	
Perfluorooctanesulfonic acid	<0.035	ug/L	0.035	1	11/14/17 21:56	11/15/17 13:09	1763-23-1	
Perfluorooctanoic acid	<0.0017	ug/L	0.0017	1	11/14/17 21:56	11/15/17 13:09	335-67-1	
Surrogates								
13C2-PFDA (S)	87	%	70-130	1	11/14/17 21:56	11/15/17 13:09		
13C2-PFHxA (S)	113	%	70-130	1	11/14/17 21:56	11/15/17 13:09		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 20:12	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 20:12	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 20:12	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 20:12	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 20:12	75-34-3	
1,1-Dichloroethene	2.8	ug/L	1.0	1		11/14/17 20:12	75-35-4	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 20:12	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/14/17 20:12	96-18-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	120-82-1	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	95-63-6	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		11/14/17 20:12	96-12-8	CL
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/14/17 20:12	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 20:12	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 20:12	78-87-5	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 20:12	142-28-9	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	106-46-7	
1,4-Dioxane (p-Dioxane)	<100	ug/L	100	1		11/14/17 20:12	123-91-1	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 20:12	594-20-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/14/17 20:12	78-93-3	
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/14/17 20:12	110-75-8	1j, CL, L2, c2
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 20:12	95-49-8	
2-Hexanone	<5.0	ug/L	5.0	1		11/14/17 20:12	591-78-6	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 20:12	106-43-4	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/14/17 20:12	108-10-1	
Acetone	20.2	ug/L	5.0	1		11/14/17 20:12	67-64-1	
Benzene	<1.0	ug/L	1.0	1		11/14/17 20:12	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		11/14/17 20:12	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/14/17 20:12	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/14/17 20:12	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/14/17 20:12	74-83-9	CL

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-64D		Lab ID: 7035416003		Collected: 11/09/17 11:00		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Carbon disulfide	<1.0	ug/L	1.0	1		11/14/17 20:12	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/14/17 20:12	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/14/17 20:12	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/14/17 20:12	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/14/17 20:12	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/14/17 20:12	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		11/14/17 20:12	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/14/17 20:12	75-71-8	CL	
Ethylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/14/17 20:12	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/14/17 20:12	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		11/14/17 20:12	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/14/17 20:12	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		11/14/17 20:12	91-20-3		
Styrene	<1.0	ug/L	1.0	1		11/14/17 20:12	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/14/17 20:12	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/14/17 20:12	108-88-3		
Trichloroethene	19.7	ug/L	1.0	1		11/14/17 20:12	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/14/17 20:12	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		11/14/17 20:12	108-05-4		
Vinyl chloride	39.1	ug/L	1.0	1		11/14/17 20:12	75-01-4	CL	
Xylene (Total)	<2.0	ug/L	2.0	1		11/14/17 20:12	1330-20-7		
cis-1,2-Dichloroethene	419	ug/L	5.0	5		11/15/17 21:02	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 20:12	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		11/14/17 20:12	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		11/14/17 20:12	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/14/17 20:12	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 20:12	98-06-6		
trans-1,2-Dichloroethene	7.4	ug/L	1.0	1		11/14/17 20:12	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 20:12	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	88	%	68-153	1		11/14/17 20:12	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-124	1		11/14/17 20:12	460-00-4		
Toluene-d8 (S)	96	%	69-124	1		11/14/17 20:12	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	318	mg/L	20.0	10		11/14/17 19:37	16887-00-6		
Sulfate	29.5	mg/L	5.0	1		11/14/17 01:39	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		11/11/17 09:50	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		11/11/17 09:50	7727-37-9		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-64D		Lab ID: 7035416003	Collected: 11/09/17 11:00	Received: 11/10/17 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		11/11/17 08:15	14797-65-0	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-62		Lab ID: 7035416004	Collected: 11/09/17 11:30	Received: 11/10/17 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
537 PFOA Compounds, Water		Analytical Method: EPA 537 Preparation Method: EPA 537						
Perfluorobutanesulfonic acid	<0.081	ug/L	0.081	1	11/14/17 21:56	11/15/17 13:25	375-73-5	
Perfluoroheptanoic acid	<0.0090	ug/L	0.0090	1	11/14/17 21:56	11/15/17 13:25	375-85-9	
Perfluorohexanesulfonic acid	<0.027	ug/L	0.027	1	11/14/17 21:56	11/15/17 13:25	355-46-4	
Perfluorononanoic acid	<0.018	ug/L	0.018	1	11/14/17 21:56	11/15/17 13:25	375-95-1	
Perfluorooctanesulfonic acid	<0.036	ug/L	0.036	1	11/14/17 21:56	11/15/17 13:25	1763-23-1	
Perfluorooctanoic acid	<0.0018	ug/L	0.0018	1	11/14/17 21:56	11/15/17 13:25	335-67-1	
Surrogates								
13C2-PFDA (S)	94	%	70-130	1	11/14/17 21:56	11/15/17 13:25		
13C2-PFHxA (S)	105	%	70-130	1	11/14/17 21:56	11/15/17 13:25		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/15/17 21:43	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/15/17 21:43	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/15/17 21:43	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/15/17 21:43	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/15/17 21:43	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/15/17 21:43	75-35-4	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/15/17 21:43	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/15/17 21:43	96-18-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	120-82-1	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	95-63-6	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		11/15/17 21:43	96-12-8	CL
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/15/17 21:43	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/15/17 21:43	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/15/17 21:43	78-87-5	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/15/17 21:43	142-28-9	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	106-46-7	
1,4-Dioxane (p-Dioxane)	<100	ug/L	100	1		11/15/17 21:43	123-91-1	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/15/17 21:43	594-20-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/15/17 21:43	78-93-3	
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/15/17 21:43	110-75-8	1j, CL, L2, c2
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/15/17 21:43	95-49-8	
2-Hexanone	<5.0	ug/L	5.0	1		11/15/17 21:43	591-78-6	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/15/17 21:43	106-43-4	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/15/17 21:43	108-10-1	
Acetone	22.6	ug/L	5.0	1		11/15/17 21:43	67-64-1	
Benzene	<1.0	ug/L	1.0	1		11/15/17 21:43	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		11/15/17 21:43	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/15/17 21:43	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/15/17 21:43	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/15/17 21:43	74-83-9	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001
Pace Project No.: 7035416

Sample: MW-62		Lab ID: 7035416004		Collected: 11/09/17 11:30		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Carbon disulfide	<1.0	ug/L	1.0	1		11/15/17 21:43	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/15/17 21:43	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/15/17 21:43	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/15/17 21:43	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/15/17 21:43	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/15/17 21:43	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		11/15/17 21:43	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/15/17 21:43	75-71-8	CL	
Ethylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/15/17 21:43	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/15/17 21:43	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		11/15/17 21:43	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/15/17 21:43	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		11/15/17 21:43	91-20-3		
Styrene	<1.0	ug/L	1.0	1		11/15/17 21:43	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/15/17 21:43	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/15/17 21:43	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		11/15/17 21:43	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/15/17 21:43	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		11/15/17 21:43	108-05-4		
Vinyl chloride	2.5	ug/L	1.0	1		11/15/17 21:43	75-01-4	CL	
Xylene (Total)	<2.0	ug/L	2.0	1		11/15/17 21:43	1330-20-7		
cis-1,2-Dichloroethene	19.1	ug/L	1.0	1		11/15/17 21:43	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/15/17 21:43	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		11/15/17 21:43	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		11/15/17 21:43	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/15/17 21:43	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:43	98-06-6		
trans-1,2-Dichloroethene	1.1	ug/L	1.0	1		11/15/17 21:43	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/15/17 21:43	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%.	68-153	1		11/15/17 21:43	17060-07-0		
4-Bromofluorobenzene (S)	103	%.	79-124	1		11/15/17 21:43	460-00-4		
Toluene-d8 (S)	95	%.	69-124	1		11/15/17 21:43	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	48.5	mg/L	2.0	1		11/14/17 02:19	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		11/14/17 02:19	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		11/11/17 09:51	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		11/11/17 09:51	7727-37-9		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-62		Lab ID: 7035416004		Collected: 11/09/17 11:30		Received: 11/10/17 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		11/11/17 08:16	14797-65-0	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001
Pace Project No.: 7035416

Sample: MW-67		Lab ID: 7035416005		Collected: 11/09/17 12:45		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
537 PFOA Compounds, Water		Analytical Method: EPA 537 Preparation Method: EPA 537							
Perfluorobutanesulfonic acid	<0.085	ug/L	0.085	1	11/14/17 21:56	11/15/17 13:41	375-73-5		
Perfluoroheptanoic acid	<0.0095	ug/L	0.0095	1	11/14/17 21:56	11/15/17 13:41	375-85-9		
Perfluorohexanesulfonic acid	<0.028	ug/L	0.028	1	11/14/17 21:56	11/15/17 13:41	355-46-4		
Perfluorononanoic acid	<0.019	ug/L	0.019	1	11/14/17 21:56	11/15/17 13:41	375-95-1		
Perfluorooctanesulfonic acid	<0.038	ug/L	0.038	1	11/14/17 21:56	11/15/17 13:41	1763-23-1		
Perfluorooctanoic acid	<0.0019	ug/L	0.0019	1	11/14/17 21:56	11/15/17 13:41	335-67-1		
Surrogates									
13C2-PFDA (S)	102	%	70-130	1	11/14/17 21:56	11/15/17 13:41			
13C2-PFHxA (S)	129	%	70-130	1	11/14/17 21:56	11/15/17 13:41			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 19:31	630-20-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 19:31	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 19:31	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 19:31	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 19:31	75-34-3		
1,1-Dichloroethene	5.3	ug/L	1.0	1		11/14/17 19:31	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 19:31	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/14/17 19:31	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		11/14/17 19:31	96-12-8	CL	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/14/17 19:31	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 19:31	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 19:31	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 19:31	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	106-46-7		
1,4-Dioxane (p-Dioxane)	<100	ug/L	100	1		11/14/17 19:31	123-91-1		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 19:31	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/14/17 19:31	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/14/17 19:31	110-75-8	1j, CL, L2, c2	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 19:31	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		11/14/17 19:31	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 19:31	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/14/17 19:31	108-10-1		
Acetone	25.9	ug/L	5.0	1		11/14/17 19:31	67-64-1		
Benzene	<1.0	ug/L	1.0	1		11/14/17 19:31	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		11/14/17 19:31	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/14/17 19:31	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/14/17 19:31	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/14/17 19:31	74-83-9	CL	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001
Pace Project No.: 7035416

Sample: MW-67		Lab ID: 7035416005		Collected: 11/09/17 12:45		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Carbon disulfide	<1.0	ug/L	1.0	1		11/14/17 19:31	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/14/17 19:31	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/14/17 19:31	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/14/17 19:31	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/14/17 19:31	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/14/17 19:31	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		11/14/17 19:31	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/14/17 19:31	75-71-8	CL	
Ethylbenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/14/17 19:31	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/14/17 19:31	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		11/14/17 19:31	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/14/17 19:31	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		11/14/17 19:31	91-20-3		
Styrene	<1.0	ug/L	1.0	1		11/14/17 19:31	100-42-5		
Tetrachloroethene	9.0	ug/L	1.0	1		11/14/17 19:31	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/14/17 19:31	108-88-3		
Trichloroethene	33.9	ug/L	1.0	1		11/14/17 19:31	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/14/17 19:31	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		11/14/17 19:31	108-05-4		
Vinyl chloride	353	ug/L	50.0	50		11/15/17 20:42	75-01-4	CL	
Xylene (Total)	<2.0	ug/L	2.0	1		11/14/17 19:31	1330-20-7		
cis-1,2-Dichloroethene	5910	ug/L	50.0	50		11/15/17 20:42	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 19:31	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		11/14/17 19:31	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		11/14/17 19:31	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/14/17 19:31	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 19:31	98-06-6		
trans-1,2-Dichloroethene	36.4	ug/L	1.0	1		11/14/17 19:31	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 19:31	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	88	%.	68-153	1		11/14/17 19:31	17060-07-0		
4-Bromofluorobenzene (S)	106	%.	79-124	1		11/14/17 19:31	460-00-4		
Toluene-d8 (S)	98	%.	69-124	1		11/14/17 19:31	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	375	mg/L	40.0	20		11/14/17 20:04	16887-00-6		
Sulfate	72.0	mg/L	25.0	5		11/14/17 19:51	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		11/11/17 09:52	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		11/11/17 09:52	7727-37-9		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-67		Lab ID: 7035416005		Collected: 11/09/17 12:45		Received: 11/10/17 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		11/11/17 08:18	14797-65-0		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-68		Lab ID: 7035416006		Collected: 11/09/17 12:30		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
537 PFOA Compounds, Water		Analytical Method: EPA 537 Preparation Method: EPA 537							
Perfluorobutanesulfonic acid	<0.078	ug/L	0.078	1	11/14/17 21:56	11/15/17 13:57	375-73-5		
Perfluoroheptanoic acid	<0.0087	ug/L	0.0087	1	11/14/17 21:56	11/15/17 13:57	375-85-9		
Perfluorohexanesulfonic acid	<0.026	ug/L	0.026	1	11/14/17 21:56	11/15/17 13:57	355-46-4		
Perfluorononanoic acid	<0.017	ug/L	0.017	1	11/14/17 21:56	11/15/17 13:57	375-95-1		
Perfluorooctanesulfonic acid	<0.035	ug/L	0.035	1	11/14/17 21:56	11/15/17 13:57	1763-23-1		
Perfluorooctanoic acid	<0.0017	ug/L	0.0017	1	11/14/17 21:56	11/15/17 13:57	335-67-1		
Surrogates									
13C2-PFDA (S)	127	%	70-130	1	11/14/17 21:56	11/15/17 13:57			
13C2-PFHxA (S)	80	%	70-130	1	11/14/17 21:56	11/15/17 13:57			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/15/17 21:23	630-20-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/15/17 21:23	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/15/17 21:23	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/15/17 21:23	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/15/17 21:23	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/15/17 21:23	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/15/17 21:23	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/15/17 21:23	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		11/15/17 21:23	96-12-8	CL	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/15/17 21:23	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/15/17 21:23	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/15/17 21:23	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/15/17 21:23	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	106-46-7		
1,4-Dioxane (p-Dioxane)	<100	ug/L	100	1		11/15/17 21:23	123-91-1		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/15/17 21:23	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/15/17 21:23	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/15/17 21:23	110-75-8	1j, CL, L2, c2	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/15/17 21:23	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		11/15/17 21:23	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/15/17 21:23	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/15/17 21:23	108-10-1		
Acetone	31.2	ug/L	5.0	1		11/15/17 21:23	67-64-1		
Benzene	<1.0	ug/L	1.0	1		11/15/17 21:23	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		11/15/17 21:23	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/15/17 21:23	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/15/17 21:23	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/15/17 21:23	74-83-9		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-68		Lab ID: 7035416006		Collected: 11/09/17 12:30		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Carbon disulfide	<1.0	ug/L	1.0	1		11/15/17 21:23	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/15/17 21:23	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/15/17 21:23	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/15/17 21:23	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/15/17 21:23	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/15/17 21:23	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		11/15/17 21:23	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/15/17 21:23	75-71-8	CL	
Ethylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/15/17 21:23	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/15/17 21:23	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		11/15/17 21:23	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/15/17 21:23	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		11/15/17 21:23	91-20-3		
Styrene	<1.0	ug/L	1.0	1		11/15/17 21:23	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/15/17 21:23	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/15/17 21:23	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		11/15/17 21:23	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/15/17 21:23	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		11/15/17 21:23	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/15/17 21:23	75-01-4	CL	
Xylene (Total)	<2.0	ug/L	2.0	1		11/15/17 21:23	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/15/17 21:23	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/15/17 21:23	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		11/15/17 21:23	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		11/15/17 21:23	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/15/17 21:23	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/15/17 21:23	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/15/17 21:23	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/15/17 21:23	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	90	%.	68-153	1		11/15/17 21:23	17060-07-0		
4-Bromofluorobenzene (S)	102	%.	79-124	1		11/15/17 21:23	460-00-4		
Toluene-d8 (S)	95	%.	69-124	1		11/15/17 21:23	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	66.6	mg/L	10.0	5		11/14/17 20:18	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		11/14/17 02:46	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		11/11/17 09:54	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		11/11/17 09:54	7727-37-9		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-68		Lab ID: 7035416006		Collected: 11/09/17 12:30		Received: 11/10/17 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		11/11/17 08:19	14797-65-0	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001
Pace Project No.: 7035416

Sample: MW-46		Lab ID: 7035416007		Collected: 11/09/17 13:25		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
537 PFOA Compounds, Water		Analytical Method: EPA 537 Preparation Method: EPA 537							
Perfluorobutanesulfonic acid	<0.078	ug/L	0.078	1	11/14/17 21:56	11/15/17 14:13	375-73-5		
Perfluoroheptanoic acid	<0.0087	ug/L	0.0087	1	11/14/17 21:56	11/15/17 14:13	375-85-9		
Perfluorohexanesulfonic acid	<0.026	ug/L	0.026	1	11/14/17 21:56	11/15/17 14:13	355-46-4		
Perfluorononanoic acid	<0.017	ug/L	0.017	1	11/14/17 21:56	11/15/17 14:13	375-95-1		
Perfluorooctanesulfonic acid	<0.035	ug/L	0.035	1	11/14/17 21:56	11/15/17 14:13	1763-23-1		
Perfluorooctanoic acid	<0.0017	ug/L	0.0017	1	11/14/17 21:56	11/15/17 14:13	335-67-1		
Surrogates									
13C2-PFDA (S)	105	%	70-130	1	11/14/17 21:56	11/15/17 14:13			
13C2-PFHxA (S)	127	%	70-130	1	11/14/17 21:56	11/15/17 14:13			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 18:50	630-20-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 18:50	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 18:50	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 18:50	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 18:50	75-34-3		
1,1-Dichloroethene	13.9	ug/L	1.0	1		11/14/17 18:50	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 18:50	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/14/17 18:50	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		11/14/17 18:50	96-12-8	CL	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/14/17 18:50	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 18:50	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 18:50	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 18:50	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	106-46-7		
1,4-Dioxane (p-Dioxane)	<100	ug/L	100	1		11/14/17 18:50	123-91-1		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 18:50	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/14/17 18:50	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/14/17 18:50	110-75-8	1j, CL, L2, c2	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 18:50	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		11/14/17 18:50	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 18:50	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/14/17 18:50	108-10-1		
Acetone	28.0	ug/L	5.0	1		11/14/17 18:50	67-64-1		
Benzene	<1.0	ug/L	1.0	1		11/14/17 18:50	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		11/14/17 18:50	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/14/17 18:50	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/14/17 18:50	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/14/17 18:50	74-83-9	CL	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001
Pace Project No.: 7035416

Sample: MW-46		Lab ID: 7035416007		Collected: 11/09/17 13:25		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Carbon disulfide	<1.0	ug/L	1.0	1		11/14/17 18:50	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/14/17 18:50	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/14/17 18:50	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/14/17 18:50	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/14/17 18:50	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/14/17 18:50	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		11/14/17 18:50	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/14/17 18:50	75-71-8	CL	
Ethylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/14/17 18:50	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/14/17 18:50	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		11/14/17 18:50	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/14/17 18:50	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		11/14/17 18:50	91-20-3		
Styrene	<1.0	ug/L	1.0	1		11/14/17 18:50	100-42-5		
Tetrachloroethene	68.5	ug/L	1.0	1		11/14/17 18:50	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/14/17 18:50	108-88-3		
Trichloroethene	80.8	ug/L	1.0	1		11/14/17 18:50	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/14/17 18:50	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		11/14/17 18:50	108-05-4		
Vinyl chloride	425	ug/L	50.0	50		11/15/17 20:21	75-01-4	CL	
Xylene (Total)	<2.0	ug/L	2.0	1		11/14/17 18:50	1330-20-7		
cis-1,2-Dichloroethene	6570	ug/L	50.0	50		11/15/17 20:21	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 18:50	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		11/14/17 18:50	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		11/14/17 18:50	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/14/17 18:50	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:50	98-06-6		
trans-1,2-Dichloroethene	30.0	ug/L	1.0	1		11/14/17 18:50	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 18:50	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	88	%	68-153	1		11/14/17 18:50	17060-07-0		
4-Bromofluorobenzene (S)	99	%	79-124	1		11/14/17 18:50	460-00-4		
Toluene-d8 (S)	95	%	69-124	1		11/14/17 18:50	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	2320	mg/L	200	100		11/14/17 21:12	16887-00-6		
Sulfate	185	mg/L	50.0	10		11/14/17 20:31	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.063	mg/L	0.050	1		11/11/17 09:55	14797-55-8		
Nitrate-Nitrite (as N)	0.063	mg/L	0.050	1		11/11/17 09:55	7727-37-9		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-46		Lab ID: 7035416007		Collected: 11/09/17 13:25		Received: 11/10/17 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		11/11/17 08:20	14797-65-0	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-19		Lab ID: 7035416008		Collected: 11/09/17 13:00		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
537 PFOA Compounds, Water		Analytical Method: EPA 537 Preparation Method: EPA 537							
Perfluorobutanesulfonic acid	<0.084	ug/L	0.084	1	11/14/17 21:56	11/15/17 14:29	375-73-5		
Perfluoroheptanoic acid	<0.0094	ug/L	0.0094	1	11/14/17 21:56	11/15/17 14:29	375-85-9		
Perfluorohexanesulfonic acid	<0.028	ug/L	0.028	1	11/14/17 21:56	11/15/17 14:29	355-46-4		
Perfluorononanoic acid	<0.019	ug/L	0.019	1	11/14/17 21:56	11/15/17 14:29	375-95-1		
Perfluorooctanesulfonic acid	<0.038	ug/L	0.038	1	11/14/17 21:56	11/15/17 14:29	1763-23-1		
Perfluorooctanoic acid	0.011	ug/L	0.0019	1	11/14/17 21:56	11/15/17 14:29	335-67-1		
Surrogates									
13C2-PFDA (S)	121	%	70-130	1	11/14/17 21:56	11/15/17 14:29			
13C2-PFHxA (S)	104	%	70-130	1	11/14/17 21:56	11/15/17 14:29			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 18:29	630-20-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 18:29	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 18:29	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 18:29	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 18:29	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 18:29	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 18:29	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/14/17 18:29	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		11/14/17 18:29	96-12-8	CL	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/14/17 18:29	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 18:29	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 18:29	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 18:29	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	106-46-7		
1,4-Dioxane (p-Dioxane)	<100	ug/L	100	1		11/14/17 18:29	123-91-1		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 18:29	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/14/17 18:29	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/14/17 18:29	110-75-8	1j, CL, L2, c2	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 18:29	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		11/14/17 18:29	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 18:29	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/14/17 18:29	108-10-1		
Acetone	30.6	ug/L	5.0	1		11/14/17 18:29	67-64-1		
Benzene	<1.0	ug/L	1.0	1		11/14/17 18:29	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		11/14/17 18:29	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/14/17 18:29	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/14/17 18:29	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/14/17 18:29	74-83-9	CL	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-19		Lab ID: 7035416008		Collected: 11/09/17 13:00		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Carbon disulfide	<1.0	ug/L	1.0	1		11/14/17 18:29	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/14/17 18:29	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/14/17 18:29	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/14/17 18:29	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/14/17 18:29	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/14/17 18:29	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		11/14/17 18:29	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/14/17 18:29	75-71-8	CL	
Ethylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/14/17 18:29	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/14/17 18:29	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		11/14/17 18:29	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/14/17 18:29	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		11/14/17 18:29	91-20-3		
Styrene	<1.0	ug/L	1.0	1		11/14/17 18:29	100-42-5		
Tetrachloroethene	547	ug/L	10.0	10		11/15/17 20:01	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/14/17 18:29	108-88-3		
Trichloroethene	109	ug/L	1.0	1		11/14/17 18:29	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/14/17 18:29	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		11/14/17 18:29	108-05-4		
Vinyl chloride	2.5	ug/L	1.0	1		11/14/17 18:29	75-01-4	CL	
Xylene (Total)	<2.0	ug/L	2.0	1		11/14/17 18:29	1330-20-7		
cis-1,2-Dichloroethene	268	ug/L	10.0	10		11/15/17 20:01	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 18:29	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		11/14/17 18:29	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		11/14/17 18:29	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/14/17 18:29	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:29	98-06-6		
trans-1,2-Dichloroethene	2.2	ug/L	1.0	1		11/14/17 18:29	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 18:29	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%.	68-153	1		11/14/17 18:29	17060-07-0		
4-Bromofluorobenzene (S)	100	%.	79-124	1		11/14/17 18:29	460-00-4		
Toluene-d8 (S)	97	%.	69-124	1		11/14/17 18:29	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	443	mg/L	20.0	10		11/14/17 21:25	16887-00-6		
Sulfate	109	mg/L	50.0	10		11/14/17 21:25	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	3.5	mg/L	0.25	5		11/11/17 09:56	14797-55-8		
Nitrate-Nitrite (as N)	3.5	mg/L	0.25	5		11/11/17 09:56	7727-37-9		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-19		Lab ID: 7035416008	Collected: 11/09/17 13:00	Received: 11/10/17 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		11/11/17 08:21	14797-65-0	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-70D		Lab ID: 7035416009		Collected: 11/09/17 14:03		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
537 PFOA Compounds, Water		Analytical Method: EPA 537 Preparation Method: EPA 537							
Perfluorobutanesulfonic acid	<0.085	ug/L	0.085	1	11/14/17 21:56	11/15/17 14:45	375-73-5		
Perfluoroheptanoic acid	<0.0094	ug/L	0.0094	1	11/14/17 21:56	11/15/17 14:45	375-85-9		
Perfluorohexanesulfonic acid	<0.028	ug/L	0.028	1	11/14/17 21:56	11/15/17 14:45	355-46-4		
Perfluorononanoic acid	<0.019	ug/L	0.019	1	11/14/17 21:56	11/15/17 14:45	375-95-1		
Perfluorooctanesulfonic acid	<0.038	ug/L	0.038	1	11/14/17 21:56	11/15/17 14:45	1763-23-1		
Perfluorooctanoic acid	<0.0019	ug/L	0.0019	1	11/14/17 21:56	11/15/17 14:45	335-67-1		
Surrogates									
13C2-PFDA (S)	84	%	70-130	1	11/14/17 21:56	11/15/17 14:45			
13C2-PFHxA (S)	122	%	70-130	1	11/14/17 21:56	11/15/17 14:45			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 18:09	630-20-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 18:09	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 18:09	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 18:09	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 18:09	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 18:09	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 18:09	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/14/17 18:09	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	120-82-1		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		11/14/17 18:09	96-12-8	CL	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/14/17 18:09	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 18:09	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 18:09	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 18:09	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	106-46-7		
1,4-Dioxane (p-Dioxane)	<100	ug/L	100	1		11/14/17 18:09	123-91-1		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 18:09	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/14/17 18:09	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/14/17 18:09	110-75-8	1j, CL, L2, c2	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 18:09	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		11/14/17 18:09	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 18:09	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/14/17 18:09	108-10-1		
Acetone	13.3	ug/L	5.0	1		11/14/17 18:09	67-64-1		
Benzene	<1.0	ug/L	1.0	1		11/14/17 18:09	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		11/14/17 18:09	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/14/17 18:09	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/14/17 18:09	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/14/17 18:09	74-83-9	CL	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-70D		Lab ID: 7035416009		Collected: 11/09/17 14:03		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Carbon disulfide	<1.0	ug/L	1.0	1		11/14/17 18:09	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/14/17 18:09	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/14/17 18:09	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/14/17 18:09	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/14/17 18:09	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/14/17 18:09	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		11/14/17 18:09	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/14/17 18:09	75-71-8	CL	
Ethylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/14/17 18:09	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/14/17 18:09	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		11/14/17 18:09	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/14/17 18:09	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		11/14/17 18:09	91-20-3		
Styrene	<1.0	ug/L	1.0	1		11/14/17 18:09	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/14/17 18:09	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/14/17 18:09	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		11/14/17 18:09	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/14/17 18:09	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		11/14/17 18:09	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/14/17 18:09	75-01-4	CL	
Xylene (Total)	<2.0	ug/L	2.0	1		11/14/17 18:09	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 18:09	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 18:09	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		11/14/17 18:09	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		11/14/17 18:09	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/14/17 18:09	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 18:09	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 18:09	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 18:09	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	84	%.	68-153	1		11/14/17 18:09	17060-07-0		
4-Bromofluorobenzene (S)	99	%.	79-124	1		11/14/17 18:09	460-00-4		
Toluene-d8 (S)	94	%.	69-124	1		11/14/17 18:09	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	560	mg/L	40.0	20		11/14/17 21:52	16887-00-6		
Sulfate	17.1	mg/L	5.0	1		11/14/17 03:27	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		11/11/17 09:59	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		11/11/17 09:59	7727-37-9		

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-70D		Lab ID: 7035416009		Collected: 11/09/17 14:03		Received: 11/10/17 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		11/11/17 08:25	14797-65-0	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-70S		Lab ID: 7035416010		Collected: 11/09/17 14:20		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
537 PFOA Compounds, Water		Analytical Method: EPA 537 Preparation Method: EPA 537							
Perfluorobutanesulfonic acid	<0.084	ug/L	0.084	1	11/14/17 21:56	11/15/17 15:00	375-73-5		
Perfluoroheptanoic acid	<0.0094	ug/L	0.0094	1	11/14/17 21:56	11/15/17 15:00	375-85-9		
Perfluorohexanesulfonic acid	<0.028	ug/L	0.028	1	11/14/17 21:56	11/15/17 15:00	355-46-4		
Perfluorononanoic acid	<0.019	ug/L	0.019	1	11/14/17 21:56	11/15/17 15:00	375-95-1		
Perfluorooctanesulfonic acid	<0.038	ug/L	0.038	1	11/14/17 21:56	11/15/17 15:00	1763-23-1		
Perfluorooctanoic acid	<0.0019	ug/L	0.0019	1	11/14/17 21:56	11/15/17 15:00	335-67-1		
Surrogates									
13C2-PFDA (S)	93	%	70-130	1	11/14/17 21:56	11/15/17 15:00			
13C2-PFHxA (S)	103	%	70-130	1	11/14/17 21:56	11/15/17 15:00			
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 17:48	630-20-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 17:48	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 17:48	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 17:48	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 17:48	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 17:48	75-35-4		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 17:48	563-58-6		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:48	87-61-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/14/17 17:48	96-18-4		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:48	120-82-1		
1,2,4-Trimethylbenzene	34.2	ug/L	1.0	1		11/14/17 17:48	95-63-6		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		11/14/17 17:48	96-12-8	CL	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/14/17 17:48	106-93-4		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:48	95-50-1		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 17:48	107-06-2		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 17:48	78-87-5		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:48	108-67-8		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:48	541-73-1		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 17:48	142-28-9		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:48	106-46-7		
1,4-Dioxane (p-Dioxane)	<100	ug/L	100	1		11/14/17 17:48	123-91-1		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 17:48	594-20-7		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/14/17 17:48	78-93-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/14/17 17:48	110-75-8	1j, CL, L2, c2	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 17:48	95-49-8		
2-Hexanone	<5.0	ug/L	5.0	1		11/14/17 17:48	591-78-6		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 17:48	106-43-4		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/14/17 17:48	108-10-1		
Acetone	16.6	ug/L	5.0	1		11/14/17 17:48	67-64-1		
Benzene	15.7	ug/L	1.0	1		11/14/17 17:48	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		11/14/17 17:48	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		11/14/17 17:48	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/14/17 17:48	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/14/17 17:48	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/14/17 17:48	74-83-9	CL	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001
Pace Project No.: 7035416

Sample: MW-70S		Lab ID: 7035416010		Collected: 11/09/17 14:20		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Carbon disulfide	<1.0	ug/L	1.0	1		11/14/17 17:48	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/14/17 17:48	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:48	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/14/17 17:48	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/14/17 17:48	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/14/17 17:48	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/14/17 17:48	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		11/14/17 17:48	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/14/17 17:48	75-71-8	CL	
Ethylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:48	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/14/17 17:48	87-68-3		
Isopropylbenzene (Cumene)	5.2	ug/L	1.0	1		11/14/17 17:48	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		11/14/17 17:48	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/14/17 17:48	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		11/14/17 17:48	91-20-3		
Styrene	<1.0	ug/L	1.0	1		11/14/17 17:48	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/14/17 17:48	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/14/17 17:48	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		11/14/17 17:48	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/14/17 17:48	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		11/14/17 17:48	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/14/17 17:48	75-01-4	CL	
Xylene (Total)	<2.0	ug/L	2.0	1		11/14/17 17:48	1330-20-7		
cis-1,2-Dichloroethene	2.0	ug/L	1.0	1		11/14/17 17:48	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 17:48	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		11/14/17 17:48	179601-23-1		
n-Butylbenzene	1.0	ug/L	1.0	1		11/14/17 17:48	104-51-8		
n-Propylbenzene	6.6	ug/L	1.0	1		11/14/17 17:48	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		11/14/17 17:48	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/14/17 17:48	99-87-6		
sec-Butylbenzene	1.1	ug/L	1.0	1		11/14/17 17:48	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:48	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 17:48	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 17:48	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	89	%.	68-153	1		11/14/17 17:48	17060-07-0		
4-Bromofluorobenzene (S)	101	%.	79-124	1		11/14/17 17:48	460-00-4		
Toluene-d8 (S)	99	%.	69-124	1		11/14/17 17:48	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	95.6	mg/L	10.0	5		11/14/17 22:06	16887-00-6		
Sulfate	58.7	mg/L	25.0	5		11/14/17 22:06	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		11/11/17 10:01	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		11/11/17 10:01	7727-37-9		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: MW-70S		Lab ID: 7035416010		Collected: 11/09/17 14:20		Received: 11/10/17 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		11/11/17 08:26	14797-65-0	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: DUP-X		Lab ID: 7035416011	Collected: 11/09/17 00:00	Received: 11/10/17 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
537 PFOA Compounds, Water		Analytical Method: EPA 537 Preparation Method: EPA 537						
Perfluorobutanesulfonic acid	<0.082	ug/L	0.082	1	11/14/17 21:56	11/15/17 15:32	375-73-5	
Perfluoroheptanoic acid	<0.0091	ug/L	0.0091	1	11/14/17 21:56	11/15/17 15:32	375-85-9	
Perfluorohexanesulfonic acid	<0.027	ug/L	0.027	1	11/14/17 21:56	11/15/17 15:32	355-46-4	
Perfluorononanoic acid	<0.018	ug/L	0.018	1	11/14/17 21:56	11/15/17 15:32	375-95-1	
Perfluorooctanesulfonic acid	<0.036	ug/L	0.036	1	11/14/17 21:56	11/15/17 15:32	1763-23-1	
Perfluorooctanoic acid	<0.0018	ug/L	0.0018	1	11/14/17 21:56	11/15/17 15:32	335-67-1	
Surrogates								
13C2-PFDA (S)	80	%	70-130	1	11/14/17 21:56	11/15/17 15:32		
13C2-PFHxA (S)	117	%	70-130	1	11/14/17 21:56	11/15/17 15:32		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 17:28	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 17:28	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 17:28	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 17:28	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 17:28	75-34-3	
1,1-Dichloroethene	2.5	ug/L	1.0	1		11/14/17 17:28	75-35-4	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 17:28	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/14/17 17:28	96-18-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	120-82-1	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	95-63-6	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		11/14/17 17:28	96-12-8	CL
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/14/17 17:28	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 17:28	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 17:28	78-87-5	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 17:28	142-28-9	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	106-46-7	
1,4-Dioxane (p-Dioxane)	<100	ug/L	100	1		11/14/17 17:28	123-91-1	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 17:28	594-20-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/14/17 17:28	78-93-3	
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/14/17 17:28	110-75-8	1j, CL, L2, c2
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 17:28	95-49-8	
2-Hexanone	<5.0	ug/L	5.0	1		11/14/17 17:28	591-78-6	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 17:28	106-43-4	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/14/17 17:28	108-10-1	
Acetone	19.4	ug/L	5.0	1		11/14/17 17:28	67-64-1	
Benzene	<1.0	ug/L	1.0	1		11/14/17 17:28	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		11/14/17 17:28	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/14/17 17:28	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/14/17 17:28	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/14/17 17:28	74-83-9	CL

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001
Pace Project No.: 7035416

Sample: DUP-X		Lab ID: 7035416011		Collected: 11/09/17 00:00		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Carbon disulfide	<1.0	ug/L	1.0	1		11/14/17 17:28	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/14/17 17:28	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/14/17 17:28	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/14/17 17:28	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/14/17 17:28	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/14/17 17:28	124-48-1		
Dibromomethane	<1.0	ug/L	1.0	1		11/14/17 17:28	74-95-3		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/14/17 17:28	75-71-8	CL	
Ethylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/14/17 17:28	87-68-3		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/14/17 17:28	98-82-8		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		11/14/17 17:28	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/14/17 17:28	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		11/14/17 17:28	91-20-3		
Styrene	<1.0	ug/L	1.0	1		11/14/17 17:28	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/14/17 17:28	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/14/17 17:28	108-88-3		
Trichloroethene	20.7	ug/L	1.0	1		11/14/17 17:28	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/14/17 17:28	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		11/14/17 17:28	108-05-4		
Vinyl chloride	41.3	ug/L	1.0	1		11/14/17 17:28	75-01-4	CL	
Xylene (Total)	<2.0	ug/L	2.0	1		11/14/17 17:28	1330-20-7		
cis-1,2-Dichloroethene	462	ug/L	5.0	5		11/15/17 19:40	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 17:28	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		11/14/17 17:28	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		11/14/17 17:28	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/14/17 17:28	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:28	98-06-6		
trans-1,2-Dichloroethene	8.6	ug/L	1.0	1		11/14/17 17:28	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 17:28	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	87	%.	68-153	1		11/14/17 17:28	17060-07-0		
4-Bromofluorobenzene (S)	104	%.	79-124	1		11/14/17 17:28	460-00-4		
Toluene-d8 (S)	97	%.	69-124	1		11/14/17 17:28	2037-26-5		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	314	mg/L	20.0	10		11/14/17 22:19	16887-00-6		
Sulfate	29.3	mg/L	5.0	1		11/14/17 03:54	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		11/11/17 10:02	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		11/11/17 10:02	7727-37-9	H1	

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: DUP-X		Lab ID: 7035416011	Collected: 11/09/17 00:00	Received: 11/10/17 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		11/11/17 08:27	14797-65-0	H1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: TRIP BLANK		Lab ID: 7035416012	Collected: 11/09/17 00:00	Received: 11/10/17 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		11/14/17 17:05	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 17:05	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/14/17 17:05	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/14/17 17:05	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 17:05	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 17:05	75-35-4	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 17:05	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/14/17 17:05	96-18-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	120-82-1	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	95-63-6	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		11/14/17 17:05	96-12-8	CL
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/14/17 17:05	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/14/17 17:05	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 17:05	78-87-5	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 17:05	142-28-9	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	106-46-7	
1,4-Dioxane (p-Dioxane)	<100	ug/L	100	1		11/14/17 17:05	123-91-1	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/14/17 17:05	594-20-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/14/17 17:05	78-93-3	
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/14/17 17:05	110-75-8	1j, CL, L2, c2
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 17:05	95-49-8	
2-Hexanone	<5.0	ug/L	5.0	1		11/14/17 17:05	591-78-6	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/14/17 17:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/14/17 17:05	108-10-1	
Acetone	<5.0	ug/L	5.0	1		11/14/17 17:05	67-64-1	
Benzene	<1.0	ug/L	1.0	1		11/14/17 17:05	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		11/14/17 17:05	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/14/17 17:05	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/14/17 17:05	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/14/17 17:05	74-83-9	CL
Carbon disulfide	<1.0	ug/L	1.0	1		11/14/17 17:05	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/14/17 17:05	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		11/14/17 17:05	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		11/14/17 17:05	67-66-3	
Chloromethane	10.6	ug/L	1.0	1		11/14/17 17:05	74-87-3	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		11/14/17 17:05	124-48-1	
Dibromomethane	<1.0	ug/L	1.0	1		11/14/17 17:05	74-95-3	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/14/17 17:05	75-71-8	CL
Ethylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/14/17 17:05	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Sample: TRIP BLANK		Lab ID: 7035416012		Collected: 11/09/17 00:00		Received: 11/10/17 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/14/17 17:05	98-82-8	CL	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		11/14/17 17:05	1634-04-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/14/17 17:05	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		11/14/17 17:05	91-20-3		
Styrene	<1.0	ug/L	1.0	1		11/14/17 17:05	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/14/17 17:05	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/14/17 17:05	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		11/14/17 17:05	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/14/17 17:05	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		11/14/17 17:05	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/14/17 17:05	75-01-4		
Xylene (Total)	<2.0	ug/L	2.0	1		11/14/17 17:05	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 17:05	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 17:05	10061-01-5		
m&p-Xylene	<2.0	ug/L	2.0	1		11/14/17 17:05	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		11/14/17 17:05	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/14/17 17:05	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/14/17 17:05	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/14/17 17:05	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/14/17 17:05	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%.	68-153	1		11/14/17 17:05	17060-07-0		
4-Bromofluorobenzene (S)	106	%.	79-124	1		11/14/17 17:05	460-00-4		
Toluene-d8 (S)	97	%.	69-124	1		11/14/17 17:05	2037-26-5		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

QC Batch: 46634 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7035416001, 7035416002, 7035416003, 7035416005, 7035416007, 7035416008, 7035416009, 7035416010, 7035416011, 7035416012

METHOD BLANK: 217909 Matrix: Water
Associated Lab Samples: 7035416001, 7035416002, 7035416003, 7035416005, 7035416007, 7035416008, 7035416009, 7035416010, 7035416011, 7035416012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	11/14/17 12:59	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	11/14/17 12:59	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	11/14/17 12:59	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	11/14/17 12:59	
1,1-Dichloroethane	ug/L	<1.0	1.0	11/14/17 12:59	
1,1-Dichloroethene	ug/L	<1.0	1.0	11/14/17 12:59	
1,1-Dichloropropene	ug/L	<1.0	1.0	11/14/17 12:59	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	11/14/17 12:59	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	11/14/17 12:59	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	11/14/17 12:59	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	11/14/17 12:59	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	11/14/17 12:59	CL
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	11/14/17 12:59	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	11/14/17 12:59	
1,2-Dichloroethane	ug/L	<1.0	1.0	11/14/17 12:59	
1,2-Dichloropropane	ug/L	<1.0	1.0	11/14/17 12:59	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	11/14/17 12:59	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	11/14/17 12:59	
1,3-Dichloropropane	ug/L	<1.0	1.0	11/14/17 12:59	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	11/14/17 12:59	
1,4-Dioxane (p-Dioxane)	ug/L	<100	100	11/14/17 12:59	
2,2-Dichloropropane	ug/L	<1.0	1.0	11/14/17 12:59	
2-Butanone (MEK)	ug/L	<5.0	5.0	11/14/17 12:59	
2-Chloroethylvinyl ether	ug/L	<1.0	1.0	11/14/17 12:59	CL
2-Chlorotoluene	ug/L	<1.0	1.0	11/14/17 12:59	
2-Hexanone	ug/L	<5.0	5.0	11/14/17 12:59	
4-Chlorotoluene	ug/L	<1.0	1.0	11/14/17 12:59	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	11/14/17 12:59	
Acetone	ug/L	<5.0	5.0	11/14/17 12:59	
Benzene	ug/L	<1.0	1.0	11/14/17 12:59	
Bromobenzene	ug/L	<1.0	1.0	11/14/17 12:59	
Bromochloromethane	ug/L	<1.0	1.0	11/14/17 12:59	
Bromodichloromethane	ug/L	<1.0	1.0	11/14/17 12:59	
Bromoform	ug/L	<1.0	1.0	11/14/17 12:59	
Bromomethane	ug/L	<1.0	1.0	11/14/17 12:59	CL
Carbon disulfide	ug/L	<1.0	1.0	11/14/17 12:59	
Carbon tetrachloride	ug/L	<1.0	1.0	11/14/17 12:59	
Chlorobenzene	ug/L	<1.0	1.0	11/14/17 12:59	
Chloroethane	ug/L	<1.0	1.0	11/14/17 12:59	
Chloroform	ug/L	<1.0	1.0	11/14/17 12:59	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

METHOD BLANK: 217909

Matrix: Water

Associated Lab Samples: 7035416001, 7035416002, 7035416003, 7035416005, 7035416007, 7035416008, 7035416009, 7035416010, 7035416011, 7035416012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/L	<1.0	1.0	11/14/17 12:59	CL
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	11/14/17 12:59	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	11/14/17 12:59	
Dibromochloromethane	ug/L	<1.0	1.0	11/14/17 12:59	
Dibromomethane	ug/L	<1.0	1.0	11/14/17 12:59	
Dichlorodifluoromethane	ug/L	<1.0	1.0	11/14/17 12:59	CL
Ethylbenzene	ug/L	<1.0	1.0	11/14/17 12:59	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	11/14/17 12:59	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	11/14/17 12:59	
m&p-Xylene	ug/L	<2.0	2.0	11/14/17 12:59	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	11/14/17 12:59	
Methylene Chloride	ug/L	<1.0	1.0	11/14/17 12:59	
n-Butylbenzene	ug/L	<1.0	1.0	11/14/17 12:59	
n-Propylbenzene	ug/L	<1.0	1.0	11/14/17 12:59	
Naphthalene	ug/L	<1.0	1.0	11/14/17 12:59	
o-Xylene	ug/L	<1.0	1.0	11/14/17 12:59	
p-Isopropyltoluene	ug/L	<1.0	1.0	11/14/17 12:59	
sec-Butylbenzene	ug/L	<1.0	1.0	11/14/17 12:59	
Styrene	ug/L	<1.0	1.0	11/14/17 12:59	
tert-Butylbenzene	ug/L	<1.0	1.0	11/14/17 12:59	
Tetrachloroethene	ug/L	<1.0	1.0	11/14/17 12:59	
Toluene	ug/L	<1.0	1.0	11/14/17 12:59	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	11/14/17 12:59	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	11/14/17 12:59	
Trichloroethene	ug/L	<1.0	1.0	11/14/17 12:59	
Trichlorofluoromethane	ug/L	<1.0	1.0	11/14/17 12:59	
Vinyl acetate	ug/L	<1.0	1.0	11/14/17 12:59	
Vinyl chloride	ug/L	<1.0	1.0	11/14/17 12:59	CL
Xylene (Total)	ug/L	<2.0	2.0	11/14/17 12:59	
1,2-Dichloroethane-d4 (S)	%	87	68-153	11/14/17 12:59	
4-Bromofluorobenzene (S)	%	102	79-124	11/14/17 12:59	
Toluene-d8 (S)	%	96	69-124	11/14/17 12:59	

LABORATORY CONTROL SAMPLE: 217910

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.1	98	74-113	
1,1,1-Trichloroethane	ug/L	50	44.4	89	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	45.7	91	74-121	
1,1,2-Trichloroethane	ug/L	50	49.7	99	80-117	
1,1-Dichloroethane	ug/L	50	47.6	95	83-151	
1,1-Dichloroethene	ug/L	50	44.0	88	45-146	
1,1-Dichloropropene	ug/L	50	44.0	88	59-127	

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

LABORATORY CONTROL SAMPLE: 217910

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/L	50	39.4	79	67-103	
1,2,3-Trichloropropane	ug/L	50	43.9	88	71-123	
1,2,4-Trichlorobenzene	ug/L	50	44.5	89	66-116	
1,2,4-Trimethylbenzene	ug/L	50	44.7	89	68-116	
1,2-Dibromo-3-chloropropane	ug/L	50	41.5	83	74-119	CL
1,2-Dibromoethane (EDB)	ug/L	50	50.6	101	83-115	
1,2-Dichlorobenzene	ug/L	50	44.3	89	74-113	
1,2-Dichloroethane	ug/L	50	48.3	97	74-129	
1,2-Dichloropropane	ug/L	50	49.7	99	75-117	
1,3,5-Trimethylbenzene	ug/L	50	42.3	85	67-116	
1,3-Dichlorobenzene	ug/L	50	46.5	93	71-112	
1,3-Dichloropropane	ug/L	50	47.1	94	74-112	
1,4-Dichlorobenzene	ug/L	50	45.9	92	71-113	
1,4-Dioxane (p-Dioxane)	ug/L	1250	1080	86	60-140	
2,2-Dichloropropane	ug/L	50	44.9	90	63-133	
2-Butanone (MEK)	ug/L	50	47.7	95	44-162	
2-Chloroethylvinyl ether	ug/L	50	24.8	50	76-121	CL,L2
2-Chlorotoluene	ug/L	50	42.4	85	74-101	
2-Hexanone	ug/L	50	47.4	95	32-183	
4-Chlorotoluene	ug/L	50	43.9	88	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	48.4	97	69-132	
Acetone	ug/L	50	55.3	111	23-188	
Benzene	ug/L	50	48.8	98	73-119	
Bromobenzene	ug/L	50	47.0	94	72-102	
Bromochloromethane	ug/L	50	52.6	105	81-116	
Bromodichloromethane	ug/L	50	51.3	103	78-117	
Bromoform	ug/L	50	52.2	104	65-122	
Bromomethane	ug/L	50	38.4	77	52-147	CL
Carbon disulfide	ug/L	50	43.5	87	41-144	
Carbon tetrachloride	ug/L	50	43.2	86	59-120	
Chlorobenzene	ug/L	50	48.0	96	75-113	
Chloroethane	ug/L	50	40.3	81	49-151	
Chloroform	ug/L	50	49.7	99	72-122	
Chloromethane	ug/L	50	27.2	54	46-144	CL
cis-1,2-Dichloroethene	ug/L	50	49.2	98	72-121	
cis-1,3-Dichloropropene	ug/L	50	51.7	103	78-116	
Dibromochloromethane	ug/L	50	48.9	98	70-120	
Dibromomethane	ug/L	50	49.2	98	75-125	
Dichlorodifluoromethane	ug/L	50	16.9	34	22-154	CL
Ethylbenzene	ug/L	50	46.1	92	70-113	
Hexachloro-1,3-butadiene	ug/L	50	42.8	86	59-121	
Isopropylbenzene (Cumene)	ug/L	50	43.1	86	67-115	
m&p-Xylene	ug/L	100	95.5	96	72-115	
Methyl-tert-butyl ether	ug/L	50	46.3	93	72-131	
Methylene Chloride	ug/L	50	51.9	104	61-142	
n-Butylbenzene	ug/L	50	42.4	85	73-107	
n-Propylbenzene	ug/L	50	43.1	86	68-116	

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

LABORATORY CONTROL SAMPLE: 217910

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	41.6	83	70-118	
o-Xylene	ug/L	50	47.7	95	73-117	
p-Isopropyltoluene	ug/L	50	44.2	88	73-101	
sec-Butylbenzene	ug/L	50	42.5	85	72-103	
Styrene	ug/L	50	49.1	98	72-118	
tert-Butylbenzene	ug/L	50	43.3	87	68-100	
Tetrachloroethene	ug/L	50	50.5	101	60-128	
Toluene	ug/L	50	47.5	95	72-119	
trans-1,2-Dichloroethene	ug/L	50	48.2	96	56-142	
trans-1,3-Dichloropropene	ug/L	50	51.7	103	79-116	
Trichloroethene	ug/L	50	45.6	91	69-117	
Trichlorofluoromethane	ug/L	50	37.8	76	27-173	
Vinyl acetate	ug/L	50	44.8	90	20-158	
Vinyl chloride	ug/L	50	32.8	66	43-143	CL
Xylene (Total)	ug/L	150	143	95	71-109	
1,2-Dichloroethane-d4 (S)	%			93	68-153	
4-Bromofluorobenzene (S)	%			102	79-124	
Toluene-d8 (S)	%			99	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 217911

217912

Parameter	Units	7035416001		MS		MSD		MS		MSD		MS		MSD		% Rec		RPD	Qual
		Result	Spike Conc.	Result	Spike Conc.	Result	Spike Conc.	Result	Spike Conc.	Result	Spike Conc.	% Rec	Spike Conc.	Result	Spike Conc.	Limits	RPD		
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	50	42.9	50.6	86	101	74-113	16									
1,1,1-Trichloroethane	ug/L	<1.0	50	50	44.8	49.0	90	98	65-118	9									
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	39.6	45.3	79	91	74-121	14									
1,1,2-Trichloroethane	ug/L	<1.0	50	50	50.3	49.9	101	100	80-117	1									
1,1-Dichloroethane	ug/L	<1.0	50	50	46.2	52.7	92	105	83-151	13									
1,1-Dichloroethene	ug/L	<1.0	50	50	44.6	49.2	89	98	45-146	10									
1,1-Dichloropropene	ug/L	<1.0	50	50	45.2	48.7	90	97	59-127	7									
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	35.1	41.1	70	82	67-103	16									
1,2,3-Trichloropropane	ug/L	<1.0	50	50	37.1	43.1	74	86	71-123	15									
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	37.9	42.3	76	85	66-116	11									
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50	39.2	46.1	78	92	68-116	16									
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	32.1	40.9	64	82	74-119	24	CL,M1,R1								
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	44.4	48.3	89	97	83-115	9									
1,2-Dichlorobenzene	ug/L	<1.0	50	50	38.3	43.4	77	87	74-113	13									
1,2-Dichloroethane	ug/L	<1.0	50	50	42.1	47.2	84	94	74-129	11									
1,2-Dichloropropane	ug/L	<1.0	50	50	44.6	49.9	89	100	75-117	11									
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50	39.3	44.7	79	89	67-116	13									
1,3-Dichlorobenzene	ug/L	<1.0	50	50	40.9	45.5	82	91	71-112	11									
1,3-Dichloropropane	ug/L	<1.0	50	50	41.6	47.8	83	96	74-112	14									
1,4-Dichlorobenzene	ug/L	<1.0	50	50	40.0	45.2	80	90	71-113	12									
1,4-Dioxane (p-Dioxane)	ug/L	<100	1250	1250	940	994	75	80	60-140	6									
2,2-Dichloropropane	ug/L	<1.0	50	50	42.5	47.7	85	95	63-133	12									

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 217911 217912											
Parameter	Units	7035416001		MS	MSD	MS		MSD	% Rec		Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	Result	% Rec	Limits	
2-Butanone (MEK)	ug/L	7.3	50	50	50	40.6	51.4	67	88	44-162	24 R1
2-Chloroethylvinyl ether	ug/L	<1.0	50	50	50	<1.0	1.1	1	2	76-121	1j,CL,M0
2-Chlorotoluene	ug/L	<1.0	50	50	50	40.5	46.5	81	93	74-101	14
2-Hexanone	ug/L	<5.0	50	50	50	38.5	49.7	77	99	32-183	25 R1
4-Chlorotoluene	ug/L	<1.0	50	50	50	37.0	45.4	74	91	74-101	21 R1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	50	41.3	49.1	83	98	69-132	17
Acetone	ug/L	51.9	50	50	50	69.5	79.8	35	56	23-188	14
Benzene	ug/L	<1.0	50	50	50	45.0	50.7	90	101	73-119	12
Bromobenzene	ug/L	<1.0	50	50	50	40.7	45.5	81	91	72-102	11
Bromochloromethane	ug/L	<1.0	50	50	50	48.1	51.2	96	102	81-116	6
Bromodichloromethane	ug/L	<1.0	50	50	50	45.3	49.8	91	100	78-117	10
Bromoform	ug/L	<1.0	50	50	50	42.2	52.5	84	105	65-122	22 R1
Bromomethane	ug/L	<1.0	50	50	50	30.4	36.7	61	73	52-147	19 CL
Carbon disulfide	ug/L	<1.0	50	50	50	43.4	48.7	87	97	41-144	12
Carbon tetrachloride	ug/L	<1.0	50	50	50	43.3	48.3	87	97	59-120	11
Chlorobenzene	ug/L	<1.0	50	50	50	43.9	51.2	88	102	75-113	15
Chloroethane	ug/L	<1.0	50	50	50	38.9	44.5	78	89	49-151	13
Chloroform	ug/L	<1.0	50	50	50	46.3	50.2	93	100	72-122	8
Chloromethane	ug/L	<1.0	50	50	50	25.3	26.8	51	54	46-144	6 CL
cis-1,2-Dichloroethene	ug/L	80.2	50	50	50	114	124	67	87	72-121	8 M1
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	50	44.4	50.3	89	101	78-116	12
Dibromochloromethane	ug/L	<1.0	50	50	50	42.4	49.4	85	99	70-120	15
Dibromomethane	ug/L	<1.0	50	50	50	42.7	47.3	85	95	75-125	10
Dichlorodifluoromethane	ug/L	<1.0	50	50	50	16.0	18.7	32	37	22-154	16 CL
Ethylbenzene	ug/L	<1.0	50	50	50	44.3	51.5	89	103	70-113	15
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	50	38.2	44.2	76	88	59-121	15
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	50	40.7	45.6	81	91	67-115	11
m&p-Xylene	ug/L	<2.0	100	100	100	86.9	106	87	106	72-115	20
Methyl-tert-butyl ether	ug/L	<1.0	50	50	50	41.1	46.1	82	92	72-131	11
Methylene Chloride	ug/L	<1.0	50	50	50	45.4	51.0	91	102	61-142	12
n-Butylbenzene	ug/L	<1.0	50	50	50	39.5	44.0	79	88	73-107	11
n-Propylbenzene	ug/L	<1.0	50	50	50	40.5	45.2	81	90	68-116	11
Naphthalene	ug/L	<1.0	50	50	50	34.6	42.6	69	85	70-118	21 M1,R1
o-Xylene	ug/L	<1.0	50	50	50	43.7	51.5	87	103	73-117	17
p-Isopropyltoluene	ug/L	<1.0	50	50	50	40.9	44.7	82	89	73-101	9
sec-Butylbenzene	ug/L	<1.0	50	50	50	40.3	43.9	81	88	72-103	8
Styrene	ug/L	<1.0	50	50	50	43.4	52.0	87	104	72-118	18
tert-Butylbenzene	ug/L	<1.0	50	50	50	41.7	48.8	83	98	68-100	16
Tetrachloroethene	ug/L	44.9	50	50	50	77.5	91.8	65	94	60-128	17
Toluene	ug/L	<1.0	50	50	50	44.7	51.3	89	103	72-119	14
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	50	47.1	50.4	94	101	56-142	7
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	50	43.5	50.6	87	101	79-116	15
Trichloroethene	ug/L	34.9	50	50	50	77.3	82.5	85	95	69-117	6
Trichlorofluoromethane	ug/L	<1.0	50	50	50	40.4	45.4	81	91	27-173	12
Vinyl acetate	ug/L	<1.0	50	50	50	55.5	44.8	111	90	20-158	21 R1
Vinyl chloride	ug/L	10.6	50	50	50	43.8	48.0	66	75	43-143	9 CL

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 217911 217912											
Parameter	Units	7035416001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Xylene (Total)	ug/L	<2.0	150	150	131	157	87	105	71-109	19	
1,2-Dichloroethane-d4 (S)	%.						93	82	68-153		
4-Bromofluorobenzene (S)	%.						100	110	79-124		
Toluene-d8 (S)	%.						95	102	69-124		

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

QC Batch:	46885	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	7035416004, 7035416006		

METHOD BLANK: 218901 Matrix: Water

Associated Lab Samples: 7035416004, 7035416006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	11/15/17 18:59	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	11/15/17 18:59	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	11/15/17 18:59	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	11/15/17 18:59	
1,1-Dichloroethane	ug/L	<1.0	1.0	11/15/17 18:59	
1,1-Dichloroethene	ug/L	<1.0	1.0	11/15/17 18:59	
1,1-Dichloropropene	ug/L	<1.0	1.0	11/15/17 18:59	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	11/15/17 18:59	CL
1,2,3-Trichloropropane	ug/L	<1.0	1.0	11/15/17 18:59	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	11/15/17 18:59	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	11/15/17 18:59	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	11/15/17 18:59	CL
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	11/15/17 18:59	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	11/15/17 18:59	
1,2-Dichloroethane	ug/L	<1.0	1.0	11/15/17 18:59	
1,2-Dichloropropane	ug/L	<1.0	1.0	11/15/17 18:59	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	11/15/17 18:59	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	11/15/17 18:59	
1,3-Dichloropropane	ug/L	<1.0	1.0	11/15/17 18:59	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	11/15/17 18:59	
1,4-Dioxane (p-Dioxane)	ug/L	<100	100	11/15/17 18:59	
2,2-Dichloropropane	ug/L	<1.0	1.0	11/15/17 18:59	
2-Butanone (MEK)	ug/L	<5.0	5.0	11/15/17 18:59	
2-Chloroethylvinyl ether	ug/L	<1.0	1.0	11/15/17 18:59	CL
2-Chlorotoluene	ug/L	<1.0	1.0	11/15/17 18:59	
2-Hexanone	ug/L	<5.0	5.0	11/15/17 18:59	
4-Chlorotoluene	ug/L	<1.0	1.0	11/15/17 18:59	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	11/15/17 18:59	
Acetone	ug/L	<5.0	5.0	11/15/17 18:59	
Benzene	ug/L	<1.0	1.0	11/15/17 18:59	
Bromobenzene	ug/L	<1.0	1.0	11/15/17 18:59	
Bromochloromethane	ug/L	<1.0	1.0	11/15/17 18:59	
Bromodichloromethane	ug/L	<1.0	1.0	11/15/17 18:59	
Bromoform	ug/L	<1.0	1.0	11/15/17 18:59	
Bromomethane	ug/L	<1.0	1.0	11/15/17 18:59	
Carbon disulfide	ug/L	<1.0	1.0	11/15/17 18:59	
Carbon tetrachloride	ug/L	<1.0	1.0	11/15/17 18:59	
Chlorobenzene	ug/L	<1.0	1.0	11/15/17 18:59	
Chloroethane	ug/L	<1.0	1.0	11/15/17 18:59	
Chloroform	ug/L	<1.0	1.0	11/15/17 18:59	
Chloromethane	ug/L	<1.0	1.0	11/15/17 18:59	CL

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

METHOD BLANK: 218901

Matrix: Water

Associated Lab Samples: 7035416004, 7035416006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	11/15/17 18:59	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	11/15/17 18:59	
Dibromochloromethane	ug/L	<1.0	1.0	11/15/17 18:59	
Dibromomethane	ug/L	<1.0	1.0	11/15/17 18:59	
Dichlorodifluoromethane	ug/L	<1.0	1.0	11/15/17 18:59	CL
Ethylbenzene	ug/L	<1.0	1.0	11/15/17 18:59	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	11/15/17 18:59	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	11/15/17 18:59	
m&p-Xylene	ug/L	<2.0	2.0	11/15/17 18:59	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	11/15/17 18:59	
Methylene Chloride	ug/L	<1.0	1.0	11/15/17 18:59	
n-Butylbenzene	ug/L	<1.0	1.0	11/15/17 18:59	
n-Propylbenzene	ug/L	<1.0	1.0	11/15/17 18:59	
Naphthalene	ug/L	<1.0	1.0	11/15/17 18:59	
o-Xylene	ug/L	<1.0	1.0	11/15/17 18:59	
p-Isopropyltoluene	ug/L	<1.0	1.0	11/15/17 18:59	
sec-Butylbenzene	ug/L	<1.0	1.0	11/15/17 18:59	
Styrene	ug/L	<1.0	1.0	11/15/17 18:59	
tert-Butylbenzene	ug/L	<1.0	1.0	11/15/17 18:59	
Tetrachloroethene	ug/L	<1.0	1.0	11/15/17 18:59	
Toluene	ug/L	<1.0	1.0	11/15/17 18:59	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	11/15/17 18:59	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	11/15/17 18:59	
Trichloroethene	ug/L	<1.0	1.0	11/15/17 18:59	
Trichlorofluoromethane	ug/L	<1.0	1.0	11/15/17 18:59	
Vinyl acetate	ug/L	<1.0	1.0	11/15/17 18:59	
Vinyl chloride	ug/L	<1.0	1.0	11/15/17 18:59	CL
Xylene (Total)	ug/L	<2.0	2.0	11/15/17 18:59	
1,2-Dichloroethane-d4 (S)	%	89	68-153	11/15/17 18:59	
4-Bromofluorobenzene (S)	%	100	79-124	11/15/17 18:59	
Toluene-d8 (S)	%	92	69-124	11/15/17 18:59	

LABORATORY CONTROL SAMPLE: 218902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.1	100	74-113	
1,1,1-Trichloroethane	ug/L	50	47.3	95	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	46.6	93	74-121	
1,1,2-Trichloroethane	ug/L	50	50.7	101	80-117	
1,1-Dichloroethane	ug/L	50	51.5	103	83-151	
1,1-Dichloroethene	ug/L	50	49.8	100	45-146	
1,1-Dichloropropene	ug/L	50	46.5	93	59-127	
1,2,3-Trichlorobenzene	ug/L	50	37.9	76	67-103	
1,2,3-Trichloropropane	ug/L	50	43.5	87	71-123	

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

LABORATORY CONTROL SAMPLE: 218902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.3	85	66-116	
1,2,4-Trimethylbenzene	ug/L	50	44.2	88	68-116	
1,2-Dibromo-3-chloropropane	ug/L	50	38.7	77	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	51.0	102	83-115	
1,2-Dichlorobenzene	ug/L	50	43.4	87	74-113	
1,2-Dichloroethane	ug/L	50	49.7	99	74-129	
1,2-Dichloropropane	ug/L	50	51.0	102	75-117	
1,3,5-Trimethylbenzene	ug/L	50	41.9	84	67-116	
1,3-Dichlorobenzene	ug/L	50	45.7	91	71-112	
1,3-Dichloropropane	ug/L	50	48.1	96	74-112	
1,4-Dichlorobenzene	ug/L	50	44.5	89	71-113	
1,4-Dioxane (p-Dioxane)	ug/L	1250	1210	97	60-140	
2,2-Dichloropropane	ug/L	50	50.5	101	63-133	
2-Butanone (MEK)	ug/L	50	52.8	106	44-162	
2-Chloroethylvinyl ether	ug/L	50	24.5	49	76-121	CL,L2
2-Chlorotoluene	ug/L	50	44.6	89	74-101	
2-Hexanone	ug/L	50	50.9	102	32-183	
4-Chlorotoluene	ug/L	50	43.7	87	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	52.6	105	69-132	
Acetone	ug/L	50	51.6	103	23-188	
Benzene	ug/L	50	51.8	104	73-119	
Bromobenzene	ug/L	50	46.2	92	72-102	
Bromochloromethane	ug/L	50	57.3	115	81-116	
Bromodichloromethane	ug/L	50	52.0	104	78-117	
Bromoform	ug/L	50	53.7	107	65-122	
Bromomethane	ug/L	50	41.3	83	52-147	
Carbon disulfide	ug/L	50	46.8	94	41-144	
Carbon tetrachloride	ug/L	50	46.6	93	59-120	
Chlorobenzene	ug/L	50	49.8	100	75-113	
Chloroethane	ug/L	50	43.4	87	49-151	
Chloroform	ug/L	50	51.9	104	72-122	
Chloromethane	ug/L	50	27.8	56	46-144	CL
cis-1,2-Dichloroethene	ug/L	50	52.9	106	72-121	
cis-1,3-Dichloropropene	ug/L	50	52.7	105	78-116	
Dibromochloromethane	ug/L	50	48.9	98	70-120	
Dibromomethane	ug/L	50	49.5	99	75-125	
Dichlorodifluoromethane	ug/L	50	16.9	34	22-154	CL
Ethylbenzene	ug/L	50	50.4	101	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	99.5	99	72-115	
Methyl-tert-butyl ether	ug/L	50	49.7	99	72-131	
Methylene Chloride	ug/L	50	52.2	104	61-142	
n-Butylbenzene	ug/L	50	41.1	82	73-107	
n-Propylbenzene	ug/L	50	44.4	89	68-116	
Naphthalene	ug/L	50	41.8	84	70-118	
o-Xylene	ug/L	50	50.2	100	73-117	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

LABORATORY CONTROL SAMPLE: 218902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	50	42.1	84	73-101	
sec-Butylbenzene	ug/L	50	41.1	82	72-103	
Styrene	ug/L	50	50.1	100	72-118	
tert-Butylbenzene	ug/L	50	44.1	88	68-100	
Tetrachloroethene	ug/L	50	45.0	90	60-128	
Toluene	ug/L	50	51.2	102	72-119	
trans-1,2-Dichloroethene	ug/L	50	50.9	102	56-142	
trans-1,3-Dichloropropene	ug/L	50	52.9	106	79-116	
Trichloroethene	ug/L	50	48.1	96	69-117	
Trichlorofluoromethane	ug/L	50	42.2	84	27-173	
Vinyl acetate	ug/L	50	53.7	107	20-158	
Vinyl chloride	ug/L	50	35.2	70	43-143	CL
Xylene (Total)	ug/L	150	150	100	71-109	
1,2-Dichloroethane-d4 (S)	%			99	68-153	
4-Bromofluorobenzene (S)	%			103	79-124	
Toluene-d8 (S)	%			97	69-124	

SAMPLE DUPLICATE: 219016

Parameter	Units	7035154001 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		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	<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		
1,4-Dioxane (p-Dioxane)	ug/L	<100	<100		
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Chloroethylvinyl ether	ug/L	<1.0	<1.0		CL
2-Chlorotoluene	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

SAMPLE DUPLICATE: 219016

Parameter	Units	7035154001 Result	Dup Result	RPD	Qualifiers
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	8.5	88.0	165	D6
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	26.6	29.2	9	
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	1.9	2.1	10	
Chloromethane	ug/L	2.2	11.6	135	CL,D6
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		
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	42.3	44.2	4	
Trichlorofluoromethane	ug/L	<1.0	<1.0		
Vinyl acetate	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		CL
Xylene (Total)	ug/L	<2.0	<2.0		
1,2-Dichloroethane-d4 (S)	%.	92	86	7	
4-Bromofluorobenzene (S)	%.	102	104	2	
Toluene-d8 (S)	%.	98	99	1	

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

QC Batch:	405496	Analysis Method:	EPA 537
QC Batch Method:	EPA 537	Analysis Description:	537 PFOA Compounds, Water
Associated Lab Samples:	7035416001, 7035416002, 7035416003, 7035416004, 7035416005, 7035416006, 7035416007, 7035416008, 7035416009, 7035416010, 7035416011		

METHOD BLANK:	2213732	Matrix:	Water
Associated Lab Samples:	7035416001, 7035416002, 7035416003, 7035416004, 7035416005, 7035416006, 7035416007, 7035416008, 7035416009, 7035416010, 7035416011		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Perfluorobutanesulfonic acid	ug/L	<0.090	0.090	11/15/17 11:17	
Perfluoroheptanoic acid	ug/L	<0.010	0.010	11/15/17 11:17	
Perfluorohexanesulfonic acid	ug/L	<0.030	0.030	11/15/17 11:17	
Perfluorononanoic acid	ug/L	<0.020	0.020	11/15/17 11:17	
Perfluorooctanesulfonic acid	ug/L	<0.040	0.040	11/15/17 11:17	
Perfluorooctanoic acid	ug/L	<0.0020	0.0020	11/15/17 11:17	
13C2-PFDA (S)	%	102	70-130	11/15/17 11:17	
13C2-PFHxA (S)	%	99	70-130	11/15/17 11:17	

LABORATORY CONTROL SAMPLE: 2213733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Perfluorobutanesulfonic acid	ug/L	.9	0.97	109	50-150	
Perfluoroheptanoic acid	ug/L	.1	0.10	104	50-150	
Perfluorohexanesulfonic acid	ug/L	.3	0.35	117	50-150	
Perfluorononanoic acid	ug/L	.2	0.21	105	50-150	
Perfluorooctanesulfonic acid	ug/L	.4	0.48	121	50-150	
Perfluorooctanoic acid	ug/L	.2	0.21	105	50-150	
13C2-PFDA (S)	%			120	70-130	
13C2-PFHxA (S)	%			113	70-130	

LABORATORY CONTROL SAMPLE: 2213734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Perfluorobutanesulfonic acid	ug/L	.09	0.11	117	50-150	
Perfluoroheptanoic acid	ug/L	.01	0.011	106	50-150	
Perfluorohexanesulfonic acid	ug/L	.03	0.034	113	50-150	
Perfluorononanoic acid	ug/L	.02	0.024	121	50-150	
Perfluorooctanesulfonic acid	ug/L	.04	0.045	114	50-150	
Perfluorooctanoic acid	ug/L	.02	0.022	109	50-150	
13C2-PFDA (S)	%			107	70-130	
13C2-PFHxA (S)	%			102	70-130	

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2213735 2213736											
Parameter	Units	7035416001		MS		MSD		MS		MSD	
		Result	Conc.	Spike	Conc.	Spike	Conc.	Result	Conc.	Spike	Conc.
Perfluorobutanesulfonic acid	ug/L	<0.080	.79	.8	1.1	1.0	133	129	70-130	3	M1
Perfluoroheptanoic acid	ug/L	<0.0089	.088	.089	0.099	0.11	112	118	70-130	6	
Perfluorohexanesulfonic acid	ug/L	<0.027	.26	.27	0.32	0.31	120	116	70-130	3	
Perfluorononanoic acid	ug/L	<0.018	.18	.18	0.19	0.19	107	110	70-130	3	
Perfluorooctanesulfonic acid	ug/L	<0.036	.35	.35	0.41	0.41	117	116	70-130	0	
Perfluorooctanoic acid	ug/L	<0.0018	.18	.18	0.19	0.20	110	113	70-130	3	
13C2-PFDA (S)	%						113	120	70-130		
13C2-PFHxA (S)	%						132	133	70-130		S0

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

QC Batch:	46297	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
Associated Lab Samples:	7035416001, 7035416002, 7035416003, 7035416004, 7035416005, 7035416006, 7035416007, 7035416008, 7035416009, 7035416010, 7035416011		

METHOD BLANK:	216341	Matrix:	Water
Associated Lab Samples:	7035416001, 7035416002, 7035416003, 7035416004, 7035416005, 7035416006, 7035416007, 7035416008, 7035416009, 7035416010, 7035416011		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	11/13/17 22:30	
Sulfate	mg/L	<5.0	5.0	11/13/17 22:30	

LABORATORY CONTROL SAMPLE: 216342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.2	92	90-110	
Sulfate	mg/L	10	9.3	93	90-110	

MATRIX SPIKE SAMPLE: 216349

Parameter	Units	7035416001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	760	500	1340	116	80-120	
Sulfate	mg/L	67.7	50	118	101	80-120	

SAMPLE DUPLICATE: 216350

Parameter	Units	7035416001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	760	776	2	
Sulfate	mg/L	67.7	67.0	1	

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

QC Batch:	46211	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
Associated Lab Samples:	7035416001, 7035416002, 7035416003, 7035416004, 7035416005, 7035416006, 7035416007, 7035416008, 7035416009, 7035416010, 7035416011		

METHOD BLANK:	216051	Matrix:	Water
Associated Lab Samples:	7035416001, 7035416002, 7035416003, 7035416004, 7035416005, 7035416006, 7035416007, 7035416008, 7035416009, 7035416010, 7035416011		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	11/11/17 08:08	

LABORATORY CONTROL SAMPLE: 216052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	101	90-110	

MATRIX SPIKE SAMPLE: 216053

Parameter	Units	7035416001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.52	103	90-110	

MATRIX SPIKE SAMPLE: 216055

Parameter	Units	7035497003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.52	104	90-110	

SAMPLE DUPLICATE: 216054

Parameter	Units	7035416001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 216056

Parameter	Units	7035497003 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: ALCO 1368.001.001

Pace Project No.: 7035416

QC Batch:	46214	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate, Unpres.
Associated Lab Samples:	7035416001, 7035416002, 7035416003, 7035416004, 7035416005, 7035416006, 7035416007, 7035416008, 7035416009, 7035416010, 7035416011		

METHOD BLANK: 216064 Matrix: Water
Associated Lab Samples: 7035416001, 7035416002, 7035416003, 7035416004, 7035416005, 7035416006, 7035416007, 7035416008, 7035416009, 7035416010, 7035416011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	11/11/17 09:43	

LABORATORY CONTROL SAMPLE: 216065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.97	97	90-110	

MATRIX SPIKE SAMPLE: 216066

Parameter	Units	7035416001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	.5	0.53	106	90-110	

MATRIX SPIKE SAMPLE: 216068

Parameter	Units	7035436002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	5	4.8	97	90-110	

SAMPLE DUPLICATE: 216067

Parameter	Units	7035416001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 216069

Parameter	Units	7035436002 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.50		

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QUALIFIERS

Project: ALCO 1368.001.001

Pace Project No.: 7035416

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.

LABORATORIES

PACE-MV Pace Analytical Services - Melville

PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

1j	2-Chloroethylvinyl ether not reportable due to improper sample preservation.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
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.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.
c2	Acid preservation may not be appropriate for the analysis of 2-Chloroethylvinyl ether.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7035416001	MW-65(MS/MSD)	EPA 537	405496	EPA 537	405642
7035416002	MW-64S	EPA 537	405496	EPA 537	405642
7035416003	MW-64D	EPA 537	405496	EPA 537	405642
7035416004	MW-62	EPA 537	405496	EPA 537	405642
7035416005	MW-67	EPA 537	405496	EPA 537	405642
7035416006	MW-68	EPA 537	405496	EPA 537	405642
7035416007	MW-46	EPA 537	405496	EPA 537	405642
7035416008	MW-19	EPA 537	405496	EPA 537	405642
7035416009	MW-70D	EPA 537	405496	EPA 537	405642
7035416010	MW-70S	EPA 537	405496	EPA 537	405642
7035416011	DUP-X	EPA 537	405496	EPA 537	405642
7035416001	MW-65(MS/MSD)	EPA 8260C/5030C	46634		
7035416002	MW-64S	EPA 8260C/5030C	46634		
7035416003	MW-64D	EPA 8260C/5030C	46634		
7035416004	MW-62	EPA 8260C/5030C	46885		
7035416005	MW-67	EPA 8260C/5030C	46634		
7035416006	MW-68	EPA 8260C/5030C	46885		
7035416007	MW-46	EPA 8260C/5030C	46634		
7035416008	MW-19	EPA 8260C/5030C	46634		
7035416009	MW-70D	EPA 8260C/5030C	46634		
7035416010	MW-70S	EPA 8260C/5030C	46634		
7035416011	DUP-X	EPA 8260C/5030C	46634		
7035416012	TRIP BLANK	EPA 8260C/5030C	46634		
7035416001	MW-65(MS/MSD)	EPA 300.0	46297		
7035416002	MW-64S	EPA 300.0	46297		
7035416003	MW-64D	EPA 300.0	46297		
7035416004	MW-62	EPA 300.0	46297		
7035416005	MW-67	EPA 300.0	46297		
7035416006	MW-68	EPA 300.0	46297		
7035416007	MW-46	EPA 300.0	46297		
7035416008	MW-19	EPA 300.0	46297		
7035416009	MW-70D	EPA 300.0	46297		
7035416010	MW-70S	EPA 300.0	46297		
7035416011	DUP-X	EPA 300.0	46297		
7035416001	MW-65(MS/MSD)	EPA 353.2	46214		
7035416002	MW-64S	EPA 353.2	46214		
7035416003	MW-64D	EPA 353.2	46214		
7035416004	MW-62	EPA 353.2	46214		
7035416005	MW-67	EPA 353.2	46214		
7035416006	MW-68	EPA 353.2	46214		
7035416007	MW-46	EPA 353.2	46214		
7035416008	MW-19	EPA 353.2	46214		
7035416009	MW-70D	EPA 353.2	46214		
7035416010	MW-70S	EPA 353.2	46214		
7035416011	DUP-X	EPA 353.2	46214		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO 1368.001.001

Pace Project No.: 7035416

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7035416001	MW-65(MS/MSD)	EPA 353.2	46211		
7035416002	MW-64S	EPA 353.2	46211		
7035416003	MW-64D	EPA 353.2	46211		
7035416004	MW-62	EPA 353.2	46211		
7035416005	MW-67	EPA 353.2	46211		
7035416006	MW-68	EPA 353.2	46211		
7035416007	MW-46	EPA 353.2	46211		
7035416008	MW-19	EPA 353.2	46211		
7035416009	MW-70D	EPA 353.2	46211		
7035416010	MW-70S	EPA 353.2	46211		
7035416011	DUP-X	EPA 353.2	46211		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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WO#: 7035416



Section A

Required Client Information:

Company:	Barton and Loguidice-Albany
Address:	10 Airline Drive Suite 200 Albany, NY 12205 <i>esteyanmiller</i>
Email:	<i>smccormick</i> @bartonandloguidice.com
Phone:	518-218-1801
Fax:	
Requested Due Date:	<i>Standard</i>

Section B

Required Project Information:

Report To: Rosemary McCormick Carrie Stummales
Copy To: _____
Purchase Order #: _____
Project Name: General ALCO
Project #: 1368 001.001

Section C

Invoice Information:

7035416

Company Name: B+L
Attention: Accounts Payable
Address: 443 Electronics Parkway, Liverpool
Pace Quote:
Pace Project Manager: cattlin.panzarella@pacelabs.com
Pace Profile #:

Regulatory Agency

State / Location

77

ITEM #	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	DATE		TIME	REQUISITIONED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS		TEMP IN C	Received on	Custody (Y/N)	Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)		
			START	END		DATE	TIME		DATE	TIME			DATE	TIME			DATE	TIME							DATE	TIME
1	MW-65 (MS MSD)				11/9/17	10:15																				
2	MW-645					10:45																				
3	MW-646					11:00																				
4	MW-62					11:30																				
5	MW-67					12:45																				
6	MW-68					12:30																				
7	MW-46					13:25																				
8	MW-19					13:00																				
9	MW-70D					14:05																				
10	MW-70S					14:20																				
11	QW-X																									
12	Trip Blank																									
<p>Additional Comments: pfoa shipped directly to sub-lab, no volume recd for 14 brox, limited unpreserved volume recd.</p>																										
<p>Signature: [Signature]</p>																										

Sample Condition Upon Receipt

Pace Analytical*
LABORATORY

Client Name: _____

Pro

WO#: 7035416

PM: CNP Due Date: 11/16/17

CLIENT: B&L

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

Tracking #: 4099 9470 6427

Custody Seal on Cooler/Box Present: ☐ Yes ☐ NoSeals intact: ☒ Yes ☐ NoPacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Ziploc ☐ None ☐ OtherType of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TH092

Correction Factor: +0.1

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 5.4

Cooler Temperature Corrected (°C): 5.4

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing in 6.0°C

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

Date and Initials of person examining contents: SB 11/10/17

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ NoDid 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

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:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	8.
Correct Containers Used:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	9.
-Pace Containers Used:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers Intact:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix SL WT OIL			
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # 40601354			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)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> 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:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #			
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):			

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

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

F-LI-C-002-rev.01

Attachment D

Site Annual Inspection Form

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

Site Name: ALCO - Site, Parcels A+B
 Site No.: A: C447042 B: C447043
 Site Address: 301 Nutt St, Schenectady NY
 Owner: Maxon ALCO Holdings, LLC
 Owner Address: 695 Rotterdam Industrial Park
Schenectady, NY 12306

Date: 1/28/17
 Inspected By: Gynne Steinmuller
 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			Minor tax map amendments have occurred.
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			
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:	<p>All areas of soil cover are well maintained. Most recent area was hydroseeded in December, so while no growth has occurred, no areas of erosion were observed. No problems in any capped area.</p>			

Attachment E

Cover System Photos



Photo 1. Parcel A – June 2017 during construction, prior to capping.



Photo 2. Parcel A – remaining portion being capped, November 2017.



Photo 3. Parcel A – remaining portion being capped, November 2017.



Photo 4. Parcel A – Parcel A - Hydroseeded cap, January 2018. Note: erosion occurred after heavy rains. Area was repaired as weathered allowed in February 2018.



Photo 5. Parcel A capping completed in 2017, photo taken November 2017.



Photo 6. Parcel A capping completed in 2017, photo taken November 2017.



Photo 7. Parcel A capping completed in 2017, photo taken November 2017.

Site Assessment and Inspection Report (SPDES GP-0-15-002, Part IV.C.4)

Name of Facility: Mohawk Harbor	Permit Number: NYR11A172
Location: Schenectady, New York	
Date of Inspection: February 2, 2018	Time of Inspection: 8:45 am
Weather: Clear - 20 Degrees	Rainfall Since Last Inspection: 0.04"R - 0.1"S
Purpose of Inspection: Weekly Inspection	Inspector: KPB

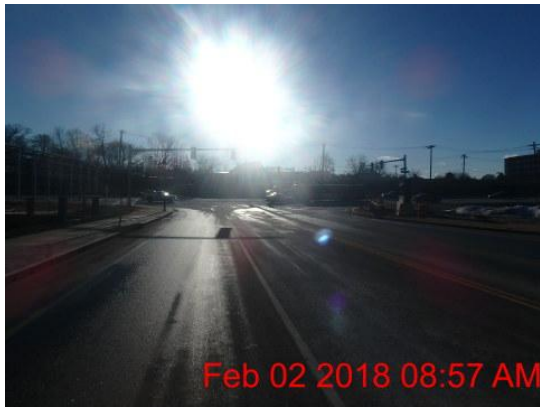
Report E-Mail Distribution List:

1.	Recipient: Owner's Representative Steve Luciano	E-mail: sluciano@galesi.com
2.	Recipient: Owner's Representative Dean Sommer	E-mail: dsommer@youngsommer.com
3.	Recipient: Design Engineer Dan Hershberg	E-mail: dan@hhershberg.com
4.	Recipient: Design Engineer Sean McCloskey	E-mail: sean@hhershberg.com
5.	Recipient: Town Official Christopher Wallin	E-mail: cwallin@schenectadyny.gov
6.	Recipient: Site Contractor Brian Barton	E-mail: bbarton@rifenburg.net
7.	Recipient: Site Contractor Austin DiSiena	E-mail: adisiena@rifenburg.net
8.	Recipient: Environmental Consultant Andrew Barber	E-mail: abarber@bartonandloguidice.com
9.	Recipient: Site Contractor Bill DeMaria	E-mail: bdemaria@rifenburg.net
10.	Recipient: General Contractor Brent Kosoc	E-mail: bkosoc@bblconstructionservices.com
11.	Recipient: General Contractor Tim Hanke	E-mail: tim.hanke@leCHASE.com
12.	Recipient: Town Official James Hart	E-mail: JHart@schenectadyny.gov
13.	Recipient: NYSDEC Mary Barrie	E-mail: mary.barrie@dec.ny.gov
14.	Recipient: NYSDEC John Strang	E-mail: john.strang@dec.ny.gov
15.	Recipient: Site Contractor Jillian McKinley	E-mail: jmckinley@galesi.com

Prepared by:

A handwritten signature in blue ink, appearing to read 'KPB', is written over a horizontal line.

Kenneth P. Barber, PE, CPESC & CPSWQ
Qualified Professional

General Site Observations:**Site Conditions****Soil Conditions:**

- ☒ Dry
☐ Wet
☐ Saturated
☐ Frozen
☐ Snow Covered

Offsite Sediment Tracking:

- ☒ None
☐ Light
☐ Moderate
☐ Heavy

Discharge:

- ☒ None
☐ Light
☐ Moderate
☐ Heavy

Condition of Discharge:

- ☒ N/A
☐ Clean
☐ Evidence of Turbidity

Contrast to receiving water?

- ☐ Yes ☐ No ☒ N/A

Additional Comments:**General Clearing & Grading: Harbor****Clearing:**

- ☒ Vegetation cleared
☒ Soils disturbed

Grading:

- ☐ Exporting material
☐ Importing material
☐ Soils stockpiled

ESC Devices:

- ☒ Stabilized entrance
☐ Perimeter protection
☒ Temporary stabilization

Recommendations:

- ☐ Install stabilized entrance
☐ Repair/maintain stabilized entrance
☐ Enlarge stabilized entrance
☐ Restrict traffic to entrance
☐ Install perimeter protection
☐ Repair/stabilize perimeter protection
☐ Install outlet for perimeter protection
☐ Stabilize exposed soils
☒ Repair eroded soils and stabilize
☐ Continue to monitor exposed soils

Additional Comments:**Construction Entrance: Harbor****Condition:**

- ☐ Properly maintained and effective
☒ Installed pursuant to standards and specifications
☒ Traffic restricted to entrance when leaving and reentering site
☒ Adequate drainage provided to prevent ponding

Recommendation(s):

- ☐ Install entrance
☒ Top dress entrance
☐ Repair stone entrance
☒ Continue maintenance, as needed
☐ Widen stone entrance
☐ Lengthen stone entrance
☐ Sweep adjacent pavement
☐ Regrade entrance

Additional Comments:

Interior Road**Road:**

- ☐ Road at subgrade
- ☐ Utility work underway
- ☐ Utility work complete
- ☐ Subbase installed
- ☒ Pavement installed

Shoulder:

- ☒ Right of way graded
- ☐ Utility work underway
- ☒ Utility work complete
- ☒ Soils stabilized

Recommendations:

- ☐ Install perimeter protection
- ☐ Repair/stabilize perimeter protection
- ☐ Install outlet for perimeter protection
- ☐ Install inlet protection
- ☐ Install subbase
- ☐ Grade and stabilize shoulders
- ☐ Repair eroded soils and stabilize

Sediment Tracking: ☐ Yes ☒ No

- ☒ Sweep pavement daily, as needed
- ☐ Restrict traffic to paved areas

Additional Comments:**Interior Road****Road:**

- ☐ Road at subgrade
- ☐ Utility work underway
- ☐ Utility work complete
- ☐ Subbase installed
- ☒ Pavement installed

Shoulder:

- ☒ Right of way graded
- ☐ Utility work underway
- ☒ Utility work complete
- ☒ Soils stabilized

Recommendations:

- ☐ Install perimeter protection
- ☐ Repair/stabilize perimeter protection
- ☐ Install outlet for perimeter protection
- ☐ Install inlet protection
- ☐ Install subbase
- ☐ Grade and stabilize shoulders
- ☐ Repair eroded soils and stabilize

Sediment Tracking: ☐ Yes ☒ No

- ☒ Sweep pavement daily, as needed
- ☒ Restrict traffic to paved areas

Additional Comments:**Site Stabilization: Harbor****Paved Area:**

- ☐ Paved area at subgrade
- ☐ Utility work underway
- ☐ Utility work complete
- ☐ Subbase installed
- ☒ Pavement installed

Green Spaces:

- ☐ Grading complete
- ☒ Landscaping complete
- ☐ Temporarily stabilized
- ☒ Permanently stabilized

Recommendations:

- ☐ Install perimeter protection
- ☐ Repair/stabilize perimeter protection
- ☐ Remove perimeter protection
- ☐ Install inlet protection
- ☐ Install subbase
- ☐ Grade and stabilize green spaces
- ☐ Repair eroded soils and stabilize

Sediment Tracking: ☐ Yes ☒ No

- ☐ Sweep pavement daily, as needed
- ☐ Restrict traffic to paved areas

Additional Comments:

Building Area: Apartments

- ☐ Soils cleared
- ☐ Foundation underway
- ☐ Foundation complete
- ☐ Building work underway
- ☒ Building work complete
- ☐ Temporarily stabilized
- ☒ Permanently stabilized
- ☒ Pavement installed

ESC Devices:

- ☐ Stabilized entrance
- ☐ Perimeter protection

Recommendations:

- ☐ Install stabilized entrance
- ☐ Repair/maintain stabilized entrance
- ☐ Restrict traffic to entrance
- ☐ Install perimeter protection
- ☐ Repair/stabilize perimeter protection
- ☐ Install outlet for perimeter protection
- ☐ Stabilize exposed soils
- ☐ Remove lot controls and stabilize
- ☐ Repair eroded soils and stabilize
- ☐ Control roof runoff

Additional Comments:**Building Area: Retail Building**

- ☐ Soils cleared
- ☐ Foundation underway
- ☐ Foundation complete
- ☐ Building work underway
- ☒ Building work complete
- ☐ Temporarily stabilized
- ☒ Permanently stabilized
- ☒ Pavement installed

ESC Devices:

- ☐ Stabilized entrance
- ☐ Perimeter protection

Recommendations:

- ☐ Install stabilized entrance
- ☐ Repair/maintain stabilized entrance
- ☐ Restrict traffic to entrance
- ☐ Install perimeter protection
- ☐ Repair/stabilize perimeter protection
- ☐ Install outlet for perimeter protection
- ☒ Stabilize exposed soils
- ☐ Remove lot controls and stabilize
- ☐ Repair eroded soils and stabilize
- ☐ Control roof runoff

Additional Comments:**Building Area: Office Building**

- ☐ Soils cleared
- ☐ Foundation underway
- ☐ Foundation complete
- ☒ Building work underway
- ☐ Building work complete
- ☐ Temporarily stabilized
- ☐ Permanently stabilized
- ☒ Pavement installed

ESC Devices:

- ☐ Stabilized entrance
- ☐ Perimeter protection

Recommendations:

- ☐ Install stabilized entrance
- ☐ Repair/maintain stabilized entrance
- ☐ Restrict traffic to entrance
- ☐ Install perimeter protection
- ☐ Repair/stabilize perimeter protection
- ☐ Install outlet for perimeter protection
- ☒ Stabilize exposed soils
- ☐ Remove lot controls and stabilize
- ☐ Repair eroded soils and stabilize
- ☐ Control roof runoff

Additional Comments:

Building Area: Townhouses

- ☐ Soils cleared
- ☐ Foundation underway
- ☐ Foundation complete
- ☒ Building work underway
- ☐ Building work complete
- ☐ Temporarily stabilized
- ☒ Permanently stabilized
- ☒ Subbase installed

ESC Devices:

- ☐ Stabilized entrance
- ☐ Perimeter protection

Recommendations:

- ☐ Install stabilized entrance
- ☐ Repair/maintain stabilized entrance
- ☐ Restrict traffic to entrance
- ☐ Install perimeter protection
- ☐ Repair/stabilize perimeter protection
- ☐ Install outlet for perimeter protection
- ☐ Stabilize exposed soils
- ☐ Remove lot controls and stabilize
- ☐ Repair eroded soils and stabilize
- ☐ Control roof runoff

Additional Comments:**Perimeter Protection: Silt Fence****Condition:**

- ☒ Silt fence installed in accordance with NYSDEC specifications
- ☐ Silt fence in need of maintenance or repair
- ☐ Silt fence nearing or exceeding capacity

Recommendation(s):

- ☒ Continue inspection and maintenance, as needed
- ☐ Properly reinstall and maintain fencing
- ☐ Repair toppled sections and maintain fencing
- ☐ Remove excess sediment and maintain fencing
- ☐ Remove fencing and replace with perimeter berm
- ☒ Remove unnecessary fencing and stabilize disturbed soils

Additional Comments:**Designated Concrete Washout Pit****Condition:**

- ☒ Adequate capacity to ensure containment
- ☒ Properly installed stone access
- ☒ Site washout restricted to pit

Recommendation(s):

- ☒ Continue inspection and maintenance, as needed
- ☐ Excavate new washout pit or provide additional capacity
- ☐ Install stone access to washout pit
- ☒ Top dress/maintain stone access
- ☐ Install signage to designate washout pit
- ☐ Restrict all washout to designated pit

Additional Comments:

Stockpile Area**Condition:**

- ☒ Stockpile area active
☐ Soils stabilized
☒ Adequate perimeter protection
☒ Stabilized stone access installed

Recommendation(s):

- | | |
|---|---|
| <input type="checkbox"/> Grade stockpile area | <input type="checkbox"/> Install stone access |
| <input type="checkbox"/> Stabilize stockpile area | <input checked="" type="checkbox"/> Repair stone access |
| <input type="checkbox"/> Install perimeter protection | <input type="checkbox"/> Sweep adjacent pavement |
| <input type="checkbox"/> Repair perimeter protection | <input type="checkbox"/> |

Additional Comments:

Protected Area: Mohawk River**Rate of Flow:**

- ☐ None
☒ Light
☐ Moderate/Heavy

Natural Turbidity:

- ☐ None
☒ Light
☐ Moderate/Heavy

Recommendations:

- ☐ Install protective fencing
☐ Stabilize upslope soils

Discharge to Sensitive Area:

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> None | <input type="checkbox"/> Moderate |
| <input type="checkbox"/> Light | <input type="checkbox"/> Heavy |

Turbidity in Discharge:

- | | |
|--------------------------------|---|
| <input type="checkbox"/> None | <input type="checkbox"/> Moderate/Heavy |
| <input type="checkbox"/> Light | <input checked="" type="checkbox"/> N/A |

Discharge in significant contrast:

- ☐ Yes ☐ No ☒ N/A

- ☐ Install perimeter protection
☐ Repair perimeter protection

Additional Comments:

Protected Area: Harbor Area**Rate of Flow:**

- ☒ None
☐ Light
☐ Moderate/Heavy

Natural Turbidity:

- ☐ None
☒ Light
☐ Moderate/Heavy

Recommendations:

- ☐ Install protective fencing
☐ Stabilize upslope soils

Discharge to Sensitive Area:

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> None | <input type="checkbox"/> Moderate |
| <input type="checkbox"/> Light | <input type="checkbox"/> Heavy |

Turbidity in Discharge:

- | | |
|--------------------------------|---|
| <input type="checkbox"/> None | <input type="checkbox"/> Moderate/Heavy |
| <input type="checkbox"/> Light | <input checked="" type="checkbox"/> N/A |

Discharge in significant contrast:

- ☐ Yes ☐ No ☒ N/A

- ☐ Install perimeter protection
☐ Repair perimeter protection

Additional Comments:

Hotel Site Observations:**Hotel Building Area**

- ☐ Soils cleared
- ☐ Foundation underway
- ☐ Foundation complete
- ☐ Building work underway
- ☒ Building work complete
- ☐ Temporarily stabilized
- ☒ Permanently stabilized
- ☒ Pavement installed

ESC Devices:

- ☐ Stabilized entrance
- ☐ Perimeter protection

Recommendations:

- ☐ Install stabilized entrance
- ☐ Repair/maintain stabilized entrance
- ☐ Restrict traffic to entrance
- ☐ Install perimeter protection
- ☐ Repair/stabilize perimeter protection
- ☐ Install outlet for perimeter protection
- ☐ Stabilize exposed soils
- ☐ Remove lot controls and stabilize
- ☐ Repair eroded soils and stabilize
- ☐ Control roof runoff

Additional Comments:**Hotel Site Stabilization****Paved Area:**

- ☐ Paved area at subgrade
- ☐ Utility work underway
- ☐ Utility work complete
- ☐ Subbase installed
- ☒ Pavement installed

Green Spaces:

- ☐ Grading complete
- ☒ Landscaping complete
- ☐ Temporarily stabilized
- ☒ Permanently stabilized

Recommendations:

- ☐ Install perimeter protection
 - ☐ Repair/stabilize perimeter protection
 - ☐ Remove perimeter protection
 - ☐ Install inlet protection
 - ☐ Install subbase
 - ☐ Grade and stabilize green spaces
 - ☐ Repair eroded soils and stabilize
- Sediment Tracking:** ☐ Yes ☒ No
- ☒ Sweep pavement daily, as needed
 - ☐ Restrict traffic to paved areas

Additional Comments:**Casino Site Observations:****Casino Site Conditions****Soil Conditions:**

- ☐ Dry
- ☐ Wet
- ☐ Saturated
- ☒ Frozen
- ☐ Snow Covered

Offsite Sediment Tracking:

- ☒ None
- ☐ Light
- ☐ Moderate
- ☐ Heavy

Discharge:

- ☒ None
- ☐ Light
- ☐ Moderate
- ☐ Heavy

Condition of Discharge:

- ☒ N/A
- ☐ Clean
- ☐ Evidence of Turbidity

Contrast to receiving water?

- ☐ Yes
- ☐ No
- ☒ N/A

Additional Comments:

Casino Site Stabilization**Paved Area:**

- ☐ Paved area at subgrade
☐ Utility work underway
☐ Utility work complete
☐ Subbase installed
☒ Pavement installed

Green Spaces:

- ☒ Grading complete
☒ Landscaping complete
☐ Temporarily stabilized
☒ Permanently stabilized

Recommendations:

- ☐ Install perimeter protection
☐ Repair/stabilize perimeter protection
☐ Remove perimeter protection
☐ Install inlet protection
☐ Install subbase
☐ Grade and stabilize green spaces
☐ Repair eroded soils and stabilize
Sediment Tracking: ☐ Yes ☒ No
☐ Sweep pavement daily, as needed
☐ Restrict traffic to paved areas

Additional Comments:**Casino Building Area**

- ☐ Soils cleared
☐ Foundation underway
☐ Foundation complete
☐ Building work underway
☒ Building work complete
☐ Temporarily stabilized
☒ Permanently stabilized
☒ Pavement installed

ESC Devices:

- ☐ Stabilized entrance
☐ Perimeter protection

Recommendations:

- ☐ Install stabilized entrance
☐ Repair/maintain stabilized entrance
☐ Restrict traffic to entrance
☐ Install perimeter protection
☐ Repair/stabilize perimeter protection
☐ Install outlet for perimeter protection
☐ Stabilize exposed soils
☐ Remove lot controls and stabilize
☐ Repair eroded soils and stabilize
☐ Control roof runoff

Additional Comments:**Discharge Point: 1****Volume of Discharge:**

- ☒ None
☐ Light
☐ Moderate
☐ Heavy

Visible Turbidity:

- ☐ Yes
☐ No
☒ N/A

Turbidity in significant contrast to receiving waters?

- ☐ Yes ☐ No ☒ N/A

Additional Comments:**Discharge Point: 2****Volume of Discharge:**

- ☒ None
☐ Light
☐ Moderate
☐ Heavy

Visible Turbidity:

- ☐ Yes
☐ No
☒ N/A

Turbidity in significant contrast to receiving waters?

- ☐ Yes ☐ No ☒ N/A

Additional Comments:

Attachment F

Cover Map and Fill Quantities

PROPOSED LEGEND

- PROPOSED CONTOURS
- PROPOSED MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED CONCRETE WALK
- PROPOSED CURB
- PROPOSED PAVEMENT MARKINGS
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATER MAIN & VALVE
- 2" MINIMUM CLEAN FILL
- 6" COMPACTED SUB-BASE or CRUSHER RUN (COVERED IN ASPHALT IN SOME PLACES)
- 6" COMPACTED SUB-BASE AND ASPHALT
- CONCRETE SLAB OR SIDEWALK
- 2" RIP RAP
- LANDS UNDER WATER

MOHAWK RIVER

FLOOD PLAIN ELEVATION=230.0'

LOOKOUTS

AVERAGE WATER ELEVATION AS OF 10/12/2013 =211.25
AVERAGE WATER ELEVATION AS OF 11/2/2013 =213.54

DAYLIGHT COLLEGE CREEK

11
FFE=233.5

12
FFE=233.5

STS

EXISTING
BUILDING

COLLEGE CREEK ACCESS

ERIE BOULEVARD

MOHAWK HARBOR WAY
MAXON ROAD

GRAPHIC SCALE

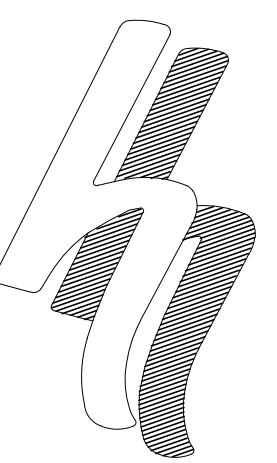


(IN FEET)
1 inch = 60 ft.

12" NEW VALVE

NEW 12"x12"x12" TEE

EXISTING 12" WATER MAIN
(APPROXIMATE LOCATION)

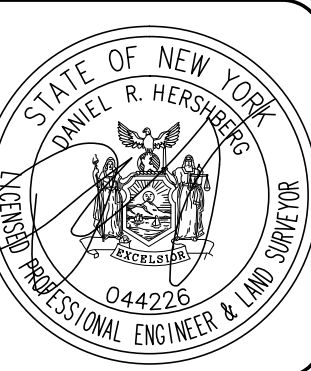


**HERSHBERG
&
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Consulting Engineers
and Land Surveyors

18 Locust Street
Albany, New York 12203

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SURVEYOR, IS ILLEGAL.

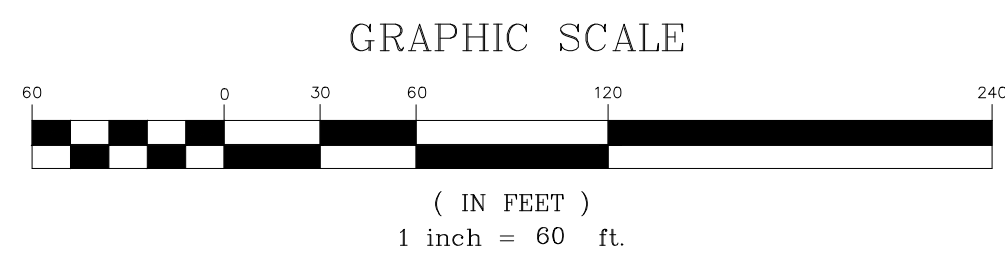
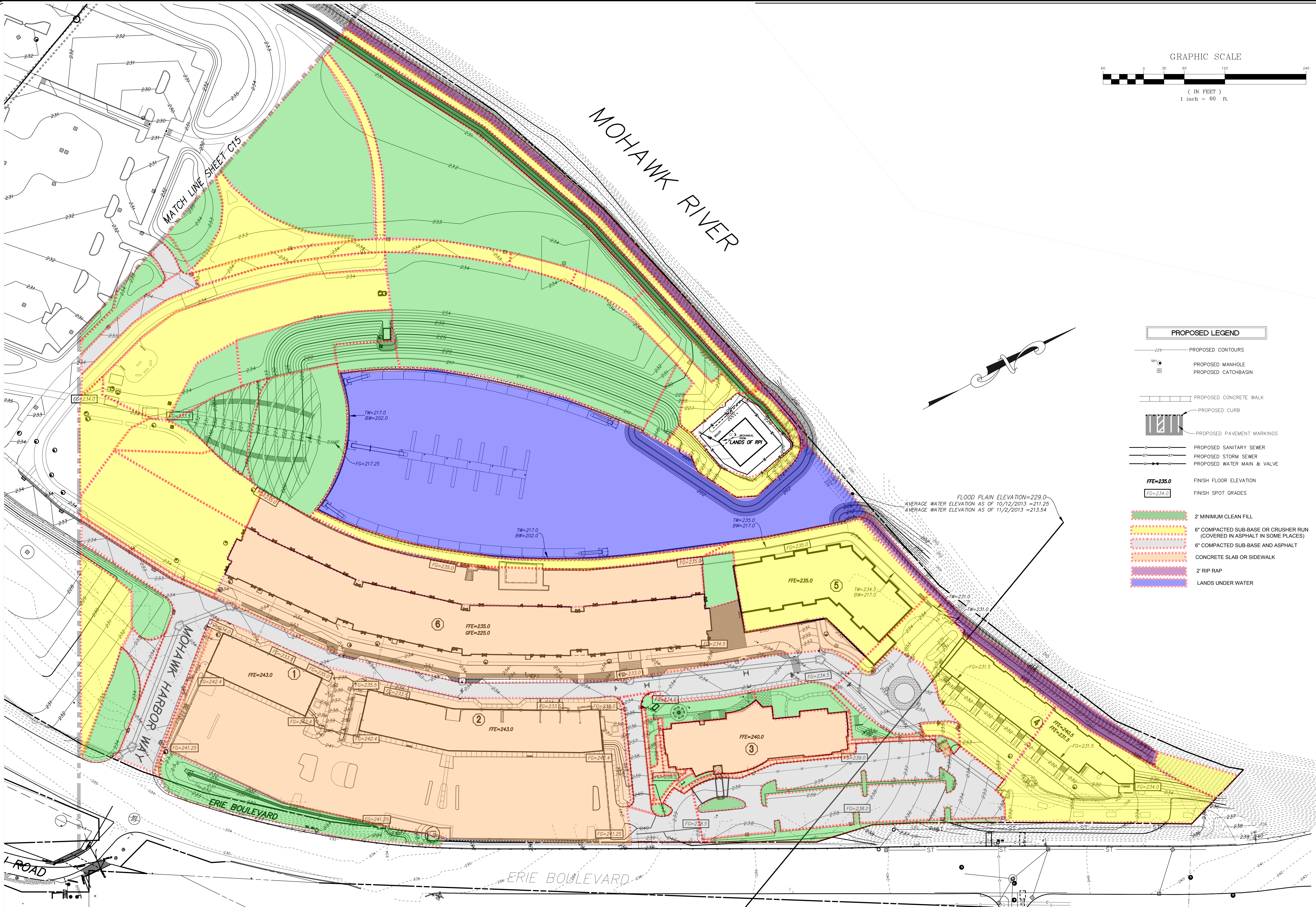


DATE	REMARKS	REVISIONS

FINISH GRADE PLAN 1
ALCO REDEVELOPMENT SITE
SCHENECTADY, NEW YORK

FG-1

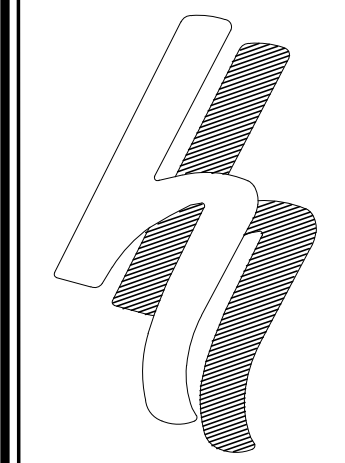
FILE: 120158-1.dwg SCALE: 1"=60' BY: SMC DATE: 2/2/2016 CHK: DPH



PROPOSED LEGEND

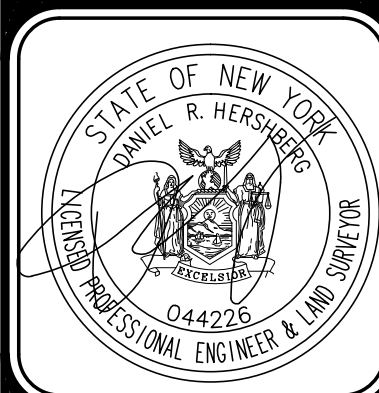
- PROPOSED CONTOURS
- PROPOSED MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED CONCRETE WALK
- PROPOSED CURB
- PROPOSED PAVEMENT MARKINGS
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATER MAIN & VALVE
- FINISH FLOOR ELEVATION
- FINISH SPOT GRADES

- 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



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Consulting Engineers
and Land Surveyors
18 Locust Street
Albany, New York 12203

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DATE	REVISIONS

FINISH GRADE PLAN 2
ALCO REDEVELOPMENT SITE
SCHENECTADY, NEW YORK

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

2017 Fill Quantities - RJ Valente to Rifenburg Contracting Corp.

BEGIN DATE	1/1/17	CUSTOMER	121
END DATE	12/31/17	ORDER	15
SELL/BUY/TRA	ALL		
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		

Attachment G

Clean Fill Sampling Results

March 08, 2018

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

RE: Project: ALCO 7/17
Pace Project No.: 7024604

Dear Corinne Steinmuller:

Enclosed are the analytical results for sample(s) received by the laboratory on July 19, 2017. 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,



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

Enclosures

cc: Andy Barber, B&L
Accounts Payable, Barton and Loguidice



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: ALCO 7/17

Pace Project No.: 7024604

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 7/17

Pace Project No.: 7024604

Sample: S-62 Lab ID: 7024604001 Collected: 07/17/17 15:52 Received: 07/19/17 10:00 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	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	630-20-6	
1,1,1-Trichloroethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	79-34-5	
1,1,2-Trichloroethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	79-00-5	
1,1-Dichloroethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	75-34-3	
1,1-Dichloroethene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	75-35-4	CC
1,1-Dichloropropene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	563-58-6	
1,2,3-Trichlorobenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	87-61-6	
1,2,3-Trichloropropane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	96-18-4	
1,2,4-Trichlorobenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	120-82-1	
1,2,4-Trimethylbenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	95-63-6	
1,2-Dibromo-3-chloropropane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	96-12-8	
1,2-Dibromoethane (EDB)	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	106-93-4	
1,2-Dichlorobenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	95-50-1	
1,2-Dichloroethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	107-06-2	
1,2-Dichloropropane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	78-87-5	
1,3,5-Trimethylbenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	541-73-1	
1,3-Dichloropropane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	142-28-9	
1,4-Dichlorobenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	106-46-7	
2,2-Dichloropropane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	594-20-7	
2-Butanone (MEK)	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	78-93-3	
2-Chloroethylvinyl ether	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	110-75-8	CC
2-Chlorotoluene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	95-49-8	
2-Hexanone	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	591-78-6	
4-Chlorotoluene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	108-10-1	
Acetone	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	67-64-1	
Benzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	71-43-2	
Bromobenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	108-86-1	
Bromochloromethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	74-97-5	
Bromodichloromethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	75-27-4	
Bromoform	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	75-25-2	
Bromomethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	74-83-9	
Carbon disulfide	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	75-15-0	CC
Carbon tetrachloride	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	56-23-5	
Chlorobenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	108-90-7	
Chloroethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	75-00-3	CC
Chloroform	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	67-66-3	
Chloromethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	74-87-3	
Dibromochloromethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	124-48-1	L1
Dibromomethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	74-95-3	
Dichlorodifluoromethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	75-71-8	CC
Ethylbenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	100-41-4	
Hexachloro-1,3-butadiene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	87-68-3	
Isopropylbenzene (Cumene)	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024604

Sample: S-62 **Lab ID: 7024604001** Collected: 07/17/17 15:52 Received: 07/19/17 10:00 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								
Methyl-tert-butyl ether	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	1634-04-4	
Methylene Chloride	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	75-09-2	CC
Naphthalene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	91-20-3	
Styrene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	100-42-5	
Tetrachloroethene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	127-18-4	
Toluene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	108-88-3	
Trichloroethene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	79-01-6	
Trichlorofluoromethane	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	75-69-4	
Vinyl acetate	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	108-05-4	
Vinyl chloride	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	75-01-4	CC
Xylene (Total)	<5.1	ug/kg	5.1	1	07/21/17 07:25	07/21/17 11:16	1330-20-7	
cis-1,2-Dichloroethene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	10061-01-5	
m&p-Xylene	<5.1	ug/kg	5.1	1	07/21/17 07:25	07/21/17 11:16	179601-23-1	
n-Butylbenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	104-51-8	
n-Propylbenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	103-65-1	
o-Xylene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	95-47-6	
p-Isopropyltoluene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	99-87-6	
sec-Butylbenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	135-98-8	
tert-Butylbenzene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	98-06-6	
trans-1,2-Dichloroethene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	156-60-5	CC
trans-1,3-Dichloropropene	<2.5	ug/kg	2.5	1	07/21/17 07:25	07/21/17 11:16	10061-02-6	
Surrogates								
Toluene-d8 (S)	110	%	43-157	1	07/21/17 07:25	07/21/17 11:16	2037-26-5	
4-Bromofluorobenzene (S)	107	%	34-145	1	07/21/17 07:25	07/21/17 11:16	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	33-150	1	07/21/17 07:25	07/21/17 11:16	17060-07-0	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	1.1	%	0.10	1		07/20/17 20:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024604

Sample: S-63 **Lab ID: 7024604002** Collected: 07/17/17 15:54 Received: 07/19/17 10:00 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	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	630-20-6	
1,1,1-Trichloroethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	71-55-6	
1,1,2,2-Tetrachloroethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	79-34-5	
1,1,2-Trichloroethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	79-00-5	
1,1-Dichloroethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	75-34-3	
1,1-Dichloroethene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	75-35-4	CC
1,1-Dichloropropene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	87-61-6	
1,2,3-Trichloropropane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	96-18-4	
1,2,4-Trichlorobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	120-82-1	
1,2,4-Trimethylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	95-63-6	
1,2-Dibromo-3-chloropropane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	96-12-8	
1,2-Dibromoethane (EDB)	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	106-93-4	
1,2-Dichlorobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	95-50-1	
1,2-Dichloroethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	107-06-2	
1,2-Dichloropropane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	78-87-5	
1,3,5-Trimethylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	108-67-8	
1,3-Dichlorobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	541-73-1	
1,3-Dichloropropane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	142-28-9	
1,4-Dichlorobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	106-46-7	
2,2-Dichloropropane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	594-20-7	
2-Butanone (MEK)	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	78-93-3	
2-Chloroethylvinyl ether	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	110-75-8	CC
2-Chlorotoluene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	95-49-8	
2-Hexanone	56.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	591-78-6	
4-Chlorotoluene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	108-10-1	
Acetone	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	67-64-1	
Benzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	71-43-2	
Bromobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	108-86-1	
Bromochloromethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	74-97-5	
Bromodichloromethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	75-27-4	
Bromoform	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	75-25-2	
Bromomethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	74-83-9	
Carbon disulfide	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	75-15-0	CC
Carbon tetrachloride	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	56-23-5	
Chlorobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	108-90-7	
Chloroethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	75-00-3	CC
Chloroform	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	67-66-3	
Chloromethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	74-87-3	
Dibromochloromethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	124-48-1	L1
Dibromomethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	74-95-3	
Dichlorodifluoromethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	75-71-8	CC
Ethylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	87-68-3	
Isopropylbenzene (Cumene)	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	98-82-8	

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024604

Sample: S-63 **Lab ID: 7024604002** Collected: 07/17/17 15:54 Received: 07/19/17 10:00 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								
Methyl-tert-butyl ether	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	1634-04-4	
Methylene Chloride	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	75-09-2	CC
Naphthalene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	91-20-3	
Styrene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	100-42-5	
Tetrachloroethene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	127-18-4	
Toluene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	108-88-3	
Trichloroethene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	79-01-6	
Trichlorofluoromethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	75-69-4	
Vinyl acetate	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	108-05-4	
Vinyl chloride	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	75-01-4	CC
Xylene (Total)	<4.2	ug/kg	4.2	1	07/21/17 07:25	07/21/17 11:36	1330-20-7	
cis-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	156-59-2	
cis-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	10061-01-5	
m&p-Xylene	<4.2	ug/kg	4.2	1	07/21/17 07:25	07/21/17 11:36	179601-23-1	
n-Butylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	104-51-8	
n-Propylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	103-65-1	
o-Xylene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	95-47-6	
p-Isopropyltoluene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	99-87-6	
sec-Butylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	135-98-8	
tert-Butylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	98-06-6	
trans-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	156-60-5	CC
trans-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 11:36	10061-02-6	
Surrogates								
Toluene-d8 (S)	104	%	43-157	1	07/21/17 07:25	07/21/17 11:36	2037-26-5	
4-Bromofluorobenzene (S)	101	%	34-145	1	07/21/17 07:25	07/21/17 11:36	460-00-4	
1,2-Dichloroethane-d4 (S)	119	%	33-150	1	07/21/17 07:25	07/21/17 11:36	17060-07-0	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	0.64	%	0.10	1		07/20/17 20:01		

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024604

Sample: S-64 Lab ID: 7024604003 Collected: 07/17/17 15:55 Received: 07/19/17 10:00 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	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	630-20-6	
1,1,1-Trichloroethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	71-55-6	
1,1,2,2-Tetrachloroethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	79-34-5	
1,1,2-Trichloroethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	79-00-5	
1,1-Dichloroethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	75-34-3	
1,1-Dichloroethene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	75-35-4	CC
1,1-Dichloropropene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	563-58-6	
1,2,3-Trichlorobenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	87-61-6	
1,2,3-Trichloropropane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	96-18-4	
1,2,4-Trichlorobenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	120-82-1	
1,2,4-Trimethylbenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	95-63-6	
1,2-Dibromo-3-chloropropane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	96-12-8	
1,2-Dibromoethane (EDB)	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	106-93-4	
1,2-Dichlorobenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	95-50-1	
1,2-Dichloroethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	107-06-2	
1,2-Dichloropropane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	78-87-5	
1,3,5-Trimethylbenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	108-67-8	
1,3-Dichlorobenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	541-73-1	
1,3-Dichloropropane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	142-28-9	
1,4-Dichlorobenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	106-46-7	
2,2-Dichloropropane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	594-20-7	
2-Butanone (MEK)	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	78-93-3	
2-Chloroethylvinyl ether	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	110-75-8	CC
2-Chlorotoluene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	95-49-8	
2-Hexanone	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	591-78-6	
4-Chlorotoluene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	106-43-4	
4-Methyl-2-pentanone (MIBK)	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	108-10-1	
Acetone	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	67-64-1	
Benzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	71-43-2	
Bromobenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	108-86-1	
Bromochloromethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	74-97-5	
Bromodichloromethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	75-27-4	
Bromoform	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	75-25-2	
Bromomethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	74-83-9	
Carbon disulfide	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	75-15-0	CC
Carbon tetrachloride	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	56-23-5	
Chlorobenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	108-90-7	
Chloroethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	75-00-3	CC
Chloroform	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	67-66-3	
Chloromethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	74-87-3	
Dibromochloromethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	124-48-1	L1
Dibromomethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	74-95-3	
Dichlorodifluoromethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	75-71-8	CC
Ethylbenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	100-41-4	
Hexachloro-1,3-butadiene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	98-82-8	

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ANALYTICAL RESULTS

Project: ALCO 7/17
Pace Project No.: 7024604

Sample: S-64 **Lab ID: 7024604003** Collected: 07/17/17 15:55 Received: 07/19/17 10:00 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								
Methyl-tert-butyl ether	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	1634-04-4	
Methylene Chloride	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	75-09-2	CC
Naphthalene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	91-20-3	
Styrene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	100-42-5	
Tetrachloroethene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	127-18-4	
Toluene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	108-88-3	
Trichloroethene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	79-01-6	
Trichlorofluoromethane	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	75-69-4	
Vinyl acetate	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	108-05-4	
Vinyl chloride	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	75-01-4	CC
Xylene (Total)	<3.4	ug/kg	3.4	1	07/21/17 07:25	07/21/17 11:56	1330-20-7	
cis-1,2-Dichloroethene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	156-59-2	
cis-1,3-Dichloropropene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	10061-01-5	
m&p-Xylene	<3.4	ug/kg	3.4	1	07/21/17 07:25	07/21/17 11:56	179601-23-1	
n-Butylbenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	104-51-8	
n-Propylbenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	103-65-1	
o-Xylene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	95-47-6	
p-Isopropyltoluene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	99-87-6	
sec-Butylbenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	135-98-8	
tert-Butylbenzene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	98-06-6	
trans-1,2-Dichloroethene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	156-60-5	CC
trans-1,3-Dichloropropene	<1.7	ug/kg	1.7	1	07/21/17 07:25	07/21/17 11:56	10061-02-6	
Surrogates								
Toluene-d8 (S)	106	%	43-157	1	07/21/17 07:25	07/21/17 11:56	2037-26-5	
4-Bromofluorobenzene (S)	100	%	34-145	1	07/21/17 07:25	07/21/17 11:56	460-00-4	
1,2-Dichloroethane-d4 (S)	125	%	33-150	1	07/21/17 07:25	07/21/17 11:56	17060-07-0	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	2.0	%	0.10	1		07/20/17 20:01		

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024604

Sample: S-65 **Lab ID: 7024604004** Collected: 07/17/17 15:58 Received: 07/19/17 10:00 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	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	630-20-6	
1,1,1-Trichloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	71-55-6	
1,1,2,2-Tetrachloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	79-34-5	
1,1,2-Trichloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	79-00-5	
1,1-Dichloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	75-34-3	
1,1-Dichloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	75-35-4	CC
1,1-Dichloropropene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	563-58-6	
1,2,3-Trichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	87-61-6	
1,2,3-Trichloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	96-18-4	
1,2,4-Trichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	120-82-1	
1,2,4-Trimethylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	95-63-6	
1,2-Dibromo-3-chloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	96-12-8	
1,2-Dibromoethane (EDB)	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	106-93-4	
1,2-Dichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	95-50-1	
1,2-Dichloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	107-06-2	
1,2-Dichloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	78-87-5	
1,3,5-Trimethylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	108-67-8	
1,3-Dichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	541-73-1	
1,3-Dichloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	142-28-9	
1,4-Dichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	106-46-7	
2,2-Dichloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	594-20-7	
2-Butanone (MEK)	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	78-93-3	
2-Chloroethylvinyl ether	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	110-75-8	CC
2-Chlorotoluene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	95-49-8	
2-Hexanone	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	591-78-6	
4-Chlorotoluene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	108-10-1	
Acetone	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	67-64-1	
Benzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	71-43-2	
Bromobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	108-86-1	
Bromochloromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	74-97-5	
Bromodichloromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	75-27-4	
Bromoform	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	75-25-2	
Bromomethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	74-83-9	
Carbon disulfide	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	75-15-0	CC
Carbon tetrachloride	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	56-23-5	
Chlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	108-90-7	
Chloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	75-00-3	CC
Chloroform	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	67-66-3	
Chloromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	74-87-3	
Dibromochloromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	124-48-1	L1
Dibromomethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	74-95-3	
Dichlorodifluoromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	75-71-8	CC
Ethylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	100-41-4	
Hexachloro-1,3-butadiene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	87-68-3	
Isopropylbenzene (Cumene)	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024604

Sample: S-65 **Lab ID: 7024604004** Collected: 07/17/17 15:58 Received: 07/19/17 10:00 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								
Methyl-tert-butyl ether	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	1634-04-4	
Methylene Chloride	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	75-09-2	CC
Naphthalene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	91-20-3	
Styrene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	100-42-5	
Tetrachloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	127-18-4	
Toluene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	108-88-3	
Trichloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	79-01-6	
Trichlorofluoromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	75-69-4	
Vinyl acetate	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	108-05-4	
Vinyl chloride	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	75-01-4	CC
Xylene (Total)	<3.8	ug/kg	3.8	1	07/21/17 07:25	07/21/17 12:17	1330-20-7	
cis-1,2-Dichloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	156-59-2	
cis-1,3-Dichloropropene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	10061-01-5	
m&p-Xylene	<3.8	ug/kg	3.8	1	07/21/17 07:25	07/21/17 12:17	179601-23-1	
n-Butylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	104-51-8	
n-Propylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	103-65-1	
o-Xylene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	95-47-6	
p-Isopropyltoluene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	99-87-6	
sec-Butylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	135-98-8	
tert-Butylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	98-06-6	
trans-1,2-Dichloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	156-60-5	CC
trans-1,3-Dichloropropene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:17	10061-02-6	
Surrogates								
Toluene-d8 (S)	101	%	43-157	1	07/21/17 07:25	07/21/17 12:17	2037-26-5	
4-Bromofluorobenzene (S)	102	%	34-145	1	07/21/17 07:25	07/21/17 12:17	460-00-4	
1,2-Dichloroethane-d4 (S)	130	%	33-150	1	07/21/17 07:25	07/21/17 12:17	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	0.88	%	0.10	1		07/20/17 20:05
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17
Pace Project No.: 7024604

Sample: SC-27 **Lab ID: 7024604005** Collected: 07/17/17 15:55 Received: 07/19/17 10:00 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
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3545A								
Aldrin	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:00	309-00-2	
alpha-BHC	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:00	319-84-6	
beta-BHC	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:00	319-85-7	
delta-BHC	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:00	319-86-8	
gamma-BHC (Lindane)	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:00	58-89-9	
alpha-Chlordane	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:00	5103-71-9	
gamma-Chlordane	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:00	5103-74-2	
4,4'-DDD	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:00	72-54-8	
4,4'-DDE	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:00	72-55-9	
4,4'-DDT	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:00	50-29-3	
Dieldrin	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:00	60-57-1	
Endosulfan I	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:00	959-98-8	
Endosulfan II	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:00	33213-65-9	
Endosulfan sulfate	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:00	1031-07-8	
Endrin	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:00	72-20-8	
Endrin aldehyde	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:00	7421-93-4	
Endrin ketone	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:00	53494-70-5	
Heptachlor	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:00	76-44-8	
Heptachlor epoxide	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:00	1024-57-3	
Methoxychlor	<17.1	ug/kg	17.1	1	07/19/17 23:35	07/27/17 10:00	72-43-5	
Toxaphene	<171	ug/kg	171	1	07/19/17 23:35	07/27/17 10:00	8001-35-2	IL
Surrogates								
Tetrachloro-m-xylene (S)	59	%	30-150	1	07/19/17 23:35	07/27/17 10:00	877-09-8	
Decachlorobiphenyl (S)	56	%	30-150	1	07/19/17 23:35	07/27/17 10:00	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3545A								
PCB-1016 (Aroclor 1016)	<33.3	ug/kg	33.3	1	07/19/17 23:35	07/26/17 02:00	12674-11-2	
PCB-1221 (Aroclor 1221)	<67.5	ug/kg	67.5	1	07/19/17 23:35	07/26/17 02:00	11104-28-2	
PCB-1232 (Aroclor 1232)	<33.3	ug/kg	33.3	1	07/19/17 23:35	07/26/17 02:00	11141-16-5	
PCB-1242 (Aroclor 1242)	<33.3	ug/kg	33.3	1	07/19/17 23:35	07/26/17 02:00	53469-21-9	
PCB-1248 (Aroclor 1248)	<33.3	ug/kg	33.3	1	07/19/17 23:35	07/26/17 02:00	12672-29-6	
PCB-1254 (Aroclor 1254)	<33.3	ug/kg	33.3	1	07/19/17 23:35	07/26/17 02:00	11097-69-1	
PCB-1260 (Aroclor 1260)	<33.3	ug/kg	33.3	1	07/19/17 23:35	07/26/17 02:00	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	46	%	30-150	1	07/19/17 23:35	07/26/17 02:00	877-09-8	
Decachlorobiphenyl (S)	55	%	30-150	1	07/19/17 23:35	07/26/17 02:00	2051-24-3	
8151 Chlorinated Herbicides Analytical Method: EPA 8151A Preparation Method: EPA 8151A								
2,4-D	<10.0	ug/kg	10.0	1	07/20/17 09:00	07/23/17 16:17	94-75-7	
Dicamba	<3.0	ug/kg	3.0	1	07/20/17 09:00	07/23/17 16:17	1918-00-9	R1
2,4,5-T	<5.0	ug/kg	5.0	1	07/20/17 09:00	07/23/17 16:17	93-76-5	
2,4,5-TP (Silvex)	<5.0	ug/kg	5.0	1	07/20/17 09:00	07/23/17 16:17	93-72-1	
Surrogates								
2,4-DCAA (S)	48	%	29-136	1	07/20/17 09:00	07/23/17 16:17	19719-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024604

Sample: SC-27 **Lab ID: 7024604005** Collected: 07/17/17 15:55 Received: 07/19/17 10:00 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
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	4480	mg/kg	10.1	1	07/20/17 12:23	07/21/17 18:52	7429-90-5	
Antimony	<3.0	mg/kg	3.0	1	07/20/17 12:23	07/21/17 18:52	7440-36-0	
Arsenic	4.5	mg/kg	0.51	1	07/20/17 12:23	07/21/17 18:52	7440-38-2	
Barium	24.4	mg/kg	10.1	1	07/20/17 12:23	07/21/17 18:52	7440-39-3	
Beryllium	<0.25	mg/kg	0.25	1	07/20/17 12:23	07/21/17 18:52	7440-41-7	
Cadmium	0.19	mg/kg	0.13	1	07/20/17 12:23	07/21/17 18:52	7440-43-9	
Calcium	23800	mg/kg	50.5	1	07/20/17 12:23	07/21/17 18:52	7440-70-2	
Chromium	1.8	mg/kg	0.51	1	07/20/17 12:23	07/21/17 18:52	7440-47-3	
Cobalt	5.3	mg/kg	2.5	1	07/20/17 12:23	07/21/17 18:52	7440-48-4	
Copper	14.8	mg/kg	1.3	1	07/20/17 12:23	07/21/17 18:52	7440-50-8	
Iron	12800	mg/kg	5.1	1	07/20/17 12:23	07/21/17 18:52	7439-89-6	
Lead	5.4	mg/kg	0.25	1	07/20/17 12:23	07/21/17 18:52	7439-92-1	
Magnesium	5990	mg/kg	50.5	1	07/20/17 12:23	07/21/17 18:52	7439-95-4	
Manganese	252	mg/kg	0.76	1	07/20/17 12:23	07/21/17 18:52	7439-96-5	
Nickel	11.4	mg/kg	2.0	1	07/20/17 12:23	07/21/17 18:52	7440-02-0	
Potassium	745	mg/kg	253	1	07/20/17 12:23	07/21/17 18:52	7440-09-7	
Selenium	<0.51	mg/kg	0.51	1	07/20/17 12:23	07/21/17 18:52	7782-49-2	
Silver	1.4	mg/kg	0.51	1	07/20/17 12:23	07/21/17 18:52	7440-22-4	
Sodium	<253	mg/kg	253	1	07/20/17 12:23	07/21/17 18:52	7440-23-5	
Thallium	<0.51	mg/kg	0.51	1	07/20/17 12:23	07/21/17 18:52	7440-28-0	
Vanadium	9.4	mg/kg	2.5	1	07/20/17 12:23	07/21/17 18:52	7440-62-2	
Zinc	37.1	mg/kg	1.0	1	07/20/17 12:23	07/21/17 18:52	7440-66-6	

7471 Mercury

Analytical Method: EPA 7471B Preparation Method: EPA 7471B

Mercury	<0.037	mg/kg	0.037	1	07/20/17 13:27	07/24/17 16:19	7439-97-6	
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

2,2'-Oxybis(1-chloropropane)	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	108-60-1	
2,4,5-Trichlorophenol	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	95-95-4	
2,4,6-Trichlorophenol	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	88-06-2	
2,4-Dichlorophenol	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	120-83-2	
2,4-Dimethylphenol	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	105-67-9	M1
2,4-Dinitrophenol	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	51-28-5	IH,M1
2,4-Dinitrotoluene	<332	ug/kg	332	1	07/19/17 19:46	07/20/17 18:24	121-14-2	
2,6-Dinitrotoluene	<332	ug/kg	332	1	07/19/17 19:46	07/20/17 18:24	606-20-2	
2-Chloronaphthalene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	91-58-7	
2-Chlorophenol	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	95-57-8	
2-Methylnaphthalene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	91-57-6	
2-Methylphenol(o-Cresol)	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	95-48-7	
2-Nitroaniline	<332	ug/kg	332	1	07/19/17 19:46	07/20/17 18:24	88-74-4	L2
2-Nitrophenol	<332	ug/kg	332	1	07/19/17 19:46	07/20/17 18:24	88-75-5	
3&4-Methylphenol(m&p Cresol)	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24		
3,3'-Dichlorobenzidine	<332	ug/kg	332	1	07/19/17 19:46	07/20/17 18:24	91-94-1	
3-Nitroaniline	<332	ug/kg	332	1	07/19/17 19:46	07/20/17 18:24	99-09-2	
4,6-Dinitro-2-methylphenol	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	534-52-1	

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ANALYTICAL RESULTS

Project: ALCO 7/17
Pace Project No.: 7024604

Sample: SC-27 **Lab ID: 7024604005** Collected: 07/17/17 15:55 Received: 07/19/17 10:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
4-Bromophenylphenyl ether	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	101-55-3	
4-Chloro-3-methylphenol	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	59-50-7	
4-Chloroaniline	<332	ug/kg	332	1	07/19/17 19:46	07/20/17 18:24	106-47-8	
4-Chlorophenylphenyl ether	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	7005-72-3	
4-Nitroaniline	<332	ug/kg	332	1	07/19/17 19:46	07/20/17 18:24	100-01-6	
4-Nitrophenol	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	100-02-7	
Acenaphthene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	83-32-9	
Acenaphthylene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	208-96-8	
Anthracene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	120-12-7	
Benzo(a)anthracene	73.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	56-55-3	
Benzo(a)pyrene	77.0	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	50-32-8	
Benzo(b)fluoranthene	97.8	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	205-99-2	
Benzo(g,h,i)perylene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	191-24-2	
Benzo(k)fluoranthene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	207-08-9	
Butylbenzylphthalate	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	85-68-7	L2
Carbazole	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	86-74-8	
Chrysene	79.3	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	218-01-9	
Di-n-butylphthalate	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	84-74-2	
Di-n-octylphthalate	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	117-84-0	
Dibenz(a,h)anthracene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	53-70-3	
Dibenzofuran	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	132-64-9	
Diethylphthalate	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	84-66-2	
Dimethylphthalate	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	131-11-3	
Fluoranthene	142	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	206-44-0	
Fluorene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	86-73-7	
Hexachloro-1,3-butadiene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	87-68-3	
Hexachlorobenzene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	118-74-1	
Hexachlorocyclopentadiene	<332	ug/kg	332	1	07/19/17 19:46	07/20/17 18:24	77-47-4	CC
Hexachloroethane	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	67-72-1	
Indeno(1,2,3-cd)pyrene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	193-39-5	
Isophorone	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	78-59-1	
N-Nitroso-di-n-propylamine	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	621-64-7	
N-Nitrosodiphenylamine	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	86-30-6	
Naphthalene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	91-20-3	
Nitrobenzene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	98-95-3	
Pentachlorophenol	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	87-86-5	M1
Phenanthrene	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	85-01-8	
Phenol	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	108-95-2	
Pyrene	122	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	129-00-0	
bis(2-Chloroethoxy)methane	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	111-91-1	
bis(2-Chloroethyl) ether	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	111-44-4	
bis(2-Ethylhexyl)phthalate	<67.4	ug/kg	67.4	1	07/19/17 19:46	07/20/17 18:24	117-81-7	L2
Surrogates								
Nitrobenzene-d5 (S)	61	%	23-120	1	07/19/17 19:46	07/20/17 18:24	4165-60-0	
2-Fluorobiphenyl (S)	63	%	30-115	1	07/19/17 19:46	07/20/17 18:24	321-60-8	
p-Terphenyl-d14 (S)	88	%	18-137	1	07/19/17 19:46	07/20/17 18:24	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024604

Sample: SC-27 **Lab ID: 7024604005** Collected: 07/17/17 15:55 Received: 07/19/17 10:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Surrogates								
Phenol-d5 (S)	59	%	24-113	1	07/19/17 19:46	07/20/17 18:24	4165-62-2	
2-Fluorophenol (S)	59	%	25-121	1	07/19/17 19:46	07/20/17 18:24	367-12-4	
2,4,6-Tribromophenol (S)	74	%	19-122	1	07/19/17 19:46	07/20/17 18:24	118-79-6	CC
2-Chlorophenol-d4 (S)	60	%	20-130	1	07/19/17 19:46	07/20/17 18:24	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	57	%	20-130	1	07/19/17 19:46	07/20/17 18:24	2199-69-1	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	1.1	%	0.10	1		07/19/17 13:30		
9014 Cyanide, Total Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
Cyanide	<0.50	mg/kg	0.50	1	07/27/17 09:29	07/27/17 16:41	57-12-5	M1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17
Pace Project No.: 7024604

Sample: SC-28 **Lab ID: 7024604006** Collected: 07/17/17 15:58 Received: 07/19/17 10:00 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
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3545A								
Aldrin	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:15	309-00-2	
alpha-BHC	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:15	319-84-6	
beta-BHC	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:15	319-85-7	
delta-BHC	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:15	319-86-8	
gamma-BHC (Lindane)	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:15	58-89-9	
alpha-Chlordane	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:15	5103-71-9	
gamma-Chlordane	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:15	5103-74-2	
4,4'-DDD	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:15	72-54-8	
4,4'-DDE	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:15	72-55-9	
4,4'-DDT	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:15	50-29-3	
Dieldrin	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:15	60-57-1	
Endosulfan I	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:15	959-98-8	
Endosulfan II	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:15	33213-65-9	
Endosulfan sulfate	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:15	1031-07-8	
Endrin	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:15	72-20-8	
Endrin aldehyde	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:15	7421-93-4	
Endrin ketone	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 10:15	53494-70-5	
Heptachlor	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:15	76-44-8	
Heptachlor epoxide	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:15	1024-57-3	
Methoxychlor	<17.1	ug/kg	17.1	1	07/19/17 23:35	07/27/17 10:15	72-43-5	
Toxaphene	<171	ug/kg	171	1	07/19/17 23:35	07/27/17 10:15	8001-35-2	IL
Surrogates								
Tetrachloro-m-xylene (S)	74	%	30-150	1	07/19/17 23:35	07/27/17 10:15	877-09-8	
Decachlorobiphenyl (S)	84	%	30-150	1	07/19/17 23:35	07/27/17 10:15	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3545A								
PCB-1016 (Aroclor 1016)	<33.1	ug/kg	33.1	1	07/19/17 23:35	07/26/17 02:13	12674-11-2	
PCB-1221 (Aroclor 1221)	<67.3	ug/kg	67.3	1	07/19/17 23:35	07/26/17 02:13	11104-28-2	
PCB-1232 (Aroclor 1232)	<33.1	ug/kg	33.1	1	07/19/17 23:35	07/26/17 02:13	11141-16-5	
PCB-1242 (Aroclor 1242)	<33.1	ug/kg	33.1	1	07/19/17 23:35	07/26/17 02:13	53469-21-9	
PCB-1248 (Aroclor 1248)	<33.1	ug/kg	33.1	1	07/19/17 23:35	07/26/17 02:13	12672-29-6	
PCB-1254 (Aroclor 1254)	<33.1	ug/kg	33.1	1	07/19/17 23:35	07/26/17 02:13	11097-69-1	
PCB-1260 (Aroclor 1260)	<33.1	ug/kg	33.1	1	07/19/17 23:35	07/26/17 02:13	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	71	%	30-150	1	07/19/17 23:35	07/26/17 02:13	877-09-8	
Decachlorobiphenyl (S)	80	%	30-150	1	07/19/17 23:35	07/26/17 02:13	2051-24-3	
8151 Chlorinated Herbicides Analytical Method: EPA 8151A Preparation Method: EPA 8151A								
2,4-D	<10	ug/kg	10	1	07/20/17 09:00	07/23/17 17:19	94-75-7	
Dicamba	<3.0	ug/kg	3.0	1	07/20/17 09:00	07/23/17 17:19	1918-00-9	
2,4,5-T	<5.0	ug/kg	5.0	1	07/20/17 09:00	07/23/17 17:19	93-76-5	
2,4,5-TP (Silvex)	<5.0	ug/kg	5.0	1	07/20/17 09:00	07/23/17 17:19	93-72-1	
Surrogates								
2,4-DCAA (S)	44	%	29-136	1	07/20/17 09:00	07/23/17 17:19	19719-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024604

Sample: SC-28 **Lab ID: 7024604006** Collected: 07/17/17 15:58 Received: 07/19/17 10:00 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
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	5030	mg/kg	10.1	1	07/20/17 12:23	07/21/17 19:08	7429-90-5	
Antimony	<3.0	mg/kg	3.0	1	07/20/17 12:23	07/21/17 19:08	7440-36-0	
Arsenic	4.9	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:08	7440-38-2	
Barium	24.3	mg/kg	10.1	1	07/20/17 12:23	07/21/17 19:08	7440-39-3	
Beryllium	<0.25	mg/kg	0.25	1	07/20/17 12:23	07/21/17 19:08	7440-41-7	
Cadmium	0.19	mg/kg	0.13	1	07/20/17 12:23	07/21/17 19:08	7440-43-9	
Calcium	20300	mg/kg	50.6	1	07/20/17 12:23	07/21/17 19:08	7440-70-2	
Chromium	1.9	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:08	7440-47-3	
Cobalt	6.5	mg/kg	2.5	1	07/20/17 12:23	07/21/17 19:08	7440-48-4	
Copper	15.4	mg/kg	1.3	1	07/20/17 12:23	07/21/17 19:08	7440-50-8	
Iron	14000	mg/kg	5.1	1	07/20/17 12:23	07/21/17 19:08	7439-89-6	
Lead	5.8	mg/kg	0.25	1	07/20/17 12:23	07/21/17 19:08	7439-92-1	
Magnesium	6170	mg/kg	50.6	1	07/20/17 12:23	07/21/17 19:08	7439-95-4	
Manganese	281	mg/kg	0.76	1	07/20/17 12:23	07/21/17 19:08	7439-96-5	
Nickel	13.1	mg/kg	2.0	1	07/20/17 12:23	07/21/17 19:08	7440-02-0	
Potassium	765	mg/kg	253	1	07/20/17 12:23	07/21/17 19:08	7440-09-7	
Selenium	<0.51	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:08	7782-49-2	
Silver	1.5	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:08	7440-22-4	
Sodium	<253	mg/kg	253	1	07/20/17 12:23	07/21/17 19:08	7440-23-5	
Thallium	<0.51	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:08	7440-28-0	
Vanadium	10.4	mg/kg	2.5	1	07/20/17 12:23	07/21/17 19:08	7440-62-2	
Zinc	37.1	mg/kg	1.0	1	07/20/17 12:23	07/21/17 19:08	7440-66-6	

7471 Mercury

Analytical Method: EPA 7471B Preparation Method: EPA 7471B

Mercury	<0.037	mg/kg	0.037	1	07/20/17 13:27	07/24/17 16:25	7439-97-6	
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

2,2'-Oxybis(1-chloropropane)	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	108-60-1	
2,4,5-Trichlorophenol	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	95-95-4	
2,4,6-Trichlorophenol	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	88-06-2	
2,4-Dichlorophenol	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	120-83-2	
2,4-Dimethylphenol	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	105-67-9	
2,4-Dinitrophenol	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	51-28-5	IH
2,4-Dinitrotoluene	<330	ug/kg	330	1	07/19/17 19:46	07/20/17 19:50	121-14-2	
2,6-Dinitrotoluene	<330	ug/kg	330	1	07/19/17 19:46	07/20/17 19:50	606-20-2	
2-Chloronaphthalene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	91-58-7	
2-Chlorophenol	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	95-57-8	
2-Methylnaphthalene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	91-57-6	
2-Methylphenol(o-Cresol)	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	95-48-7	
2-Nitroaniline	<330	ug/kg	330	1	07/19/17 19:46	07/20/17 19:50	88-74-4	L2
2-Nitrophenol	<330	ug/kg	330	1	07/19/17 19:46	07/20/17 19:50	88-75-5	
3&4-Methylphenol(m&p Cresol)	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50		
3,3'-Dichlorobenzidine	<330	ug/kg	330	1	07/19/17 19:46	07/20/17 19:50	91-94-1	
3-Nitroaniline	<330	ug/kg	330	1	07/19/17 19:46	07/20/17 19:50	99-09-2	
4,6-Dinitro-2-methylphenol	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	534-52-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024604

Sample: SC-28 **Lab ID: 7024604006** Collected: 07/17/17 15:58 Received: 07/19/17 10:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
4-Bromophenylphenyl ether	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	101-55-3	
4-Chloro-3-methylphenol	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	59-50-7	
4-Chloroaniline	<330	ug/kg	330	1	07/19/17 19:46	07/20/17 19:50	106-47-8	
4-Chlorophenylphenyl ether	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	7005-72-3	
4-Nitroaniline	<330	ug/kg	330	1	07/19/17 19:46	07/20/17 19:50	100-01-6	
4-Nitrophenol	<670	ug/kg	670	1	07/19/17 19:46	07/20/17 19:50	100-02-7	
Acenaphthene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	83-32-9	
Acenaphthylene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	208-96-8	
Anthracene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	120-12-7	
Benzo(a)anthracene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	56-55-3	
Benzo(a)pyrene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	50-32-8	
Benzo(b)fluoranthene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	205-99-2	
Benzo(g,h,i)perylene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	191-24-2	
Benzo(k)fluoranthene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	207-08-9	
Butylbenzylphthalate	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	85-68-7	L2
Carbazole	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	86-74-8	
Chrysene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	218-01-9	
Di-n-butylphthalate	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	84-74-2	
Di-n-octylphthalate	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	117-84-0	
Dibenz(a,h)anthracene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	53-70-3	
Dibenzofuran	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	132-64-9	
Diethylphthalate	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	84-66-2	
Dimethylphthalate	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	131-11-3	
Fluoranthene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	206-44-0	
Fluorene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	86-73-7	
Hexachloro-1,3-butadiene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	87-68-3	
Hexachlorobenzene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	118-74-1	
Hexachlorocyclopentadiene	<330	ug/kg	330	1	07/19/17 19:46	07/20/17 19:50	77-47-4	CC
Hexachloroethane	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	67-72-1	
Indeno(1,2,3-cd)pyrene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	193-39-5	
Isophorone	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	78-59-1	
N-Nitroso-di-n-propylamine	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	621-64-7	
N-Nitrosodiphenylamine	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	86-30-6	
Naphthalene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	91-20-3	
Nitrobenzene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	98-95-3	
Pentachlorophenol	<670	ug/kg	670	1	07/19/17 19:46	07/20/17 19:50	87-86-5	
Phenanthrene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	85-01-8	
Phenol	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	108-95-2	
Pyrene	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	129-00-0	
bis(2-Chloroethoxy)methane	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	111-91-1	
bis(2-Chloroethyl) ether	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	111-44-4	
bis(2-Ethylhexyl)phthalate	<67.0	ug/kg	67.0	1	07/19/17 19:46	07/20/17 19:50	117-81-7	L2
Surrogates								
Nitrobenzene-d5 (S)	58	%	23-120	1	07/19/17 19:46	07/20/17 19:50	4165-60-0	
2-Fluorobiphenyl (S)	59	%	30-115	1	07/19/17 19:46	07/20/17 19:50	321-60-8	
p-Terphenyl-d14 (S)	79	%	18-137	1	07/19/17 19:46	07/20/17 19:50	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024604

Sample: SC-28 **Lab ID: 7024604006** Collected: 07/17/17 15:58 Received: 07/19/17 10:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Surrogates								
Phenol-d5 (S)	54	%	24-113	1	07/19/17 19:46	07/20/17 19:50	4165-62-2	
2-Fluorophenol (S)	53	%	25-121	1	07/19/17 19:46	07/20/17 19:50	367-12-4	
2,4,6-Tribromophenol (S)	48	%	19-122	1	07/19/17 19:46	07/20/17 19:50	118-79-6	CC
2-Chlorophenol-d4 (S)	53	%	20-130	1	07/19/17 19:46	07/20/17 19:50	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	54	%	20-130	1	07/19/17 19:46	07/20/17 19:50	2199-69-1	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	0.39	%	0.10	1		07/19/17 13:30		
9014 Cyanide, Total Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
Cyanide	<0.50	mg/kg	0.50	1	07/27/17 09:29	07/27/17 16:43	57-12-5	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

QC Batch: 32318

Analysis Method: EPA 7471B

QC Batch Method: EPA 7471B

Analysis Description: 7471 Mercury

Associated Lab Samples: 7024604005, 7024604006

METHOD BLANK: 149518

Matrix: Solid

Associated Lab Samples: 7024604005, 7024604006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.033	0.033	07/24/17 16:10	

LABORATORY CONTROL SAMPLE: 149519

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.17	0.18	107	80-120	

MATRIX SPIKE SAMPLE: 149520

Parameter	Units	7024604005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	<0.037	.2	0.18	85	80-120	

SAMPLE DUPLICATE: 149521

Parameter	Units	7024604005 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	<0.037	<0.034		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

QC Batch:	32314	Analysis Method:	EPA 6010C
QC Batch Method:	EPA 3050B	Analysis Description:	6010 MET
Associated Lab Samples: 7024604005, 7024604006			

METHOD BLANK: 149502 Matrix: Solid

Associated Lab Samples: 7024604005, 7024604006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	<10.0	10.0	07/21/17 17:46	
Antimony	mg/kg	<3.0	3.0	07/21/17 17:46	
Arsenic	mg/kg	<0.50	0.50	07/21/17 17:46	
Barium	mg/kg	<10.0	10.0	07/21/17 17:46	
Beryllium	mg/kg	<0.25	0.25	07/21/17 17:46	
Cadmium	mg/kg	<0.12	0.12	07/21/17 17:46	
Calcium	mg/kg	<50.0	50.0	07/21/17 17:46	
Chromium	mg/kg	<0.50	0.50	07/21/17 17:46	
Cobalt	mg/kg	<2.5	2.5	07/21/17 17:46	
Copper	mg/kg	<1.2	1.2	07/21/17 17:46	
Iron	mg/kg	<5.0	5.0	07/21/17 17:46	
Lead	mg/kg	<0.25	0.25	07/21/17 17:46	
Magnesium	mg/kg	<50.0	50.0	07/21/17 17:46	
Manganese	mg/kg	<0.75	0.75	07/21/17 17:46	
Nickel	mg/kg	<2.0	2.0	07/21/17 17:46	
Potassium	mg/kg	<250	250	07/21/17 17:46	
Selenium	mg/kg	<0.50	0.50	07/21/17 17:46	
Silver	mg/kg	<0.50	0.50	07/21/17 17:46	
Sodium	mg/kg	<250	250	07/21/17 17:46	
Thallium	mg/kg	<0.50	0.50	07/21/17 17:46	
Vanadium	mg/kg	<2.5	2.5	07/21/17 17:46	
Zinc	mg/kg	<1.0	1.0	07/21/17 17:46	

LABORATORY CONTROL SAMPLE: 149503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	8080	6560	81	80-120	
Antimony	mg/kg	123	81.5	66	1-200	
Arsenic	mg/kg	145	144	99	80-120	
Barium	mg/kg	209	208	99	80-120	
Beryllium	mg/kg	97.3	100	103	80-120	
Cadmium	mg/kg	87.6	85.0	97	80-120	
Calcium	mg/kg	5690	5620	99	80-120	
Chromium	mg/kg	143	133	93	80-120	
Cobalt	mg/kg	154	154	100	80-120	
Copper	mg/kg	173	166	96	80-120	
Iron	mg/kg	15000	13800	92	46.8-154	
Lead	mg/kg	146	147	101	80-120	
Magnesium	mg/kg	2640	2390	90	80-120	
Manganese	mg/kg	309	292	95	80-120	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

LABORATORY CONTROL SAMPLE: 149503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	129	128	99	80-120	
Potassium	mg/kg	2400	2410	101	71.6-128	
Selenium	mg/kg	178	173	97	80-120	
Silver	mg/kg	31.3	33.8	108	80-120	
Sodium	mg/kg	869	694	80	73-127	
Thallium	mg/kg	141	141	100	80-120	
Vanadium	mg/kg	115	109	95	80-120	
Zinc	mg/kg	194	188	97	80-120	

MATRIX SPIKE SAMPLE: 149505

Parameter	Units	7023951001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	3650	918	5740	228	75-125	M1
Antimony	mg/kg	<11.1	137	129	93	75-125	
Arsenic	mg/kg	3.7	91.8	92.1	96	75-125	
Barium	mg/kg	250	91.8	351	110	75-125	
Beryllium	mg/kg	<0.93	9.2	9.4	103	75-125	
Cadmium	mg/kg	1.3	9.2	10.4	100	75-125	
Calcium	mg/kg	16200	4590	20600	96	75-125	
Chromium	mg/kg	24.6	45.9	75.4	111	75-125	
Cobalt	mg/kg	<9.3	91.8	98.1	103	75-125	
Copper	mg/kg	702	45.9	757	119	75-125	
Iron	mg/kg	10800	366	11200	125	75-125	
Lead	mg/kg	56.1	91.8	148	100	75-125	
Magnesium	mg/kg	3520	4590	8210	102	75-125	
Manganese	mg/kg	1050	45.9	1080	80	75-125	
Nickel	mg/kg	16.2	45.9	65.6	108	75-125	
Potassium	mg/kg	2710	9180	11600	97	75-125	
Selenium	mg/kg	7.2	137	145	100	75-125	
Silver	mg/kg	3.8	45.9	47.5	95	75-125	
Sodium	mg/kg	<927	9180	10200	102	75-125	
Thallium	mg/kg	<1.9	137	137	99	75-125	
Vanadium	mg/kg	<9.3	91.8	101	104	75-125	
Zinc	mg/kg	919	183	1080	86	75-125	

SAMPLE DUPLICATE: 149504

Parameter	Units	7023951001 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	3650	4580	23	D6
Antimony	mg/kg	<11.1	<11.0		
Arsenic	mg/kg	3.7	4.1	10	
Barium	mg/kg	250	248	1	
Beryllium	mg/kg	<0.93	<0.92		
Cadmium	mg/kg	1.3	1.3	0	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

SAMPLE DUPLICATE: 149504

Parameter	Units	7023951001 Result	Dup Result	RPD	Qualifiers
Calcium	mg/kg	16200	16200	0	
Chromium	mg/kg	24.6	21.8	12	
Cobalt	mg/kg	<9.3	<9.2		
Copper	mg/kg	702	701	0	
Iron	mg/kg	10800	10700	1	
Lead	mg/kg	56.1	58.0	3	
Magnesium	mg/kg	3520	3480	1	
Manganese	mg/kg	1050	1040	0	
Nickel	mg/kg	16.2	15.7	4	
Potassium	mg/kg	2710	2850	5	
Selenium	mg/kg	7.2	7.0	2	
Silver	mg/kg	3.8	11.0	97	D6
Sodium	mg/kg	<927	<918		
Thallium	mg/kg	<1.9	<1.8		
Vanadium	mg/kg	<9.3	<9.2		
Zinc	mg/kg	919	913	1	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

QC Batch:	32739	Analysis Method:	EPA 8260C
QC Batch Method:	EPA 5035A-L	Analysis Description:	8260 MSV 5035A-L Low Level
Associated Lab Samples:	7024604001, 7024604002, 7024604003, 7024604004		

METHOD BLANK:	151546	Matrix:	Solid
Associated Lab Samples:	7024604001, 7024604002, 7024604003, 7024604004		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,1,1-Trichloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,1,2,2-Tetrachloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,1,2-Trichloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,1-Dichloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,1-Dichloroethene	ug/kg	<1.9	1.9	07/21/17 10:00	CC
1,1-Dichloropropene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2,3-Trichlorobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2,3-Trichloropropane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2,4-Trichlorobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2,4-Trimethylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2-Dibromo-3-chloropropane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2-Dibromoethane (EDB)	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2-Dichlorobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2-Dichloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2-Dichloropropane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,3,5-Trimethylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,3-Dichlorobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,3-Dichloropropane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,4-Dichlorobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
2,2-Dichloropropane	ug/kg	<1.9	1.9	07/21/17 10:00	
2-Butanone (MEK)	ug/kg	<1.9	1.9	07/21/17 10:00	
2-Chloroethylvinyl ether	ug/kg	<1.9	1.9	07/21/17 10:00	CC
2-Chlorotoluene	ug/kg	<1.9	1.9	07/21/17 10:00	
2-Hexanone	ug/kg	<1.9	1.9	07/21/17 10:00	
4-Chlorotoluene	ug/kg	<1.9	1.9	07/21/17 10:00	
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.9	1.9	07/21/17 10:00	
Acetone	ug/kg	<1.9	1.9	07/21/17 10:00	
Benzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Bromobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Bromochloromethane	ug/kg	<1.9	1.9	07/21/17 10:00	
Bromodichloromethane	ug/kg	<1.9	1.9	07/21/17 10:00	
Bromoform	ug/kg	<1.9	1.9	07/21/17 10:00	
Bromomethane	ug/kg	<1.9	1.9	07/21/17 10:00	
Carbon disulfide	ug/kg	<1.9	1.9	07/21/17 10:00	CC
Carbon tetrachloride	ug/kg	<1.9	1.9	07/21/17 10:00	
Chlorobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Chloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	CC
Chloroform	ug/kg	<1.9	1.9	07/21/17 10:00	
Chloromethane	ug/kg	<1.9	1.9	07/21/17 10:00	
cis-1,2-Dichloroethene	ug/kg	<1.9	1.9	07/21/17 10:00	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

METHOD BLANK: 151546

Matrix: Solid

Associated Lab Samples: 7024604001, 7024604002, 7024604003, 7024604004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	<1.9	1.9	07/21/17 10:00	
Dibromochloromethane	ug/kg	<1.9	1.9	07/21/17 10:00	
Dibromomethane	ug/kg	<1.9	1.9	07/21/17 10:00	
Dichlorodifluoromethane	ug/kg	<1.9	1.9	07/21/17 10:00	CC
Ethylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Hexachloro-1,3-butadiene	ug/kg	<1.9	1.9	07/21/17 10:00	
Isopropylbenzene (Cumene)	ug/kg	<1.9	1.9	07/21/17 10:00	
m&p-Xylene	ug/kg	<3.8	3.8	07/21/17 10:00	
Methyl-tert-butyl ether	ug/kg	<1.9	1.9	07/21/17 10:00	
Methylene Chloride	ug/kg	<1.9	1.9	07/21/17 10:00	CC
n-Butylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
n-Propylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Naphthalene	ug/kg	<1.9	1.9	07/21/17 10:00	
o-Xylene	ug/kg	<1.9	1.9	07/21/17 10:00	
p-Isopropyltoluene	ug/kg	<1.9	1.9	07/21/17 10:00	
sec-Butylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Styrene	ug/kg	<1.9	1.9	07/21/17 10:00	
tert-Butylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Tetrachloroethene	ug/kg	<1.9	1.9	07/21/17 10:00	
Toluene	ug/kg	<1.9	1.9	07/21/17 10:00	
trans-1,2-Dichloroethene	ug/kg	<1.9	1.9	07/21/17 10:00	CC
trans-1,3-Dichloropropene	ug/kg	<1.9	1.9	07/21/17 10:00	
Trichloroethene	ug/kg	<1.9	1.9	07/21/17 10:00	
Trichlorofluoromethane	ug/kg	<1.9	1.9	07/21/17 10:00	
Vinyl acetate	ug/kg	<1.9	1.9	07/21/17 10:00	
Vinyl chloride	ug/kg	<1.9	1.9	07/21/17 10:00	CC
Xylene (Total)	ug/kg	<3.8	3.8	07/21/17 10:00	
1,2-Dichloroethane-d4 (S)	%	117	33-150	07/21/17 10:00	
4-Bromofluorobenzene (S)	%	103	34-145	07/21/17 10:00	
Toluene-d8 (S)	%	109	43-157	07/21/17 10:00	

LABORATORY CONTROL SAMPLE: 151547

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	48.2	55.4	115	74-140	
1,1,1-Trichloroethane	ug/kg	48.2	48.7	101	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	48.2	46.9	97	69-132	CC
1,1,2-Trichloroethane	ug/kg	48.2	42.7	89	73-135	
1,1-Dichloroethane	ug/kg	48.2	40.9	85	53-160	
1,1-Dichloroethene	ug/kg	48.2	31.0	64	47-152	CC
1,1-Dichloropropene	ug/kg	48.2	41.9	87	56-130	
1,2,3-Trichlorobenzene	ug/kg	48.2	49.5	103	48-144	
1,2,3-Trichloropropane	ug/kg	48.2	54.1	112	67-129	
1,2,4-Trichlorobenzene	ug/kg	48.2	50.9	106	52-140	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

LABORATORY CONTROL SAMPLE: 151547

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	48.2	51.8	108	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	48.2	59.7	124	57-140	
1,2-Dibromoethane (EDB)	ug/kg	48.2	50.6	105	76-138	
1,2-Dichlorobenzene	ug/kg	48.2	52.8	110	67-125	
1,2-Dichloroethane	ug/kg	48.2	53.4	111	65-143	
1,2-Dichloropropane	ug/kg	48.2	46.0	96	72-131	
1,3,5-Trimethylbenzene	ug/kg	48.2	49.7	103	49-134	
1,3-Dichlorobenzene	ug/kg	48.2	52.7	109	64-124	
1,3-Dichloropropane	ug/kg	48.2	49.1	102	73-130	
1,4-Dichlorobenzene	ug/kg	48.2	50.5	105	61-127	
2,2-Dichloropropane	ug/kg	48.2	61.2	127	55-140	CC
2-Butanone (MEK)	ug/kg	48.2	51.5	107	52-164	
2-Chloroethylvinyl ether	ug/kg	48.2	31.5	65	43-183	CC
2-Chlorotoluene	ug/kg	48.2	48.8	101	62-125	
2-Hexanone	ug/kg	48.2	55.4	115	66-151	
4-Chlorotoluene	ug/kg	48.2	46.6	97	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	48.2	64.3	133	63-154	
Acetone	ug/kg	48.2	44.0	91	23-196	
Benzene	ug/kg	48.2	43.1	90	65-129	
Bromobenzene	ug/kg	48.2	49.4	102	63-130	
Bromochloromethane	ug/kg	48.2	45.6	95	78-136	
Bromodichloromethane	ug/kg	48.2	53.3	111	74-141	
Bromoform	ug/kg	48.2	64.8	135	59-136	CC
Bromomethane	ug/kg	48.2	38.1	79	32-182	
Carbon disulfide	ug/kg	48.2	32.5	67	26-160	CC
Carbon tetrachloride	ug/kg	48.2	52.5	109	57-135	CC
Chlorobenzene	ug/kg	48.2	51.5	107	62-136	
Chloroethane	ug/kg	48.2	24.0	50	50-159	CC
Chloroform	ug/kg	48.2	48.3	100	71-135	
Chloromethane	ug/kg	48.2	41.6	86	44-139	
cis-1,2-Dichloroethene	ug/kg	48.2	40.4	84	75-130	
cis-1,3-Dichloropropene	ug/kg	48.2	47.0	98	74-140	
Dibromochloromethane	ug/kg	48.2	65.5	136	71-133	CC,L1
Dibromomethane	ug/kg	48.2	46.1	96	75-136	
Dichlorodifluoromethane	ug/kg	48.2	38.7	80	10-155	CC
Ethylbenzene	ug/kg	48.2	50.6	105	59-135	
Hexachloro-1,3-butadiene	ug/kg	48.2	56.6	118	19-152	
Isopropylbenzene (Cumene)	ug/kg	48.2	50.6	105	56-129	
m&p-Xylene	ug/kg	96.3	101	105	69-133	
Methyl-tert-butyl ether	ug/kg	48.2	54.8	114	25-171	
Methylene Chloride	ug/kg	48.2	33.8	70	50-164	CC
n-Butylbenzene	ug/kg	48.2	46.7	97	54-121	
n-Propylbenzene	ug/kg	48.2	46.3	96	56-125	
Naphthalene	ug/kg	48.2	48.7	101	55-145	
o-Xylene	ug/kg	48.2	51.5	107	71-135	
p-Isopropyltoluene	ug/kg	48.2	49.9	104	54-126	
sec-Butylbenzene	ug/kg	48.2	50.1	104	50-126	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

LABORATORY CONTROL SAMPLE: 151547

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/kg	48.2	52.8	110	73-133	
tert-Butylbenzene	ug/kg	48.2	52.4	109	56-127	
Tetrachloroethene	ug/kg	48.2	47.3	98	10-176	
Toluene	ug/kg	48.2	42.1	87	66-131	
trans-1,2-Dichloroethene	ug/kg	48.2	34.9	72	53-157	CC
trans-1,3-Dichloropropene	ug/kg	48.2	45.4	94	66-144	
Trichloroethene	ug/kg	48.2	49.2	102	62-130	
Trichlorofluoromethane	ug/kg	48.2	34.3	71	38-166	
Vinyl acetate	ug/kg	48.2	56.5	117	10-155	
Vinyl chloride	ug/kg	48.2	30.1	62	45-137	CC
Xylene (Total)	ug/kg	145	153	106	62-135	
1,2-Dichloroethane-d4 (S)	%			116	33-150	
4-Bromofluorobenzene (S)	%			102	34-145	
Toluene-d8 (S)	%			104	43-157	

MATRIX SPIKE SAMPLE: 151549

Parameter	Units	7024609004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.9	46	42.0	91	74-140	CC
1,1,1-Trichloroethane	ug/kg	<1.9	46	37.3	81	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	<1.9	46	35.6	78	69-132	
1,1,2-Trichloroethane	ug/kg	<1.9	46	36.1	79	73-135	
1,1-Dichloroethane	ug/kg	<1.9	46	32.8	71	53-160	
1,1-Dichloroethene	ug/kg	<1.9	46	28.1	61	47-152	CC
1,1-Dichloropropene	ug/kg	<1.9	46	31.3	68	56-130	
1,2,3-Trichlorobenzene	ug/kg	<1.9	46	29.1	63	48-144	
1,2,3-Trichloropropane	ug/kg	<1.9	46	40.1	87	67-129	
1,2,4-Trichlorobenzene	ug/kg	<1.9	46	29.2	63	52-140	
1,2,4-Trimethylbenzene	ug/kg	<1.9	46	36.3	79	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	<1.9	46	38.6	84	57-140	
1,2-Dibromoethane (EDB)	ug/kg	<1.9	46	38.4	83	76-138	
1,2-Dichlorobenzene	ug/kg	<1.9	46	34.8	76	67-125	
1,2-Dichloroethane	ug/kg	<1.9	46	36.6	80	65-143	
1,2-Dichloropropane	ug/kg	<1.9	46	36.8	80	72-131	
1,3,5-Trimethylbenzene	ug/kg	<1.9	46	37.2	81	49-134	
1,3-Dichlorobenzene	ug/kg	<1.9	46	34.4	75	64-124	
1,3-Dichloropropane	ug/kg	<1.9	46	36.7	80	73-130	
1,4-Dichlorobenzene	ug/kg	<1.9	46	31.8	69	61-127	
2,2-Dichloropropane	ug/kg	<1.9	46	41.1	89	55-140	CC
2-Butanone (MEK)	ug/kg	<1.9	46	54.8	119	52-164	
2-Chloroethylvinyl ether	ug/kg	<1.9	46	21.9	48	43-183	CC
2-Chlorotoluene	ug/kg	<1.9	46	34.2	74	62-125	
2-Hexanone	ug/kg	<1.9	46	50.7	110	66-151	
4-Chlorotoluene	ug/kg	<1.9	46	30.7	67	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.9	46	49.7	108	63-154	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 7/17
Pace Project No.: 7024604

MATRIX SPIKE SAMPLE:		151549					
Parameter	Units	7024609004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/kg	<1.9	46	55.1	120	23-196	
Benzene	ug/kg	<1.9	46	34.4	75	65-129	
Bromobenzene	ug/kg	<1.9	46	36.0	78	63-130	
Bromochloromethane	ug/kg	<1.9	46	38.2	83	78-136	
Bromodichloromethane	ug/kg	<1.9	46	36.7	80	74-141	
Bromoform	ug/kg	<1.9	46	47.7	104	59-136	CC
Bromomethane	ug/kg	<1.9	46	26.5	58	32-182	
Carbon disulfide	ug/kg	<1.9	46	26.5	58	26-160	CC
Carbon tetrachloride	ug/kg	<1.9	46	33.5	73	57-135	CC
Chlorobenzene	ug/kg	<1.9	46	39.2	85	62-136	
Chloroethane	ug/kg	<1.9	46	21.6	47	50-159	CC,M1
Chloroform	ug/kg	<1.9	46	35.4	77	71-135	
Chloromethane	ug/kg	<1.9	46	36.7	80	44-139	
cis-1,2-Dichloroethene	ug/kg	<1.9	46	29.1	63	75-130	M1
cis-1,3-Dichloropropene	ug/kg	<1.9	46	32.5	71	74-140	M1
Dibromochloromethane	ug/kg	<1.9	46	48.3	105	71-133	CC
Dibromomethane	ug/kg	<1.9	46	36.0	78	75-136	
Dichlorodifluoromethane	ug/kg	<1.9	46	36.7	80	10-155	CC
Ethylbenzene	ug/kg	<1.9	46	39.6	86	59-135	
Hexachloro-1,3-butadiene	ug/kg	<1.9	46	37.0	80	19-152	
Isopropylbenzene (Cumene)	ug/kg	<1.9	46	37.6	82	56-129	
m&p-Xylene	ug/kg	<3.8	91.9	78.6	86	69-133	
Methyl-tert-butyl ether	ug/kg	<1.9	46	32.6	71	25-171	
Methylene Chloride	ug/kg	<1.9	46	26.5	58	50-164	CC
n-Butylbenzene	ug/kg	<1.9	46	30.4	66	54-121	
n-Propylbenzene	ug/kg	<1.9	46	32.6	71	56-125	
Naphthalene	ug/kg	<1.9	46	33.1	72	55-145	
o-Xylene	ug/kg	<1.9	46	40.1	87	71-135	
p-Isopropyltoluene	ug/kg	<1.9	46	35.5	77	54-126	
sec-Butylbenzene	ug/kg	<1.9	46	36.6	80	50-126	
Styrene	ug/kg	<1.9	46	37.8	82	73-133	
tert-Butylbenzene	ug/kg	<1.9	46	36.3	79	56-127	
Tetrachloroethene	ug/kg	<1.9	46	64.4	140	10-176	
Toluene	ug/kg	<1.9	46	31.9	69	66-131	
trans-1,2-Dichloroethene	ug/kg	<1.9	46	26.5	58	53-157	CC
trans-1,3-Dichloropropene	ug/kg	<1.9	46	29.9	65	66-144	M1
Trichloroethene	ug/kg	<1.9	46	36.4	79	62-130	
Trichlorofluoromethane	ug/kg	<1.9	46	27.9	61	38-166	
Vinyl acetate	ug/kg	<1.9	46	36.9	80	10-155	
Vinyl chloride	ug/kg	<1.9	46	26.3	57	45-137	CC
Xylene (Total)	ug/kg	<3.8	137	119	86	62-135	
1,2-Dichloroethane-d4 (S)	%				109	33-150	
4-Bromofluorobenzene (S)	%				103	34-145	
Toluene-d8 (S)	%				109	43-157	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

SAMPLE DUPLICATE: 151548

Parameter	Units	7024609001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.9	<1.3		
1,1,1-Trichloroethane	ug/kg	<1.9	<1.3		
1,1,2,2-Tetrachloroethane	ug/kg	<1.9	<1.3		
1,1,2-Trichloroethane	ug/kg	<1.9	<1.3		
1,1-Dichloroethane	ug/kg	<1.9	<1.3		
1,1-Dichloroethene	ug/kg	<1.9	<1.3		CC
1,1-Dichloropropene	ug/kg	<1.9	<1.3		
1,2,3-Trichlorobenzene	ug/kg	<1.9	<1.3		
1,2,3-Trichloropropane	ug/kg	<1.9	<1.3		
1,2,4-Trichlorobenzene	ug/kg	<1.9	<1.3		
1,2,4-Trimethylbenzene	ug/kg	<1.9	<1.3		
1,2-Dibromo-3-chloropropane	ug/kg	<1.9	<1.3		
1,2-Dibromoethane (EDB)	ug/kg	<1.9	<1.3		
1,2-Dichlorobenzene	ug/kg	<1.9	<1.3		
1,2-Dichloroethane	ug/kg	<1.9	<1.3		
1,2-Dichloropropane	ug/kg	<1.9	<1.3		
1,3,5-Trimethylbenzene	ug/kg	<1.9	<1.3		
1,3-Dichlorobenzene	ug/kg	<1.9	<1.3		
1,3-Dichloropropane	ug/kg	<1.9	<1.3		
1,4-Dichlorobenzene	ug/kg	<1.9	<1.3		
2,2-Dichloropropane	ug/kg	<1.9	<1.3		
2-Butanone (MEK)	ug/kg	<1.9	<1.3		
2-Chloroethylvinyl ether	ug/kg	<1.9	<1.3		CC
2-Chlorotoluene	ug/kg	<1.9	<1.3		
2-Hexanone	ug/kg	<1.9	<1.3		
4-Chlorotoluene	ug/kg	<1.9	<1.3		
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.9	<1.3		
Acetone	ug/kg	<1.9	<1.3		
Benzene	ug/kg	<1.9	<1.3		
Bromobenzene	ug/kg	<1.9	<1.3		
Bromochloromethane	ug/kg	<1.9	<1.3		
Bromodichloromethane	ug/kg	<1.9	<1.3		
Bromoform	ug/kg	<1.9	<1.3		
Bromomethane	ug/kg	<1.9	<1.3		
Carbon disulfide	ug/kg	<1.9	<1.3		CC
Carbon tetrachloride	ug/kg	<1.9	<1.3		
Chlorobenzene	ug/kg	<1.9	<1.3		
Chloroethane	ug/kg	<1.9	<1.3		CC
Chloroform	ug/kg	<1.9	<1.3		
Chloromethane	ug/kg	<1.9	<1.3		
cis-1,2-Dichloroethene	ug/kg	<1.9	<1.3		
cis-1,3-Dichloropropene	ug/kg	<1.9	<1.3		
Dibromochloromethane	ug/kg	<1.9	<1.3		
Dibromomethane	ug/kg	<1.9	<1.3		
Dichlorodifluoromethane	ug/kg	<1.9	<1.3		CC
Ethylbenzene	ug/kg	<1.9	<1.3		
Hexachloro-1,3-butadiene	ug/kg	<1.9	<1.3		

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

SAMPLE DUPLICATE: 151548

Parameter	Units	7024609001 Result	Dup Result	RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/kg	<1.9	<1.3		
m&p-Xylene	ug/kg	<3.7	<2.7		
Methyl-tert-butyl ether	ug/kg	<1.9	<1.3		
Methylene Chloride	ug/kg	<1.9	<1.3		CC
n-Butylbenzene	ug/kg	<1.9	<1.3		
n-Propylbenzene	ug/kg	<1.9	<1.3		
Naphthalene	ug/kg	<1.9	<1.3		
o-Xylene	ug/kg	<1.9	<1.3		
p-Isopropyltoluene	ug/kg	<1.9	<1.3		
sec-Butylbenzene	ug/kg	<1.9	<1.3		
Styrene	ug/kg	<1.9	<1.3		
tert-Butylbenzene	ug/kg	<1.9	<1.3		
Tetrachloroethene	ug/kg	<1.9	<1.3		
Toluene	ug/kg	<1.9	<1.3		
trans-1,2-Dichloroethene	ug/kg	<1.9	<1.3		CC
trans-1,3-Dichloropropene	ug/kg	<1.9	<1.3		
Trichloroethene	ug/kg	<1.9	<1.3		
Trichlorofluoromethane	ug/kg	<1.9	<1.3		
Vinyl acetate	ug/kg	<1.9	<1.3		
Vinyl chloride	ug/kg	<1.9	<1.3		CC
Xylene (Total)	ug/kg	<3.7	<2.7		
1,2-Dichloroethane-d4 (S)	%	123	103	51	
4-Bromofluorobenzene (S)	%	102	100	35	
Toluene-d8 (S)	%	101	109	27	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

QC Batch: 32200

Analysis Method: EPA 8081B

QC Batch Method: EPA 3545A

Analysis Description: 8081 GCS Pesticides

Associated Lab Samples: 7024604005, 7024604006

METHOD BLANK: 148972

Matrix: Solid

Associated Lab Samples: 7024604005, 7024604006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<3.3	3.3	07/27/17 09:16	
4,4'-DDE	ug/kg	<3.3	3.3	07/27/17 09:16	
4,4'-DDT	ug/kg	<3.3	3.3	07/27/17 09:16	
Aldrin	ug/kg	<1.7	1.7	07/27/17 09:16	
alpha-BHC	ug/kg	<1.7	1.7	07/27/17 09:16	
alpha-Chlordane	ug/kg	<1.7	1.7	07/27/17 09:16	
beta-BHC	ug/kg	<1.7	1.7	07/27/17 09:16	
delta-BHC	ug/kg	<1.7	1.7	07/27/17 09:16	
Dieldrin	ug/kg	<3.3	3.3	07/27/17 09:16	
Endosulfan I	ug/kg	<1.7	1.7	07/27/17 09:16	
Endosulfan II	ug/kg	<3.3	3.3	07/27/17 09:16	
Endosulfan sulfate	ug/kg	<3.3	3.3	07/27/17 09:16	
Endrin	ug/kg	<3.3	3.3	07/27/17 09:16	
Endrin aldehyde	ug/kg	<3.3	3.3	07/27/17 09:16	
Endrin ketone	ug/kg	<3.3	3.3	07/27/17 09:16	
gamma-BHC (Lindane)	ug/kg	<1.7	1.7	07/27/17 09:16	
gamma-Chlordane	ug/kg	<1.7	1.7	07/27/17 09:16	
Heptachlor	ug/kg	<1.7	1.7	07/27/17 09:16	
Heptachlor epoxide	ug/kg	<1.7	1.7	07/27/17 09:16	
Methoxychlor	ug/kg	<17.0	17.0	07/27/17 09:16	
Toxaphene	ug/kg	<170	170	07/27/17 09:16	
Decachlorobiphenyl (S)	%	68	30-150	07/27/17 09:16	
Tetrachloro-m-xylene (S)	%	62	30-150	07/27/17 09:16	

LABORATORY CONTROL SAMPLE: 148973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	13.3	12.6	95	57-156	
4,4'-DDE	ug/kg	13.3	12.5	94	52-135	
4,4'-DDT	ug/kg	13.3	14.4	108	54-163	
Aldrin	ug/kg	13.3	11.0	82	49-129	
alpha-BHC	ug/kg	13.3	11.2	84	41-135	
alpha-Chlordane	ug/kg	13.3	10.5	79	43-128	
beta-BHC	ug/kg	13.3	14.2	106	42-158	
delta-BHC	ug/kg	13.3	11.7	88	48-142	
Dieldrin	ug/kg	13.3	11.3	85	57-147	
Endosulfan I	ug/kg	13.3	8.1	61	54-145	
Endosulfan II	ug/kg	13.3	10.6	79	61-137	
Endosulfan sulfate	ug/kg	13.3	13.7	103	51-154	
Endrin	ug/kg	13.3	12.8	96	50-160	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

LABORATORY CONTROL SAMPLE: 148973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin aldehyde	ug/kg	13.3	12.1	90	31-159	
Endrin ketone	ug/kg	13.3	12.8	96	43-171	
gamma-BHC (Lindane)	ug/kg	13.3	12.0	90	39-146	
gamma-Chlordane	ug/kg	13.3	11.0	83	43-134	
Heptachlor	ug/kg	13.3	12.1	91	52-142	
Heptachlor epoxide	ug/kg	13.3	10.9	81	49-128	
Methoxychlor	ug/kg	13.3	<17.0	118	41-188	CC
Decachlorobiphenyl (S)	%			92	30-150	
Tetrachloro-m-xylene (S)	%			82	30-150	

LABORATORY CONTROL SAMPLE: 148974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toxaphene	ug/kg	667	486	73	45-146	IL
Decachlorobiphenyl (S)	%			86	30-150	
Tetrachloro-m-xylene (S)	%			74	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148975 148976

Parameter	Units	7024609005		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
4,4'-DDD	ug/kg	<3.4	13.6	13.6	13.6	14.3	13.6	106	100	57-156	5	
4,4'-DDE	ug/kg	<3.4	13.6	13.6	13.6	11.3	11.7	83	87	52-135	4	
4,4'-DDT	ug/kg	<3.4	13.6	13.6	13.6	14.9	15.0	110	111	64-127	1	
Aldrin	ug/kg	<1.7	13.6	13.6	13.6	12.4	11.5	91	85	35-147	8	
alpha-BHC	ug/kg	<1.7	13.6	13.6	13.6	12.6	11.5	93	85	41-135	10	
alpha-Chlordane	ug/kg	<1.7	13.6	13.6	13.6	11.8	11.3	87	84	43-128	4	
beta-BHC	ug/kg	<1.7	13.6	13.6	13.6	10.9	11.3	80	83	42-158	4	
delta-BHC	ug/kg	<1.7	13.6	13.6	13.6	12.3	11.7	91	87	48-142	5	
Dieldrin	ug/kg	<3.4	13.6	13.6	13.6	12.8	11.7	95	86	47-134	9	
Endosulfan I	ug/kg	<1.7	13.6	13.6	13.6	8.7	8.4	64	62	54-145	3	
Endosulfan II	ug/kg	<3.4	13.6	13.6	13.6	10.8	10.1	80	74	61-137	7	
Endosulfan sulfate	ug/kg	<3.4	13.6	13.6	13.6	13.1	11.4	96	84	51-154	13	
Endrin	ug/kg	<3.4	13.6	13.6	13.6	13.6	12.5	100	92	37-146	9	
Endrin aldehyde	ug/kg	<3.4	13.6	13.6	13.6	14.8	14.1	109	104	31-159	5	
Endrin ketone	ug/kg	<3.4	13.6	13.6	13.6	14.6	14.0	108	103	43-171	4	
gamma-BHC (Lindane)	ug/kg	<1.7	13.6	13.6	13.6	12.2	11.3	90	83	44-139	8	
gamma-Chlordane	ug/kg	<1.7	13.6	13.6	13.6	10.8	10.5	80	78	43-134	2	
Heptachlor	ug/kg	<1.7	13.6	13.6	13.6	13.3	15.6	98	116	57-148	16	
Heptachlor epoxide	ug/kg	<1.7	13.6	13.6	13.6	11.6	11.2	85	83	49-128	3	
Methoxychlor	ug/kg	<17.3	13.6	13.6	13.6	17.8	<17.3	131	108	41-188		
Toxaphene	ug/kg	<173				<173	<173					IL
Decachlorobiphenyl (S)	%							113	92	30-150		
Tetrachloro-m-xylene (S)	%							87	83	30-150		

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

QC Batch: 32201

Analysis Method: EPA 8082A

QC Batch Method: EPA 3545A

Analysis Description: 8082 GCS PCB

Associated Lab Samples: 7024604005, 7024604006

METHOD BLANK: 148977

Matrix: Solid

Associated Lab Samples: 7024604005, 7024604006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	07/26/17 01:35	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	07/26/17 01:35	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	07/26/17 01:35	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	07/26/17 01:35	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	07/26/17 01:35	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	07/26/17 01:35	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	07/26/17 01:35	
Decachlorobiphenyl (S)	%	71	30-150	07/26/17 01:35	
Tetrachloro-m-xylene (S)	%	66	30-150	07/26/17 01:35	

LABORATORY CONTROL SAMPLE: 148978

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	150	90	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	163	98	45-154	
Decachlorobiphenyl (S)	%			90	30-150	
Tetrachloro-m-xylene (S)	%			84	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148979

148980

Parameter	Units	7024609006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<33.2	168	168	131	154	78	91	28-173	16	
PCB-1221 (Aroclor 1221)	ug/kg	<67.4			<67.3	<67.6					
PCB-1232 (Aroclor 1232)	ug/kg	<33.2			<33.2	<33.3					
PCB-1242 (Aroclor 1242)	ug/kg	<33.2			<33.2	<33.3					
PCB-1248 (Aroclor 1248)	ug/kg	<33.2			<33.2	<33.3					
PCB-1254 (Aroclor 1254)	ug/kg	<33.2			<33.2	<33.3					
PCB-1260 (Aroclor 1260)	ug/kg	<33.2	168	168	163	167	98	99	43-138	2	
Decachlorobiphenyl (S)	%						91	92	30-150		
Tetrachloro-m-xylene (S)	%						79	77	30-150		

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

QC Batch:	32329	Analysis Method:	EPA 8151A
QC Batch Method:	EPA 8151A	Analysis Description:	8151 GCS Herbicides
Associated Lab Samples:	7024604005, 7024604006		

METHOD BLANK: 149568 Matrix: Solid

Associated Lab Samples: 7024604005, 7024604006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/kg	<5.0	5.0	07/23/17 14:34	
2,4,5-TP (Silvex)	ug/kg	<5.0	5.0	07/23/17 14:34	
2,4-D	ug/kg	<9.9	9.9	07/23/17 14:34	
Dicamba	ug/kg	<3.0	3.0	07/23/17 14:34	
2,4-DCAA (S)	%	53	29-136	07/23/17 14:34	

LABORATORY CONTROL SAMPLE: 149569

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/kg	19.8	10.6	53	16-136	
2,4,5-TP (Silvex)	ug/kg	19.8	10.9	55	12-146	
2,4-D	ug/kg	59.5	37.8	63	25-157	
Dicamba	ug/kg	19.8	9.6	48	16-136	
2,4-DCAA (S)	%			60	29-136	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 149570 149571

Parameter	Units	7024604005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-T	ug/kg	<5.0	20.1	20	7.2	8.3	36	41	16-136	13	
2,4,5-TP (Silvex)	ug/kg	<5.0	20.1	20	7.4	9.0	37	45	12-146	20	
2,4-D	ug/kg	<10.0	60.3	60.1	23.2	31.0	38	52	25-157	29	
Dicamba	ug/kg	<3.0	20.1	20	5.9	8.1	29	40	16-136	31	R1
2,4-DCAA (S)	%						41	51	29-136		

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

QC Batch: 32173

Analysis Method: EPA 8270D

QC Batch Method: EPA 3545A

Analysis Description: 8270 Solid MSSV

Associated Lab Samples: 7024604005, 7024604006

METHOD BLANK: 148932

Matrix: Solid

Associated Lab Samples: 7024604005, 7024604006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	07/20/17 16:58	
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	07/20/17 16:58	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	07/20/17 16:58	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	07/20/17 16:58	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	07/20/17 16:58	
2,4-Dinitrophenol	ug/kg	<67.0	67.0	07/20/17 16:58	
2,4-Dinitrotoluene	ug/kg	<330	330	07/20/17 16:58	IH
2,6-Dinitrotoluene	ug/kg	<330	330	07/20/17 16:58	
2-Chloronaphthalene	ug/kg	<67.0	67.0	07/20/17 16:58	
2-Chlorophenol	ug/kg	<67.0	67.0	07/20/17 16:58	
2-Methylnaphthalene	ug/kg	<67.0	67.0	07/20/17 16:58	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	07/20/17 16:58	
2-Nitroaniline	ug/kg	<330	330	07/20/17 16:58	
2-Nitrophenol	ug/kg	<330	330	07/20/17 16:58	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	07/20/17 16:58	
3,3'-Dichlorobenzidine	ug/kg	<330	330	07/20/17 16:58	
3-Nitroaniline	ug/kg	<330	330	07/20/17 16:58	
4,6-Dinitro-2-methylphenol	ug/kg	<67.0	67.0	07/20/17 16:58	
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	07/20/17 16:58	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	07/20/17 16:58	
4-Chloroaniline	ug/kg	<330	330	07/20/17 16:58	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	07/20/17 16:58	
4-Nitroaniline	ug/kg	<330	330	07/20/17 16:58	
4-Nitrophenol	ug/kg	<67.0	67.0	07/20/17 16:58	
Acenaphthene	ug/kg	<67.0	67.0	07/20/17 16:58	
Acenaphthylene	ug/kg	<67.0	67.0	07/20/17 16:58	
Anthracene	ug/kg	<67.0	67.0	07/20/17 16:58	
Benzo(a)anthracene	ug/kg	<67.0	67.0	07/20/17 16:58	
Benzo(a)pyrene	ug/kg	<67.0	67.0	07/20/17 16:58	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	07/20/17 16:58	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	07/20/17 16:58	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	07/20/17 16:58	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	07/20/17 16:58	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	07/20/17 16:58	
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	07/20/17 16:58	
Butylbenzylphthalate	ug/kg	<67.0	67.0	07/20/17 16:58	
Carbazole	ug/kg	<67.0	67.0	07/20/17 16:58	
Chrysene	ug/kg	<67.0	67.0	07/20/17 16:58	
Di-n-butylphthalate	ug/kg	<67.0	67.0	07/20/17 16:58	
Di-n-octylphthalate	ug/kg	<67.0	67.0	07/20/17 16:58	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	07/20/17 16:58	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

METHOD BLANK: 148932

Matrix: Solid

Associated Lab Samples: 7024604005, 7024604006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenzofuran	ug/kg	<67.0	67.0	07/20/17 16:58	
Diethylphthalate	ug/kg	<67.0	67.0	07/20/17 16:58	
Dimethylphthalate	ug/kg	<67.0	67.0	07/20/17 16:58	
Fluoranthene	ug/kg	<67.0	67.0	07/20/17 16:58	
Fluorene	ug/kg	<67.0	67.0	07/20/17 16:58	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	07/20/17 16:58	
Hexachlorobenzene	ug/kg	<67.0	67.0	07/20/17 16:58	
Hexachlorocyclopentadiene	ug/kg	<330	330	07/20/17 16:58	CC
Hexachloroethane	ug/kg	<67.0	67.0	07/20/17 16:58	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	07/20/17 16:58	
Isophorone	ug/kg	<67.0	67.0	07/20/17 16:58	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	07/20/17 16:58	
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	07/20/17 16:58	
Naphthalene	ug/kg	<67.0	67.0	07/20/17 16:58	
Nitrobenzene	ug/kg	<67.0	67.0	07/20/17 16:58	
Pentachlorophenol	ug/kg	<670	670	07/20/17 16:58	
Phenanthrene	ug/kg	<67.0	67.0	07/20/17 16:58	
Phenol	ug/kg	<67.0	67.0	07/20/17 16:58	
Pyrene	ug/kg	<67.0	67.0	07/20/17 16:58	
1,2-Dichlorobenzene-d4 (S)	%	63	20-130	07/20/17 16:58	
2,4,6-Tribromophenol (S)	%	107	19-122	07/20/17 16:58	CC
2-Chlorophenol-d4 (S)	%	66	20-130	07/20/17 16:58	
2-Fluorobiphenyl (S)	%	67	30-115	07/20/17 16:58	
2-Fluorophenol (S)	%	63	25-121	07/20/17 16:58	
Nitrobenzene-d5 (S)	%	64	23-120	07/20/17 16:58	
p-Terphenyl-d14 (S)	%	97	18-137	07/20/17 16:58	
Phenol-d5 (S)	%	63	24-113	07/20/17 16:58	

LABORATORY CONTROL SAMPLE: 148933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	911	55	33-116	
2,4,5-Trichlorophenol	ug/kg	1670	929	56	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	929	56	45-110	
2,4-Dichlorophenol	ug/kg	1670	1020	61	41-117	
2,4-Dimethylphenol	ug/kg	1670	562	34	24-96	
2,4-Dinitrophenol	ug/kg	1670	690	41	10-80	CC,IH
2,4-Dinitrotoluene	ug/kg	1670	1270	76	49-112	CC
2,6-Dinitrotoluene	ug/kg	1670	1100	66	50-109	
2-Chloronaphthalene	ug/kg	1670	836	50	35-107	
2-Chlorophenol	ug/kg	1670	839	50	36-109	
2-Methylnaphthalene	ug/kg	1670	966	58	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	934	56	36-104	
2-Nitroaniline	ug/kg	1670	684	41	42-118	CC,L2

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

LABORATORY CONTROL SAMPLE: 148933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitrophenol	ug/kg	1670	1110	67	36-117	CC
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1070	64	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	1010	60	41-116	
3-Nitroaniline	ug/kg	1670	906	54	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	1040	63	16-104	CC
4-Bromophenylphenyl ether	ug/kg	1670	1190	72	50-116	CC
4-Chloro-3-methylphenol	ug/kg	1670	953	57	45-118	
4-Chloroaniline	ug/kg	1670	748	45	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	922	55	48-111	
4-Nitroaniline	ug/kg	1670	927	56	46-110	
4-Nitrophenol	ug/kg	1670	1130	68	26-118	
Acenaphthene	ug/kg	1670	855	51	45-109	
Acenaphthylene	ug/kg	1670	848	51	43-107	
Anthracene	ug/kg	1670	1060	64	50-117	
Benzo(a)anthracene	ug/kg	1670	1040	62	52-116	
Benzo(a)pyrene	ug/kg	1670	1090	65	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1090	66	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	1190	72	30-107	
Benzo(k)fluoranthene	ug/kg	1670	1080	65	54-124	
bis(2-Chloroethoxy)methane	ug/kg	1670	761	46	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	785	47	32-116	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	853	51	60-127	L2
Butylbenzylphthalate	ug/kg	1670	841	50	54-130	L2
Carbazole	ug/kg	1670	1080	65	40-120	
Chrysene	ug/kg	1670	1060	64	48-121	
Di-n-butylphthalate	ug/kg	1670	1050	63	53-124	
Di-n-octylphthalate	ug/kg	1670	893	54	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	1250	75	52-109	
Dibenzofuran	ug/kg	1670	880	53	48-112	
Diethylphthalate	ug/kg	1670	902	54	51-114	
Dimethylphthalate	ug/kg	1670	924	55	49-112	
Fluoranthene	ug/kg	1670	1150	69	45-126	
Fluorene	ug/kg	1670	889	53	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	1030	62	36-118	CC
Hexachlorobenzene	ug/kg	1670	1180	71	51-110	CC
Hexachlorocyclopentadiene	ug/kg	1670	417	25	10-97	CC
Hexachloroethane	ug/kg	1670	906	54	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1180	71	50-108	
Isophorone	ug/kg	1670	782	47	14-129	
N-Nitroso-di-n-propylamine	ug/kg	1670	948	57	33-109	
N-Nitrosodiphenylamine	ug/kg	1670	965	58	39-90	
Naphthalene	ug/kg	1670	865	52	18-142	
Nitrobenzene	ug/kg	1670	780	47	36-119	
Pentachlorophenol	ug/kg	1670	725	43	22-115	
Phenanthrene	ug/kg	1670	1070	64	47-124	
Phenol	ug/kg	1670	895	54	38-104	
Pyrene	ug/kg	1670	1010	60	49-132	

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QUALITY CONTROL DATA

Project: ALCO 7/17
Pace Project No.: 7024604

LABORATORY CONTROL SAMPLE: 148933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%			44	20-130	
2,4,6-Tribromophenol (S)	%			83	19-122	CC
2-Chlorophenol-d4 (S)	%			47	20-130	
2-Fluorobiphenyl (S)	%			48	30-115	
2-Fluorophenol (S)	%			48	25-121	
Nitrobenzene-d5 (S)	%			44	23-120	
p-Terphenyl-d14 (S)	%			65	18-137	
Phenol-d5 (S)	%			48	24-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148949 148950

Parameter	Units	7024604005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.4	1680	1680	953	937	57	56	33-116	2	
2,4,5-Trichlorophenol	ug/kg	<67.4	1680	1680	1090	1060	65	63	45-111	2	
2,4,6-Trichlorophenol	ug/kg	<67.4	1680	1680	1100	1100	65	66	45-110	0	
2,4-Dichlorophenol	ug/kg	<67.4	1680	1680	1250	1210	74	72	41-117	3	
2,4-Dimethylphenol	ug/kg	<67.4	1680	1680	289	302	17	18	24-96	4	M1
2,4-Dinitrophenol	ug/kg	<67.4	1680	1680	<675	<674	0	0	10-80		IH,M1
2,4-Dinitrotoluene	ug/kg	<332	1680	1680	1590	1580	95	94	49-112	1	CC
2,6-Dinitrotoluene	ug/kg	<332	1680	1680	1420	1410	85	84	50-109	1	
2-Chloronaphthalene	ug/kg	<67.4	1680	1680	1100	1080	66	65	35-107	2	
2-Chlorophenol	ug/kg	<67.4	1680	1680	1080	1050	64	63	36-109	3	
2-Methylnaphthalene	ug/kg	<67.4	1680	1680	1240	1230	74	74	31-135	1	
2-Methylphenol(o-Cresol)	ug/kg	<67.4	1680	1680	979	926	58	55	36-104	6	
2-Nitroaniline	ug/kg	<332	1680	1680	1090	1070	65	64	42-118	2	
2-Nitrophenol	ug/kg	<332	1680	1680	1110	1130	66	68	36-117	2	CC
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.4	1680	1680	1030	1030	61	61	37-137	0	
3,3'-Dichlorobenzidine	ug/kg	<332	1680	1680	1350	1350	81	81	41-116	0	
3-Nitroaniline	ug/kg	<332	1680	1680	1250	1210	75	72	40-95	3	
4,6-Dinitro-2-methylphenol	ug/kg	<67.4	1680	1680	<675	<674	19	18	16-104		CC
4-Bromophenylphenyl ether	ug/kg	<67.4	1680	1680	1560	1510	93	90	50-116	3	CC
4-Chloro-3-methylphenol	ug/kg	<67.4	1680	1680	1200	1150	71	69	45-118	4	
4-Chloroaniline	ug/kg	<332	1680	1680	910	897	54	54	29-88	1	
4-Chlorophenylphenyl ether	ug/kg	<67.4	1680	1680	1220	1220	73	73	48-111	0	
4-Nitroaniline	ug/kg	<332	1680	1680	1240	1300	74	78	46-110	5	
4-Nitrophenol	ug/kg	<67.4	1680	1680	1310	1260	78	75	26-118	4	
Acenaphthene	ug/kg	<67.4	1680	1680	1160	1150	69	69	45-109	1	
Acenaphthylene	ug/kg	<67.4	1680	1680	1130	1140	67	68	43-107	0	
Anthracene	ug/kg	<67.4	1680	1680	1400	1370	84	82	50-117	2	
Benzo(a)anthracene	ug/kg	73.4	1680	1680	1340	1320	76	74	52-116	2	
Benzo(a)pyrene	ug/kg	77.0	1680	1680	1390	1360	78	76	56-119	2	
Benzo(b)fluoranthene	ug/kg	97.8	1680	1680	1350	1340	74	74	45-122	1	
Benzo(g,h,i)perylene	ug/kg	<67.4	1680	1680	1440	1370	85	82	30-107	5	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148949 148950											
Parameter	Units	7024604005		MS	MSD	MS		MSD	% Rec		Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	Result	% Rec	Limits	
Benzo(k)fluoranthene	ug/kg	<67.4	1680	1680	1680	1380	1310	79	75	54-124	5
bis(2-Chloroethoxy)methane	ug/kg	<67.4	1680	1680	1680	957	959	57	57	29-112	0
bis(2-Chloroethyl) ether	ug/kg	<67.4	1680	1680	1680	915	878	54	52	32-116	4
bis(2-Ethylhexyl)phthalate	ug/kg	<67.4	1680	1680	1680	1120	1110	67	66	60-127	1
Butylbenzylphthalate	ug/kg	<67.4	1680	1680	1680	1090	1090	65	65	54-130	0
Carbazole	ug/kg	<67.4	1680	1680	1680	1430	1390	85	83	40-120	3
Chrysene	ug/kg	79.3	1680	1680	1680	1360	1330	76	74	48-121	3
Di-n-butylphthalate	ug/kg	<67.4	1680	1680	1680	1340	1310	80	78	53-124	3
Di-n-octylphthalate	ug/kg	<67.4	1680	1680	1680	1170	1140	70	68	46-141	3
Dibenz(a,h)anthracene	ug/kg	<67.4	1680	1680	1680	1510	1480	90	88	52-109	2
Dibenzofuran	ug/kg	<67.4	1680	1680	1680	1180	1190	70	71	48-112	0
Diethylphthalate	ug/kg	<67.4	1680	1680	1680	1170	1170	70	70	51-114	1
Dimethylphthalate	ug/kg	<67.4	1680	1680	1680	1210	1190	72	71	49-112	2
Fluoranthene	ug/kg	142	1680	1680	1680	1550	1510	84	82	45-126	3
Fluorene	ug/kg	<67.4	1680	1680	1680	1190	1170	71	70	47-108	2
Hexachloro-1,3-butadiene	ug/kg	<67.4	1680	1680	1680	1270	1280	75	76	36-118	1 CC
Hexachlorobenzene	ug/kg	<67.4	1680	1680	1680	1560	1510	93	90	51-110	3 CC
Hexachlorocyclopentadiene	ug/kg	<332	1680	1680	1680	<333	<332	13	12	10-97	CC
Hexachloroethane	ug/kg	<67.4	1680	1680	1680	681	686	41	41	34-105	1
Indeno(1,2,3-cd)pyrene	ug/kg	<67.4	1680	1680	1680	1410	1400	84	84	50-108	1
Isophorone	ug/kg	<67.4	1680	1680	1680	1000	1000	60	60	14-129	0
N-Nitroso-di-n-propylamine	ug/kg	<67.4	1680	1680	1680	1030	1000	61	60	33-109	3
N-Nitrosodiphenylamine	ug/kg	<67.4	1680	1680	1680	1100	1050	66	63	39-90	5
Naphthalene	ug/kg	<67.4	1680	1680	1680	1120	1090	67	65	18-142	3
Nitrobenzene	ug/kg	<67.4	1680	1680	1680	1050	1010	62	60	36-119	3
Pentachlorophenol	ug/kg	<67.4	1680	1680	1680	<675	<674	17	18	22-115	M1
Phenanthrene	ug/kg	<67.4	1680	1680	1680	1430	1380	85	82	47-124	4
Phenol	ug/kg	<67.4	1680	1680	1680	1100	1060	66	63	38-104	4
Pyrene	ug/kg	122	1680	1680	1680	1380	1340	75	73	49-132	3
1,2-Dichlorobenzene-d4 (S)	%							56	55	20-130	
2,4,6-Tribromophenol (S)	%							86	89	19-122	CC
2-Chlorophenol-d4 (S)	%							60	60	20-130	
2-Fluorobiphenyl (S)	%							65	65	30-115	
2-Fluorophenol (S)	%							58	57	25-121	
Nitrobenzene-d5 (S)	%							59	57	23-120	
p-Terphenyl-d14 (S)	%							85	84	18-137	
Phenol-d5 (S)	%							60	58	24-113	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

QC Batch: 32076

Analysis Method: ASTM D2216-92M

QC Batch Method: ASTM D2216-92M

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 7024604005, 7024604006

SAMPLE DUPLICATE: 148397

Parameter	Units	7024462001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	15.2	13.5	12	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024604

QC Batch:	32319	Analysis Method:	ASTM D2216-92M
QC Batch Method:	ASTM D2216-92M	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	7024604001, 7024604002, 7024604003, 7024604004		

SAMPLE DUPLICATE: 149526

Parameter	Units	7024417002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	28.5	26.8	6	

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 7/17

Pace Project No.: 7024604

QC Batch: 33068

Analysis Method: EPA 9014 Total Cyanide

QC Batch Method: EPA 9010C

Analysis Description: 9014 Total Cyanide

Associated Lab Samples: 7024604005, 7024604006

METHOD BLANK: 153012

Matrix: Solid

Associated Lab Samples: 7024604005, 7024604006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	<0.50	0.50	07/27/17 16:39	

LABORATORY CONTROL SAMPLE: 153013

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	57.7	43.7	76	11-189	

MATRIX SPIKE SAMPLE: 153014

Parameter	Units	7024604005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	<0.50	5.1	0.53	11	75-125	M1

SAMPLE DUPLICATE: 153015

Parameter	Units	7024604005 Result	Dup Result	RPD	Qualifiers
Cyanide	mg/kg	<0.50	<0.51		

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

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QUALIFIERS

Project: ALCO 7/17
Pace Project No.: 7024604

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: 7024604001
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.
Sample: 7024604002
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.
Sample: 7024604003
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.
Sample: 7024604004
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.
Sample: 151548
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.
Sample: 151549
[1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.

ANALYTE QUALIFIERS

CC The continuing calibration for this compound is outside of method control limits. The result is estimated.
D6 The precision between the sample and sample duplicate exceeded laboratory control limits.
IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IL This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: ALCO 7/17

Pace Project No.: 7024604

ANALYTE QUALIFIERS

- | | |
|----|---|
| 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. |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |
| R1 | RPD value was outside control limits. |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO 7/17

Pace Project No.: 7024604

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7024604005	SC-27	EPA 3545A	32200	EPA 8081B	32683
7024604006	SC-28	EPA 3545A	32200	EPA 8081B	32683
7024604005	SC-27	EPA 3545A	32201	EPA 8082A	32684
7024604006	SC-28	EPA 3545A	32201	EPA 8082A	32684
7024604005	SC-27	EPA 8151A	32329	EPA 8151A	32476
7024604006	SC-28	EPA 8151A	32329	EPA 8151A	32476
7024604005	SC-27	EPA 3050B	32314	EPA 6010C	32341
7024604006	SC-28	EPA 3050B	32314	EPA 6010C	32341
7024604005	SC-27	EPA 7471B	32318	EPA 7471B	32345
7024604006	SC-28	EPA 7471B	32318	EPA 7471B	32345
7024604005	SC-27	EPA 3545A	32173	EPA 8270D	32211
7024604006	SC-28	EPA 3545A	32173	EPA 8270D	32211
7024604001	S-62	EPA 5035A-L	32739	EPA 8260C	32762
7024604002	S-63	EPA 5035A-L	32739	EPA 8260C	32762
7024604003	S-64	EPA 5035A-L	32739	EPA 8260C	32762
7024604004	S-65	EPA 5035A-L	32739	EPA 8260C	32762
7024604001	S-62	ASTM D2216-92M	32319		
7024604002	S-63	ASTM D2216-92M	32319		
7024604003	S-64	ASTM D2216-92M	32319		
7024604004	S-65	ASTM D2216-92M	32319		
7024604005	SC-27	ASTM D2216-92M	32076		
7024604006	SC-28	ASTM D2216-92M	32076		
7024604005	SC-27	EPA 9010C	33068	EPA 9014 Total Cyanide	33126
7024604006	SC-28	EPA 9010C	33068	EPA 9014 Total Cyanide	33126

REPORT OF LABORATORY ANALYSIS

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WO#: 7024604

Dr.
12308

CHAIN-OF-CUSTODY / Analytical Request Document

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



Section C Required Client Information: Company: Barton and Loguidice DPC Address: 10 Airline Drive, Suite 200 Albany, NY 12205 Email To: nshaffer@bartonandloguidice.com Phone: 518-218-1801 Fax: 518-218-1805 Project Name: ALCO Project Number: 1368.001.001		Required Project Information: Report To: Andy Barber Copy To: Nathan Shaffer Purchase Order No.: Project Name: ALCO Project Number: 1368.001.001		Section B Invoice Information: Attention: Accounts Payable Company Name: Barton and Loguidice, DPC Address: 443 Electronics Parkway Liverpool NY, 13088 Pace Quote Reference: 00014909 Pace Project Manager: Cathy Chen Pace Profile #:		Section A REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> OTHER SITE <input type="checkbox"/> GA <input type="checkbox"/> IL <input type="checkbox"/> IN <input type="checkbox"/> MI <input type="checkbox"/> NC LOCATION <input type="checkbox"/> OH <input type="checkbox"/> SC <input type="checkbox"/> WI <input type="checkbox"/> OTHER		Page: 1 of 1												
Section D Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes DW WATER WASTE WATER PRODUCT DROSS OIL WPE AR AS TISSE	Required MATRIX CODE DW WT WW P L OIL WPE AR AS TISSE	MATRIX CODE G-RAB C=COMP	COLLECTED COMPOSITE START DATE TIME COMPOSITE END/GRAB DATE TIME	SAMPLE TEMP AT COLLECTION # OF CONTAINERS	Preservatives H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Requested Analyte * PCBs by 8260 * SVOC by 8260 * Hydrocarbon, Petroleum * Metals Mercury by 8260 * Cyanide * Formal Chlorine (Y/N)	Pace Project No. Lab ID												
									1	S-62	SL G	7/17/17	15:52	1	X	X	X	X	X	002
									2	S-63	SL G	7/17/17	15:52	1	X	X	X	X	X	003
									3	S-64	SL G	7/17/17	15:55	1	X	X	X	X	X	004
									4	S-65	SL G	7/17/17	15:58	1	X	X	X	X	X	005
									5	SC-27	SL C	7/17/17	15:55	3	X	X	X	X	X	006
									6	SC-28	SL C	7/17/17	15:58	3	X	X	X	X	X	006
									7											
									8											
									9											
									10											
									11											
12																				
Section E Additional Comments Standard Deliverables Standard TTH		RELINQUISHED BY / AFFILIATION [Signature] [Signature] [Signature]		DATE 7/17/17 7/18/17 7-19-17		TIME 8:03 16:00 10:00		ACCEPTED BY / AFFILIATION [Signature] [Signature] [Signature]		DATE 7/16/17 7-19-17		TIME 8:03 10:00		SAMPLE CONDITIONS Received on ice Y/N Custody Sealed Cooler Y/N Samples intact Y/N						
Section F SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Nathan Shaffer SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 7/17/17																				



Sample Condition Upon Receipt

Client Name:

Project:

WO#: 7024604

PM: CNP Due Date: 07/27/17

CLIENT: B&L

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

Tracking #: 7359 2888 4622

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No

Seals intact: ☒ Yes ☐ No

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

Type of Ice: Wet Blue None

Thermometer Used: TH092

Correction Factor: 0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 1.3

Cooler Temperature Corrected (°C): 1.3

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: 7/19/17

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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5035A sampling method not followed. Rec'd 402 yes for VOCs
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix SL WT OIL		
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> 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)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Samples State/County not indicated on COC. The lab must be notified whether samples are from a regulated soil county.

PCB method 8280 is requested on COC. PCB method = 8082

March 08, 2018

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

RE: Project: ALCO 7/17
Pace Project No.: 7024609

Dear Corinne Steinmuller:

Enclosed are the analytical results for sample(s) received by the laboratory on July 19, 2017. 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,



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

Enclosures

cc: Andy Barber, B&L
Accounts Payable, Barton and Loguidice



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: ALCO 7/17

Pace Project No.: 7024609

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 7/17

Pace Project No.: 7024609

Sample: S-58 **Lab ID: 7024609001** Collected: 07/17/17 16:00 Received: 07/19/17 10:00 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	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	630-20-6	
1,1,1-Trichloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	71-55-6	
1,1,2,2-Tetrachloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	79-34-5	
1,1,2-Trichloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	79-00-5	
1,1-Dichloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	75-34-3	
1,1-Dichloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	75-35-4	CC
1,1-Dichloropropene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	563-58-6	
1,2,3-Trichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	87-61-6	
1,2,3-Trichloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	96-18-4	
1,2,4-Trichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	120-82-1	
1,2,4-Trimethylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	95-63-6	
1,2-Dibromo-3-chloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	96-12-8	
1,2-Dibromoethane (EDB)	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	106-93-4	
1,2-Dichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	95-50-1	
1,2-Dichloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	107-06-2	
1,2-Dichloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	78-87-5	
1,3,5-Trimethylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	108-67-8	
1,3-Dichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	541-73-1	
1,3-Dichloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	142-28-9	
1,4-Dichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	106-46-7	
2,2-Dichloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	594-20-7	
2-Butanone (MEK)	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	78-93-3	
2-Chloroethylvinyl ether	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	110-75-8	CC
2-Chlorotoluene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	95-49-8	
2-Hexanone	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	591-78-6	
4-Chlorotoluene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	106-43-4	
4-Methyl-2-pentanone (MIBK)	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	108-10-1	
Acetone	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	67-64-1	
Benzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	71-43-2	
Bromobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	108-86-1	
Bromochloromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	74-97-5	
Bromodichloromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	75-27-4	
Bromoform	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	75-25-2	
Bromomethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	74-83-9	
Carbon disulfide	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	75-15-0	CC
Carbon tetrachloride	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	56-23-5	
Chlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	108-90-7	
Chloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	75-00-3	CC
Chloroform	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	67-66-3	
Chloromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	74-87-3	
Dibromochloromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	124-48-1	L1
Dibromomethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	74-95-3	
Dichlorodifluoromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	75-71-8	CC
Ethylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	100-41-4	
Hexachloro-1,3-butadiene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	87-68-3	
Isopropylbenzene (Cumene)	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: S-58 **Lab ID: 7024609001** Collected: 07/17/17 16:00 Received: 07/19/17 10:00 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								
Methyl-tert-butyl ether	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	1634-04-4	
Methylene Chloride	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	75-09-2	CC
Naphthalene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	91-20-3	
Styrene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	100-42-5	
Tetrachloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	127-18-4	
Toluene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	108-88-3	
Trichloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	79-01-6	
Trichlorofluoromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	75-69-4	
Vinyl acetate	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	108-05-4	
Vinyl chloride	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	75-01-4	CC
Xylene (Total)	<3.7	ug/kg	3.7	1	07/21/17 07:25	07/21/17 12:37	1330-20-7	
cis-1,2-Dichloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	156-59-2	
cis-1,3-Dichloropropene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	10061-01-5	
m&p-Xylene	<3.7	ug/kg	3.7	1	07/21/17 07:25	07/21/17 12:37	179601-23-1	
n-Butylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	104-51-8	
n-Propylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	103-65-1	
o-Xylene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	95-47-6	
p-Isopropyltoluene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	99-87-6	
sec-Butylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	135-98-8	
tert-Butylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	98-06-6	
trans-1,2-Dichloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	156-60-5	CC
trans-1,3-Dichloropropene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 12:37	10061-02-6	
Surrogates								
Toluene-d8 (S)	101	%	43-157	1	07/21/17 07:25	07/21/17 12:37	2037-26-5	
4-Bromofluorobenzene (S)	102	%	34-145	1	07/21/17 07:25	07/21/17 12:37	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	33-150	1	07/21/17 07:25	07/21/17 12:37	17060-07-0	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	2.5	%	0.10	1		07/20/17 20:07		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: S-59 **Lab ID: 7024609002** Collected: 07/17/17 16:02 Received: 07/19/17 10:00 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	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	630-20-6	
1,1,1-Trichloroethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	71-55-6	
1,1,2,2-Tetrachloroethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	79-34-5	
1,1,2-Trichloroethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	79-00-5	
1,1-Dichloroethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	75-34-3	
1,1-Dichloroethene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	75-35-4	CC
1,1-Dichloropropene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	87-61-6	
1,2,3-Trichloropropane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	96-18-4	
1,2,4-Trichlorobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	120-82-1	
1,2,4-Trimethylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	95-63-6	
1,2-Dibromo-3-chloropropane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	96-12-8	
1,2-Dibromoethane (EDB)	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	106-93-4	
1,2-Dichlorobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	95-50-1	
1,2-Dichloroethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	107-06-2	
1,2-Dichloropropane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	78-87-5	
1,3,5-Trimethylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	108-67-8	
1,3-Dichlorobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	541-73-1	
1,3-Dichloropropane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	142-28-9	
1,4-Dichlorobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	106-46-7	
2,2-Dichloropropane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	594-20-7	
2-Butanone (MEK)	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	78-93-3	
2-Chloroethylvinyl ether	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	110-75-8	CC
2-Chlorotoluene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	95-49-8	
2-Hexanone	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	591-78-6	
4-Chlorotoluene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	108-10-1	
Acetone	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	67-64-1	
Benzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	71-43-2	
Bromobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	108-86-1	
Bromochloromethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	74-97-5	
Bromodichloromethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	75-27-4	
Bromoform	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	75-25-2	
Bromomethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	74-83-9	
Carbon disulfide	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	75-15-0	CC
Carbon tetrachloride	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	56-23-5	
Chlorobenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	108-90-7	
Chloroethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	75-00-3	CC
Chloroform	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	67-66-3	
Chloromethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	74-87-3	
Dibromochloromethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	124-48-1	L1
Dibromomethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	74-95-3	
Dichlorodifluoromethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	75-71-8	CC
Ethylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	87-68-3	
Isopropylbenzene (Cumene)	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: S-59 **Lab ID: 7024609002** Collected: 07/17/17 16:02 Received: 07/19/17 10:00 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								
Methyl-tert-butyl ether	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	1634-04-4	
Methylene Chloride	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	75-09-2	CC
Naphthalene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	91-20-3	
Styrene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	100-42-5	
Tetrachloroethene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	127-18-4	
Toluene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	108-88-3	
Trichloroethene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	79-01-6	
Trichlorofluoromethane	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	75-69-4	
Vinyl acetate	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	108-05-4	
Vinyl chloride	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	75-01-4	CC
Xylene (Total)	<4.1	ug/kg	4.1	1	07/21/17 07:25	07/21/17 12:57	1330-20-7	
cis-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	156-59-2	
cis-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	10061-01-5	
m&p-Xylene	<4.1	ug/kg	4.1	1	07/21/17 07:25	07/21/17 12:57	179601-23-1	
n-Butylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	104-51-8	
n-Propylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	103-65-1	
o-Xylene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	95-47-6	
p-Isopropyltoluene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	99-87-6	
sec-Butylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	135-98-8	
tert-Butylbenzene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	98-06-6	
trans-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	156-60-5	CC
trans-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	07/21/17 07:25	07/21/17 12:57	10061-02-6	
Surrogates								
Toluene-d8 (S)	108	%	43-157	1	07/21/17 07:25	07/21/17 12:57	2037-26-5	
4-Bromofluorobenzene (S)	103	%	34-145	1	07/21/17 07:25	07/21/17 12:57	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	33-150	1	07/21/17 07:25	07/21/17 12:57	17060-07-0	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	1.8	%	0.10	1		07/20/17 20:07		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: S-60 **Lab ID: 7024609003** Collected: 07/17/17 16:04 Received: 07/19/17 10:00 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	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	630-20-6	
1,1,1-Trichloroethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	71-55-6	
1,1,2,2-Tetrachloroethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	79-34-5	
1,1,2-Trichloroethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	79-00-5	
1,1-Dichloroethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	75-34-3	
1,1-Dichloroethene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	75-35-4	CC
1,1-Dichloropropene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	563-58-6	
1,2,3-Trichlorobenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	87-61-6	
1,2,3-Trichloropropane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	96-18-4	
1,2,4-Trichlorobenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	120-82-1	
1,2,4-Trimethylbenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	106-93-4	
1,2-Dichlorobenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	95-50-1	
1,2-Dichloroethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	107-06-2	
1,2-Dichloropropane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	78-87-5	
1,3,5-Trimethylbenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	108-67-8	
1,3-Dichlorobenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	541-73-1	
1,3-Dichloropropane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	142-28-9	
1,4-Dichlorobenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	106-46-7	
2,2-Dichloropropane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	594-20-7	
2-Butanone (MEK)	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	78-93-3	
2-Chloroethylvinyl ether	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	110-75-8	CC
2-Chlorotoluene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	95-49-8	
2-Hexanone	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	591-78-6	
4-Chlorotoluene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	106-43-4	
4-Methyl-2-pentanone (MIBK)	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	108-10-1	
Acetone	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	67-64-1	
Benzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	71-43-2	
Bromobenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	108-86-1	
Bromochloromethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	74-97-5	
Bromodichloromethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	75-27-4	
Bromoform	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	75-25-2	
Bromomethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	74-83-9	
Carbon disulfide	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	75-15-0	CC
Carbon tetrachloride	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	56-23-5	
Chlorobenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	108-90-7	
Chloroethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	75-00-3	CC
Chloroform	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	67-66-3	
Chloromethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	74-87-3	
Dibromochloromethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	124-48-1	L1
Dibromomethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	74-95-3	
Dichlorodifluoromethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	75-71-8	CC
Ethylbenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	100-41-4	
Hexachloro-1,3-butadiene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	87-68-3	
Isopropylbenzene (Cumene)	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	98-82-8	

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: S-60 **Lab ID: 7024609003** Collected: 07/17/17 16:04 Received: 07/19/17 10:00 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								
Methyl-tert-butyl ether	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	1634-04-4	
Methylene Chloride	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	75-09-2	CC
Naphthalene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	91-20-3	
Styrene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	100-42-5	
Tetrachloroethene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	127-18-4	
Toluene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	108-88-3	
Trichloroethene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	79-01-6	
Trichlorofluoromethane	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	75-69-4	
Vinyl acetate	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	108-05-4	
Vinyl chloride	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	75-01-4	CC
Xylene (Total)	<3.7	ug/kg	3.7	1	07/21/17 07:25	07/21/17 13:47	1330-20-7	
cis-1,2-Dichloroethene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	156-59-2	
cis-1,3-Dichloropropene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	10061-01-5	
m&p-Xylene	<3.7	ug/kg	3.7	1	07/21/17 07:25	07/21/17 13:47	179601-23-1	
n-Butylbenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	104-51-8	
n-Propylbenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	103-65-1	
o-Xylene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	95-47-6	
p-Isopropyltoluene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	99-87-6	
sec-Butylbenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	135-98-8	
tert-Butylbenzene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	98-06-6	
trans-1,2-Dichloroethene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	156-60-5	CC
trans-1,3-Dichloropropene	<1.8	ug/kg	1.8	1	07/21/17 07:25	07/21/17 13:47	10061-02-6	
Surrogates								
Toluene-d8 (S)	106	%	43-157	1	07/21/17 07:25	07/21/17 13:47	2037-26-5	
4-Bromofluorobenzene (S)	105	%	34-145	1	07/21/17 07:25	07/21/17 13:47	460-00-4	
1,2-Dichloroethane-d4 (S)	129	%	33-150	1	07/21/17 07:25	07/21/17 13:47	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	3.1	%	0.10	1	07/20/17 20:07			
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: S-61 **Lab ID: 7024609004** Collected: 07/17/17 16:05 Received: 07/19/17 10:00 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	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	630-20-6	
1,1,1-Trichloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	71-55-6	
1,1,2,2-Tetrachloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	79-34-5	
1,1,2-Trichloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	79-00-5	
1,1-Dichloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	75-34-3	
1,1-Dichloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	75-35-4	CC
1,1-Dichloropropene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	563-58-6	
1,2,3-Trichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	87-61-6	
1,2,3-Trichloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	96-18-4	
1,2,4-Trichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	120-82-1	
1,2,4-Trimethylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	95-63-6	
1,2-Dibromo-3-chloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	96-12-8	
1,2-Dibromoethane (EDB)	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	106-93-4	
1,2-Dichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	95-50-1	
1,2-Dichloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	107-06-2	
1,2-Dichloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	78-87-5	
1,3,5-Trimethylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	108-67-8	
1,3-Dichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	541-73-1	
1,3-Dichloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	142-28-9	
1,4-Dichlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	106-46-7	
2,2-Dichloropropane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	594-20-7	
2-Butanone (MEK)	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	78-93-3	
2-Chloroethylvinyl ether	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	110-75-8	CC
2-Chlorotoluene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	95-49-8	
2-Hexanone	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	591-78-6	
4-Chlorotoluene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	106-43-4	
4-Methyl-2-pentanone (MIBK)	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	108-10-1	
Acetone	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	67-64-1	
Benzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	71-43-2	
Bromobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	108-86-1	
Bromochloromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	74-97-5	
Bromodichloromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	75-27-4	
Bromoform	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	75-25-2	
Bromomethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	74-83-9	
Carbon disulfide	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	75-15-0	CC
Carbon tetrachloride	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	56-23-5	
Chlorobenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	108-90-7	
Chloroethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	75-00-3	CC,M1
Chloroform	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	67-66-3	
Chloromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	74-87-3	
Dibromochloromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	124-48-1	L1
Dibromomethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	74-95-3	
Dichlorodifluoromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	75-71-8	CC
Ethylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	100-41-4	
Hexachloro-1,3-butadiene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	87-68-3	
Isopropylbenzene (Cumene)	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: S-61 **Lab ID: 7024609004** Collected: 07/17/17 16:05 Received: 07/19/17 10:00 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								
Methyl-tert-butyl ether	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	1634-04-4	
Methylene Chloride	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	75-09-2	CC
Naphthalene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	91-20-3	
Styrene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	100-42-5	
Tetrachloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	127-18-4	
Toluene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	108-88-3	
Trichloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	79-01-6	
Trichlorofluoromethane	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	75-69-4	
Vinyl acetate	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	108-05-4	
Vinyl chloride	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	75-01-4	CC
Xylene (Total)	<3.8	ug/kg	3.8	1	07/21/17 07:25	07/21/17 14:08	1330-20-7	
cis-1,2-Dichloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	156-59-2	M1
cis-1,3-Dichloropropene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	10061-01-5	M1
m&p-Xylene	<3.8	ug/kg	3.8	1	07/21/17 07:25	07/21/17 14:08	179601-23-1	
n-Butylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	104-51-8	
n-Propylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	103-65-1	
o-Xylene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	95-47-6	
p-Isopropyltoluene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	99-87-6	
sec-Butylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	135-98-8	
tert-Butylbenzene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	98-06-6	
trans-1,2-Dichloroethene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	156-60-5	CC
trans-1,3-Dichloropropene	<1.9	ug/kg	1.9	1	07/21/17 07:25	07/21/17 14:08	10061-02-6	M1
Surrogates								
Toluene-d8 (S)	106	%	43-157	1	07/21/17 07:25	07/21/17 14:08	2037-26-5	
4-Bromofluorobenzene (S)	102	%	34-145	1	07/21/17 07:25	07/21/17 14:08	460-00-4	
1,2-Dichloroethane-d4 (S)	126	%	33-150	1	07/21/17 07:25	07/21/17 14:08	17060-07-0	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	3.2	%	0.10	1		07/20/17 20:07		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17
Pace Project No.: 7024609

Sample: SC-25 **Lab ID: 7024609005** Collected: 07/17/17 16:02 Received: 07/19/17 10:00 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
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3545A								
Aldrin	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:30	309-00-2	
alpha-BHC	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:30	319-84-6	
beta-BHC	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:30	319-85-7	
delta-BHC	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:30	319-86-8	
gamma-BHC (Lindane)	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:30	58-89-9	
alpha-Chlordane	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:30	5103-71-9	
gamma-Chlordane	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:30	5103-74-2	
4,4'-DDD	<3.4	ug/kg	3.4	1	07/19/17 23:35	07/27/17 10:30	72-54-8	
4,4'-DDE	<3.4	ug/kg	3.4	1	07/19/17 23:35	07/27/17 10:29	72-55-9	
4,4'-DDT	<3.4	ug/kg	3.4	1	07/19/17 23:35	07/27/17 10:30	50-29-3	
Dieldrin	<3.4	ug/kg	3.4	1	07/19/17 23:35	07/27/17 10:30	60-57-1	
Endosulfan I	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:30	959-98-8	
Endosulfan II	<3.4	ug/kg	3.4	1	07/19/17 23:35	07/27/17 10:30	33213-65-9	
Endosulfan sulfate	<3.4	ug/kg	3.4	1	07/19/17 23:35	07/27/17 10:30	1031-07-8	
Endrin	<3.4	ug/kg	3.4	1	07/19/17 23:35	07/27/17 10:30	72-20-8	
Endrin aldehyde	<3.4	ug/kg	3.4	1	07/19/17 23:35	07/27/17 10:30	7421-93-4	
Endrin ketone	<3.4	ug/kg	3.4	1	07/19/17 23:35	07/27/17 10:30	53494-70-5	
Heptachlor	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:30	76-44-8	
Heptachlor epoxide	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 10:30	1024-57-3	
Methoxychlor	<17.3	ug/kg	17.3	1	07/19/17 23:35	07/27/17 10:30	72-43-5	
Toxaphene	<173	ug/kg	173	1	07/19/17 23:35	07/27/17 10:30	8001-35-2	IL
Surrogates								
Tetrachloro-m-xylene (S)	82	%	30-150	1	07/19/17 23:35	07/27/17 10:29	877-09-8	
Decachlorobiphenyl (S)	98	%	30-150	1	07/19/17 23:35	07/27/17 10:30	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3545A								
PCB-1016 (Aroclor 1016)	<33.6	ug/kg	33.6	1	07/19/17 23:35	07/26/17 02:26	12674-11-2	
PCB-1221 (Aroclor 1221)	<68.2	ug/kg	68.2	1	07/19/17 23:35	07/26/17 02:26	11104-28-2	
PCB-1232 (Aroclor 1232)	<33.6	ug/kg	33.6	1	07/19/17 23:35	07/26/17 02:26	11141-16-5	
PCB-1242 (Aroclor 1242)	<33.6	ug/kg	33.6	1	07/19/17 23:35	07/26/17 02:26	53469-21-9	
PCB-1248 (Aroclor 1248)	<33.6	ug/kg	33.6	1	07/19/17 23:35	07/26/17 02:26	12672-29-6	
PCB-1254 (Aroclor 1254)	<33.6	ug/kg	33.6	1	07/19/17 23:35	07/26/17 02:26	11097-69-1	
PCB-1260 (Aroclor 1260)	<33.6	ug/kg	33.6	1	07/19/17 23:35	07/26/17 02:26	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	80	%	30-150	1	07/19/17 23:35	07/26/17 02:26	877-09-8	
Decachlorobiphenyl (S)	93	%	30-150	1	07/19/17 23:35	07/26/17 02:26	2051-24-3	
8151 Chlorinated Herbicides Analytical Method: EPA 8151A Preparation Method: EPA 8151A								
2,4-D	<10.2	ug/kg	10.2	1	07/20/17 09:00	07/23/17 17:40	94-75-7	
Dicamba	<3.1	ug/kg	3.1	1	07/20/17 09:00	07/23/17 17:40	1918-00-9	
2,4,5-T	<5.1	ug/kg	5.1	1	07/20/17 09:00	07/23/17 17:40	93-76-5	
2,4,5-TP (Silvex)	<5.1	ug/kg	5.1	1	07/20/17 09:00	07/23/17 17:40	93-72-1	
Surrogates								
2,4-DCAA (S)	52	%	29-136	1	07/20/17 09:00	07/23/17 17:40	19719-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: SC-25 **Lab ID: 7024609005** Collected: 07/17/17 16:02 Received: 07/19/17 10:00 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
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	5360	mg/kg	10.2	1	07/20/17 12:23	07/21/17 19:13	7429-90-5	
Antimony	<3.1	mg/kg	3.1	1	07/20/17 12:23	07/21/17 19:13	7440-36-0	
Arsenic	4.9	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:13	7440-38-2	
Barium	31.6	mg/kg	10.2	1	07/20/17 12:23	07/21/17 19:13	7440-39-3	
Beryllium	<0.26	mg/kg	0.26	1	07/20/17 12:23	07/21/17 19:13	7440-41-7	
Cadmium	0.18	mg/kg	0.13	1	07/20/17 12:23	07/21/17 19:13	7440-43-9	
Calcium	20100	mg/kg	51.0	1	07/20/17 12:23	07/21/17 19:13	7440-70-2	
Chromium	2.4	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:13	7440-47-3	
Cobalt	4.9	mg/kg	2.6	1	07/20/17 12:23	07/21/17 19:13	7440-48-4	
Copper	19.6	mg/kg	1.3	1	07/20/17 12:23	07/21/17 19:13	7440-50-8	
Iron	14200	mg/kg	5.1	1	07/20/17 12:23	07/21/17 19:13	7439-89-6	
Lead	7.2	mg/kg	0.26	1	07/20/17 12:23	07/21/17 19:13	7439-92-1	
Magnesium	5400	mg/kg	51.0	1	07/20/17 12:23	07/21/17 19:13	7439-95-4	
Manganese	430	mg/kg	0.77	1	07/20/17 12:23	07/21/17 19:13	7439-96-5	
Nickel	13.1	mg/kg	2.0	1	07/20/17 12:23	07/21/17 19:13	7440-02-0	
Potassium	692	mg/kg	255	1	07/20/17 12:23	07/21/17 19:13	7440-09-7	
Selenium	<0.51	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:13	7782-49-2	
Silver	1.6	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:13	7440-22-4	
Sodium	<255	mg/kg	255	1	07/20/17 12:23	07/21/17 19:13	7440-23-5	
Thallium	<0.51	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:13	7440-28-0	
Vanadium	10.1	mg/kg	2.6	1	07/20/17 12:23	07/21/17 19:13	7440-62-2	
Zinc	40.0	mg/kg	1.0	1	07/20/17 12:23	07/21/17 19:13	7440-66-6	

7471 Mercury

Analytical Method: EPA 7471B Preparation Method: EPA 7471B

Mercury	<0.039	mg/kg	0.039	1	07/20/17 13:27	07/24/17 16:27	7439-97-6	
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

2,2'-Oxybis(1-chloropropane)	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	108-60-1	
2,4,5-Trichlorophenol	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	95-95-4	
2,4,6-Trichlorophenol	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	88-06-2	
2,4-Dichlorophenol	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	120-83-2	
2,4-Dimethylphenol	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	105-67-9	
2,4-Dinitrophenol	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	51-28-5	IH
2,4-Dinitrotoluene	<336	ug/kg	336	1	07/19/17 19:46	07/20/17 20:18	121-14-2	
2,6-Dinitrotoluene	<336	ug/kg	336	1	07/19/17 19:46	07/20/17 20:18	606-20-2	
2-Chloronaphthalene	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	91-58-7	
2-Chlorophenol	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	95-57-8	
2-Methylnaphthalene	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	91-57-6	
2-Methylphenol(o-Cresol)	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	95-48-7	
2-Nitroaniline	<336	ug/kg	336	1	07/19/17 19:46	07/20/17 20:18	88-74-4	L2
2-Nitrophenol	<336	ug/kg	336	1	07/19/17 19:46	07/20/17 20:18	88-75-5	
3&4-Methylphenol(m&p Cresol)	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18		
3,3'-Dichlorobenzidine	<336	ug/kg	336	1	07/19/17 19:46	07/20/17 20:18	91-94-1	
3-Nitroaniline	<336	ug/kg	336	1	07/19/17 19:46	07/20/17 20:18	99-09-2	
4,6-Dinitro-2-methylphenol	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	534-52-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: SC-25 **Lab ID: 7024609005** Collected: 07/17/17 16:02 Received: 07/19/17 10:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
4-Bromophenylphenyl ether	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	101-55-3	
4-Chloro-3-methylphenol	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	59-50-7	
4-Chloroaniline	<336	ug/kg	336	1	07/19/17 19:46	07/20/17 20:18	106-47-8	
4-Chlorophenylphenyl ether	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	7005-72-3	
4-Nitroaniline	<336	ug/kg	336	1	07/19/17 19:46	07/20/17 20:18	100-01-6	
4-Nitrophenol	<682	ug/kg	682	1	07/19/17 19:46	07/20/17 20:18	100-02-7	
Acenaphthene	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	83-32-9	
Acenaphthylene	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	208-96-8	
Anthracene	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	120-12-7	
Benzo(a)anthracene	146	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	56-55-3	
Benzo(a)pyrene	145	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	50-32-8	
Benzo(b)fluoranthene	186	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	205-99-2	
Benzo(g,h,i)perylene	116	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	191-24-2	
Benzo(k)fluoranthene	81.0	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	207-08-9	
Butylbenzylphthalate	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	85-68-7	L2
Carbazole	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	86-74-8	
Chrysene	151	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	218-01-9	
Di-n-butylphthalate	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	84-74-2	
Di-n-octylphthalate	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	117-84-0	
Dibenz(a,h)anthracene	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	53-70-3	
Dibenzofuran	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	132-64-9	
Diethylphthalate	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	84-66-2	
Dimethylphthalate	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	131-11-3	
Fluoranthene	333	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	206-44-0	
Fluorene	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	86-73-7	
Hexachloro-1,3-butadiene	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	87-68-3	
Hexachlorobenzene	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	118-74-1	
Hexachlorocyclopentadiene	<336	ug/kg	336	1	07/19/17 19:46	07/20/17 20:18	77-47-4	CC
Hexachloroethane	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	67-72-1	
Indeno(1,2,3-cd)pyrene	117	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	193-39-5	
Isophorone	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	78-59-1	
N-Nitroso-di-n-propylamine	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	621-64-7	
N-Nitrosodiphenylamine	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	86-30-6	
Naphthalene	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	91-20-3	
Nitrobenzene	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	98-95-3	
Pentachlorophenol	<682	ug/kg	682	1	07/19/17 19:46	07/20/17 20:18	87-86-5	
Phenanthrene	166	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	85-01-8	
Phenol	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	108-95-2	
Pyrene	267	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	129-00-0	
bis(2-Chloroethoxy)methane	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	111-91-1	
bis(2-Chloroethyl) ether	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	111-44-4	
bis(2-Ethylhexyl)phthalate	<68.2	ug/kg	68.2	1	07/19/17 19:46	07/20/17 20:18	117-81-7	L2
Surrogates								
Nitrobenzene-d5 (S)	53	%	23-120	1	07/19/17 19:46	07/20/17 20:18	4165-60-0	
2-Fluorobiphenyl (S)	58	%	30-115	1	07/19/17 19:46	07/20/17 20:18	321-60-8	
p-Terphenyl-d14 (S)	85	%	18-137	1	07/19/17 19:46	07/20/17 20:18	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: SC-25 **Lab ID: 7024609005** Collected: 07/17/17 16:02 Received: 07/19/17 10:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Surrogates								
Phenol-d5 (S)	56	%	24-113	1	07/19/17 19:46	07/20/17 20:18	4165-62-2	
2-Fluorophenol (S)	52	%	25-121	1	07/19/17 19:46	07/20/17 20:18	367-12-4	
2,4,6-Tribromophenol (S)	86	%	19-122	1	07/19/17 19:46	07/20/17 20:18	118-79-6	CC
2-Chlorophenol-d4 (S)	54	%	20-130	1	07/19/17 19:46	07/20/17 20:18	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	45	%	20-130	1	07/19/17 19:46	07/20/17 20:18	2199-69-1	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	2.0	%	0.10	1		07/19/17 13:30		
9014 Cyanide, Total Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
Cyanide	<0.51	mg/kg	0.51	1	07/27/17 09:29	07/27/17 16:43	57-12-5	

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: SC-26 Lab ID: 7024609006 Collected: 07/17/17 16:05 Received: 07/19/17 10:00 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
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3545A								
Aldrin	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 11:14	309-00-2	
alpha-BHC	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 11:14	319-84-6	
beta-BHC	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 11:14	319-85-7	
delta-BHC	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 11:14	319-86-8	
gamma-BHC (Lindane)	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 11:14	58-89-9	
alpha-Chlordane	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 11:14	5103-71-9	
gamma-Chlordane	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 11:14	5103-74-2	
4,4'-DDD	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 11:14	72-54-8	
4,4'-DDE	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 11:14	72-55-9	
4,4'-DDT	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 11:14	50-29-3	
Dieldrin	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 11:14	60-57-1	
Endosulfan I	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 11:14	959-98-8	
Endosulfan II	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 11:14	33213-65-9	
Endosulfan sulfate	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 11:14	1031-07-8	
Endrin	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 11:14	72-20-8	
Endrin aldehyde	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 11:14	7421-93-4	
Endrin ketone	<3.3	ug/kg	3.3	1	07/19/17 23:35	07/27/17 11:14	53494-70-5	
Heptachlor	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 11:14	76-44-8	
Heptachlor epoxide	<1.7	ug/kg	1.7	1	07/19/17 23:35	07/27/17 11:14	1024-57-3	
Methoxychlor	<17.1	ug/kg	17.1	1	07/19/17 23:35	07/27/17 11:14	72-43-5	
Toxaphene	<171	ug/kg	171	1	07/19/17 23:35	07/27/17 11:14	8001-35-2	IL
Surrogates								
Tetrachloro-m-xylene (S)	91	%	30-150	1	07/19/17 23:35	07/27/17 11:14	877-09-8	
Decachlorobiphenyl (S)	99	%	30-150	1	07/19/17 23:35	07/27/17 11:14	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3545A								
PCB-1016 (Aroclor 1016)	<33.2	ug/kg	33.2	1	07/19/17 23:35	07/26/17 02:39	12674-11-2	
PCB-1221 (Aroclor 1221)	<67.4	ug/kg	67.4	1	07/19/17 23:35	07/26/17 02:39	11104-28-2	
PCB-1232 (Aroclor 1232)	<33.2	ug/kg	33.2	1	07/19/17 23:35	07/26/17 02:39	11141-16-5	
PCB-1242 (Aroclor 1242)	<33.2	ug/kg	33.2	1	07/19/17 23:35	07/26/17 02:39	53469-21-9	
PCB-1248 (Aroclor 1248)	<33.2	ug/kg	33.2	1	07/19/17 23:35	07/26/17 02:39	12672-29-6	
PCB-1254 (Aroclor 1254)	<33.2	ug/kg	33.2	1	07/19/17 23:35	07/26/17 02:39	11097-69-1	
PCB-1260 (Aroclor 1260)	<33.2	ug/kg	33.2	1	07/19/17 23:35	07/26/17 02:39	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	78	%	30-150	1	07/19/17 23:35	07/26/17 02:39	877-09-8	
Decachlorobiphenyl (S)	95	%	30-150	1	07/19/17 23:35	07/26/17 02:39	2051-24-3	
8151 Chlorinated Herbicides Analytical Method: EPA 8151A Preparation Method: EPA 8151A								
2,4-D	<10.0	ug/kg	10.0	1	07/20/17 09:00	07/23/17 18:01	94-75-7	
Dicamba	<3.0	ug/kg	3.0	1	07/20/17 09:00	07/23/17 18:01	1918-00-9	
2,4,5-T	<5.0	ug/kg	5.0	1	07/20/17 09:00	07/23/17 18:01	93-76-5	
2,4,5-TP (Silvex)	<5.0	ug/kg	5.0	1	07/20/17 09:00	07/23/17 18:01	93-72-1	
Surrogates								
2,4-DCAA (S)	46	%	29-136	1	07/20/17 09:00	07/23/17 18:01	19719-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: SC-26 **Lab ID: 7024609006** Collected: 07/17/17 16:05 Received: 07/19/17 10:00 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
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	4600	mg/kg	10.2	1	07/20/17 12:23	07/21/17 19:18	7429-90-5	
Antimony	<3.1	mg/kg	3.1	1	07/20/17 12:23	07/21/17 19:18	7440-36-0	
Arsenic	4.2	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:18	7440-38-2	
Barium	23.1	mg/kg	10.2	1	07/20/17 12:23	07/21/17 19:18	7440-39-3	
Beryllium	<0.25	mg/kg	0.25	1	07/20/17 12:23	07/21/17 19:18	7440-41-7	
Cadmium	0.15	mg/kg	0.13	1	07/20/17 12:23	07/21/17 19:18	7440-43-9	
Calcium	17600	mg/kg	50.9	1	07/20/17 12:23	07/21/17 19:18	7440-70-2	
Chromium	1.8	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:18	7440-47-3	
Cobalt	5.0	mg/kg	2.5	1	07/20/17 12:23	07/21/17 19:18	7440-48-4	
Copper	14.3	mg/kg	1.3	1	07/20/17 12:23	07/21/17 19:18	7440-50-8	
Iron	12500	mg/kg	5.1	1	07/20/17 12:23	07/21/17 19:18	7439-89-6	
Lead	6.0	mg/kg	0.25	1	07/20/17 12:23	07/21/17 19:18	7439-92-1	
Magnesium	5520	mg/kg	50.9	1	07/20/17 12:23	07/21/17 19:18	7439-95-4	
Manganese	240	mg/kg	0.76	1	07/20/17 12:23	07/21/17 19:18	7439-96-5	
Nickel	11.0	mg/kg	2.0	1	07/20/17 12:23	07/21/17 19:18	7440-02-0	
Potassium	700	mg/kg	254	1	07/20/17 12:23	07/21/17 19:18	7440-09-7	
Selenium	<0.51	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:18	7782-49-2	
Silver	1.4	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:18	7440-22-4	
Sodium	<254	mg/kg	254	1	07/20/17 12:23	07/21/17 19:18	7440-23-5	
Thallium	<0.51	mg/kg	0.51	1	07/20/17 12:23	07/21/17 19:18	7440-28-0	
Vanadium	9.3	mg/kg	2.5	1	07/20/17 12:23	07/21/17 19:18	7440-62-2	
Zinc	35.6	mg/kg	1.0	1	07/20/17 12:23	07/21/17 19:18	7440-66-6	

7471 Mercury

Analytical Method: EPA 7471B Preparation Method: EPA 7471B

Mercury	<0.038	mg/kg	0.038	1	07/20/17 13:27	07/24/17 16:28	7439-97-6	
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

2,2'-Oxybis(1-chloropropane)	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	108-60-1	
2,4,5-Trichlorophenol	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	95-95-4	
2,4,6-Trichlorophenol	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	88-06-2	
2,4-Dichlorophenol	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	120-83-2	
2,4-Dimethylphenol	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	105-67-9	
2,4-Dinitrophenol	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	51-28-5	IH
2,4-Dinitrotoluene	<333	ug/kg	333	1	07/19/17 19:46	07/20/17 20:47	121-14-2	
2,6-Dinitrotoluene	<333	ug/kg	333	1	07/19/17 19:46	07/20/17 20:47	606-20-2	
2-Chloronaphthalene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	91-58-7	
2-Chlorophenol	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	95-57-8	
2-Methylnaphthalene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	91-57-6	
2-Methylphenol(o-Cresol)	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	95-48-7	
2-Nitroaniline	<333	ug/kg	333	1	07/19/17 19:46	07/20/17 20:47	88-74-4	L2
2-Nitrophenol	<333	ug/kg	333	1	07/19/17 19:46	07/20/17 20:47	88-75-5	
3&4-Methylphenol(m&p Cresol)	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47		
3,3'-Dichlorobenzidine	<333	ug/kg	333	1	07/19/17 19:46	07/20/17 20:47	91-94-1	
3-Nitroaniline	<333	ug/kg	333	1	07/19/17 19:46	07/20/17 20:47	99-09-2	
4,6-Dinitro-2-methylphenol	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	534-52-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: SC-26 **Lab ID: 7024609006** Collected: 07/17/17 16:05 Received: 07/19/17 10:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
4-Bromophenylphenyl ether	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	101-55-3	
4-Chloro-3-methylphenol	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	59-50-7	
4-Chloroaniline	<333	ug/kg	333	1	07/19/17 19:46	07/20/17 20:47	106-47-8	
4-Chlorophenylphenyl ether	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	7005-72-3	
4-Nitroaniline	<333	ug/kg	333	1	07/19/17 19:46	07/20/17 20:47	100-01-6	
4-Nitrophenol	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	100-02-7	
Acenaphthene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	83-32-9	
Acenaphthylene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	208-96-8	
Anthracene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	120-12-7	
Benzo(a)anthracene	86.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	56-55-3	
Benzo(a)pyrene	84.8	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	50-32-8	
Benzo(b)fluoranthene	106	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	205-99-2	
Benzo(g,h,i)perylene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	191-24-2	
Benzo(k)fluoranthene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	207-08-9	
Butylbenzylphthalate	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	85-68-7	L2
Carbazole	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	86-74-8	
Chrysene	84.2	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	218-01-9	
Di-n-butylphthalate	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	84-74-2	
Di-n-octylphthalate	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	117-84-0	
Dibenz(a,h)anthracene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	53-70-3	
Dibenzofuran	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	132-64-9	
Diethylphthalate	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	84-66-2	
Dimethylphthalate	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	131-11-3	
Fluoranthene	153	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	206-44-0	
Fluorene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	86-73-7	
Hexachloro-1,3-butadiene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	87-68-3	
Hexachlorobenzene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	118-74-1	
Hexachlorocyclopentadiene	<333	ug/kg	333	1	07/19/17 19:46	07/20/17 20:47	77-47-4	CC
Hexachloroethane	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	67-72-1	
Indeno(1,2,3-cd)pyrene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	193-39-5	
Isophorone	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	78-59-1	
N-Nitroso-di-n-propylamine	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	621-64-7	
N-Nitrosodiphenylamine	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	86-30-6	
Naphthalene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	91-20-3	
Nitrobenzene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	98-95-3	
Pentachlorophenol	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	87-86-5	
Phenanthrene	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	85-01-8	
Phenol	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	108-95-2	
Pyrene	130	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	129-00-0	
bis(2-Chloroethoxy)methane	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	111-91-1	
bis(2-Chloroethyl) ether	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	111-44-4	
bis(2-Ethylhexyl)phthalate	<67.6	ug/kg	67.6	1	07/19/17 19:46	07/20/17 20:47	117-81-7	L2
Surrogates								
Nitrobenzene-d5 (S)	55	%	23-120	1	07/19/17 19:46	07/20/17 20:47	4165-60-0	
2-Fluorobiphenyl (S)	59	%	30-115	1	07/19/17 19:46	07/20/17 20:47	321-60-8	
p-Terphenyl-d14 (S)	89	%	18-137	1	07/19/17 19:46	07/20/17 20:47	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 7/17

Pace Project No.: 7024609

Sample: SC-26 **Lab ID: 7024609006** Collected: 07/17/17 16:05 Received: 07/19/17 10:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Surrogates								
Phenol-d5 (S)	58	%	24-113	1	07/19/17 19:46	07/20/17 20:47	4165-62-2	
2-Fluorophenol (S)	55	%	25-121	1	07/19/17 19:46	07/20/17 20:47	367-12-4	
2,4,6-Tribromophenol (S)	83	%	19-122	1	07/19/17 19:46	07/20/17 20:47	118-79-6	CC
2-Chlorophenol-d4 (S)	56	%	20-130	1	07/19/17 19:46	07/20/17 20:47	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	45	%	20-130	1	07/19/17 19:46	07/20/17 20:47	2199-69-1	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	0.96	%	0.10	1		07/19/17 13:30		
9014 Cyanide, Total Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
Cyanide	<0.50	mg/kg	0.50	1	07/27/17 09:29	07/27/17 16:44	57-12-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

QC Batch: 32318

Analysis Method: EPA 7471B

QC Batch Method: EPA 7471B

Analysis Description: 7471 Mercury

Associated Lab Samples: 7024609005, 7024609006

METHOD BLANK: 149518

Matrix: Solid

Associated Lab Samples: 7024609005, 7024609006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.033	0.033	07/24/17 16:10	

LABORATORY CONTROL SAMPLE: 149519

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.17	0.18	107	80-120	

MATRIX SPIKE SAMPLE: 149520

Parameter	Units	7024604005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	<0.037	.2	0.18	85	80-120	

SAMPLE DUPLICATE: 149521

Parameter	Units	7024604005 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	<0.037	<0.034		

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

QC Batch:	32314	Analysis Method:	EPA 6010C
QC Batch Method:	EPA 3050B	Analysis Description:	6010 MET
Associated Lab Samples: 7024609005, 7024609006			

METHOD BLANK: 149502 Matrix: Solid

Associated Lab Samples: 7024609005, 7024609006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	<10.0	10.0	07/21/17 17:46	
Antimony	mg/kg	<3.0	3.0	07/21/17 17:46	
Arsenic	mg/kg	<0.50	0.50	07/21/17 17:46	
Barium	mg/kg	<10.0	10.0	07/21/17 17:46	
Beryllium	mg/kg	<0.25	0.25	07/21/17 17:46	
Cadmium	mg/kg	<0.12	0.12	07/21/17 17:46	
Calcium	mg/kg	<50.0	50.0	07/21/17 17:46	
Chromium	mg/kg	<0.50	0.50	07/21/17 17:46	
Cobalt	mg/kg	<2.5	2.5	07/21/17 17:46	
Copper	mg/kg	<1.2	1.2	07/21/17 17:46	
Iron	mg/kg	<5.0	5.0	07/21/17 17:46	
Lead	mg/kg	<0.25	0.25	07/21/17 17:46	
Magnesium	mg/kg	<50.0	50.0	07/21/17 17:46	
Manganese	mg/kg	<0.75	0.75	07/21/17 17:46	
Nickel	mg/kg	<2.0	2.0	07/21/17 17:46	
Potassium	mg/kg	<250	250	07/21/17 17:46	
Selenium	mg/kg	<0.50	0.50	07/21/17 17:46	
Silver	mg/kg	<0.50	0.50	07/21/17 17:46	
Sodium	mg/kg	<250	250	07/21/17 17:46	
Thallium	mg/kg	<0.50	0.50	07/21/17 17:46	
Vanadium	mg/kg	<2.5	2.5	07/21/17 17:46	
Zinc	mg/kg	<1.0	1.0	07/21/17 17:46	

LABORATORY CONTROL SAMPLE: 149503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	8080	6560	81	80-120	
Antimony	mg/kg	123	81.5	66	1-200	
Arsenic	mg/kg	145	144	99	80-120	
Barium	mg/kg	209	208	99	80-120	
Beryllium	mg/kg	97.3	100	103	80-120	
Cadmium	mg/kg	87.6	85.0	97	80-120	
Calcium	mg/kg	5690	5620	99	80-120	
Chromium	mg/kg	143	133	93	80-120	
Cobalt	mg/kg	154	154	100	80-120	
Copper	mg/kg	173	166	96	80-120	
Iron	mg/kg	15000	13800	92	46.8-154	
Lead	mg/kg	146	147	101	80-120	
Magnesium	mg/kg	2640	2390	90	80-120	
Manganese	mg/kg	309	292	95	80-120	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

LABORATORY CONTROL SAMPLE: 149503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	129	128	99	80-120	
Potassium	mg/kg	2400	2410	101	71.6-128	
Selenium	mg/kg	178	173	97	80-120	
Silver	mg/kg	31.3	33.8	108	80-120	
Sodium	mg/kg	869	694	80	73-127	
Thallium	mg/kg	141	141	100	80-120	
Vanadium	mg/kg	115	109	95	80-120	
Zinc	mg/kg	194	188	97	80-120	

MATRIX SPIKE SAMPLE: 149505

Parameter	Units	7023951001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	3650	918	5740	228	75-125	M1
Antimony	mg/kg	<11.1	137	129	93	75-125	
Arsenic	mg/kg	3.7	91.8	92.1	96	75-125	
Barium	mg/kg	250	91.8	351	110	75-125	
Beryllium	mg/kg	<0.93	9.2	9.4	103	75-125	
Cadmium	mg/kg	1.3	9.2	10.4	100	75-125	
Calcium	mg/kg	16200	4590	20600	96	75-125	
Chromium	mg/kg	24.6	45.9	75.4	111	75-125	
Cobalt	mg/kg	<9.3	91.8	98.1	103	75-125	
Copper	mg/kg	702	45.9	757	119	75-125	
Iron	mg/kg	10800	366	11200	125	75-125	
Lead	mg/kg	56.1	91.8	148	100	75-125	
Magnesium	mg/kg	3520	4590	8210	102	75-125	
Manganese	mg/kg	1050	45.9	1080	80	75-125	
Nickel	mg/kg	16.2	45.9	65.6	108	75-125	
Potassium	mg/kg	2710	9180	11600	97	75-125	
Selenium	mg/kg	7.2	137	145	100	75-125	
Silver	mg/kg	3.8	45.9	47.5	95	75-125	
Sodium	mg/kg	<927	9180	10200	102	75-125	
Thallium	mg/kg	<1.9	137	137	99	75-125	
Vanadium	mg/kg	<9.3	91.8	101	104	75-125	
Zinc	mg/kg	919	183	1080	86	75-125	

SAMPLE DUPLICATE: 149504

Parameter	Units	7023951001 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	3650	4580	23	D6
Antimony	mg/kg	<11.1	<11.0		
Arsenic	mg/kg	3.7	4.1	10	
Barium	mg/kg	250	248	1	
Beryllium	mg/kg	<0.93	<0.92		
Cadmium	mg/kg	1.3	1.3	0	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

SAMPLE DUPLICATE: 149504

Parameter	Units	7023951001 Result	Dup Result	RPD	Qualifiers
Calcium	mg/kg	16200	16200	0	
Chromium	mg/kg	24.6	21.8	12	
Cobalt	mg/kg	<9.3	<9.2		
Copper	mg/kg	702	701	0	
Iron	mg/kg	10800	10700	1	
Lead	mg/kg	56.1	58.0	3	
Magnesium	mg/kg	3520	3480	1	
Manganese	mg/kg	1050	1040	0	
Nickel	mg/kg	16.2	15.7	4	
Potassium	mg/kg	2710	2850	5	
Selenium	mg/kg	7.2	7.0	2	
Silver	mg/kg	3.8	11.0	97	D6
Sodium	mg/kg	<927	<918		
Thallium	mg/kg	<1.9	<1.8		
Vanadium	mg/kg	<9.3	<9.2		
Zinc	mg/kg	919	913	1	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

QC Batch:	32739	Analysis Method:	EPA 8260C
QC Batch Method:	EPA 5035A-L	Analysis Description:	8260 MSV 5035A-L Low Level
Associated Lab Samples:	7024609001, 7024609002, 7024609003, 7024609004		

METHOD BLANK:	151546	Matrix:	Solid
Associated Lab Samples:	7024609001, 7024609002, 7024609003, 7024609004		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,1,1-Trichloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,1,2,2-Tetrachloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,1,2-Trichloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,1-Dichloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,1-Dichloroethene	ug/kg	<1.9	1.9	07/21/17 10:00	CC
1,1-Dichloropropene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2,3-Trichlorobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2,3-Trichloropropane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2,4-Trichlorobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2,4-Trimethylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2-Dibromo-3-chloropropane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2-Dibromoethane (EDB)	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2-Dichlorobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2-Dichloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,2-Dichloropropane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,3,5-Trimethylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,3-Dichlorobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
1,3-Dichloropropane	ug/kg	<1.9	1.9	07/21/17 10:00	
1,4-Dichlorobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
2,2-Dichloropropane	ug/kg	<1.9	1.9	07/21/17 10:00	
2-Butanone (MEK)	ug/kg	<1.9	1.9	07/21/17 10:00	
2-Chloroethylvinyl ether	ug/kg	<1.9	1.9	07/21/17 10:00	CC
2-Chlorotoluene	ug/kg	<1.9	1.9	07/21/17 10:00	
2-Hexanone	ug/kg	<1.9	1.9	07/21/17 10:00	
4-Chlorotoluene	ug/kg	<1.9	1.9	07/21/17 10:00	
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.9	1.9	07/21/17 10:00	
Acetone	ug/kg	<1.9	1.9	07/21/17 10:00	
Benzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Bromobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Bromochloromethane	ug/kg	<1.9	1.9	07/21/17 10:00	
Bromodichloromethane	ug/kg	<1.9	1.9	07/21/17 10:00	
Bromoform	ug/kg	<1.9	1.9	07/21/17 10:00	
Bromomethane	ug/kg	<1.9	1.9	07/21/17 10:00	
Carbon disulfide	ug/kg	<1.9	1.9	07/21/17 10:00	CC
Carbon tetrachloride	ug/kg	<1.9	1.9	07/21/17 10:00	
Chlorobenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Chloroethane	ug/kg	<1.9	1.9	07/21/17 10:00	CC
Chloroform	ug/kg	<1.9	1.9	07/21/17 10:00	
Chloromethane	ug/kg	<1.9	1.9	07/21/17 10:00	
cis-1,2-Dichloroethene	ug/kg	<1.9	1.9	07/21/17 10:00	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

METHOD BLANK: 151546

Matrix: Solid

Associated Lab Samples: 7024609001, 7024609002, 7024609003, 7024609004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	<1.9	1.9	07/21/17 10:00	
Dibromochloromethane	ug/kg	<1.9	1.9	07/21/17 10:00	
Dibromomethane	ug/kg	<1.9	1.9	07/21/17 10:00	
Dichlorodifluoromethane	ug/kg	<1.9	1.9	07/21/17 10:00	CC
Ethylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Hexachloro-1,3-butadiene	ug/kg	<1.9	1.9	07/21/17 10:00	
Isopropylbenzene (Cumene)	ug/kg	<1.9	1.9	07/21/17 10:00	
m&p-Xylene	ug/kg	<3.8	3.8	07/21/17 10:00	
Methyl-tert-butyl ether	ug/kg	<1.9	1.9	07/21/17 10:00	
Methylene Chloride	ug/kg	<1.9	1.9	07/21/17 10:00	CC
n-Butylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
n-Propylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Naphthalene	ug/kg	<1.9	1.9	07/21/17 10:00	
o-Xylene	ug/kg	<1.9	1.9	07/21/17 10:00	
p-Isopropyltoluene	ug/kg	<1.9	1.9	07/21/17 10:00	
sec-Butylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Styrene	ug/kg	<1.9	1.9	07/21/17 10:00	
tert-Butylbenzene	ug/kg	<1.9	1.9	07/21/17 10:00	
Tetrachloroethene	ug/kg	<1.9	1.9	07/21/17 10:00	
Toluene	ug/kg	<1.9	1.9	07/21/17 10:00	
trans-1,2-Dichloroethene	ug/kg	<1.9	1.9	07/21/17 10:00	CC
trans-1,3-Dichloropropene	ug/kg	<1.9	1.9	07/21/17 10:00	
Trichloroethene	ug/kg	<1.9	1.9	07/21/17 10:00	
Trichlorofluoromethane	ug/kg	<1.9	1.9	07/21/17 10:00	
Vinyl acetate	ug/kg	<1.9	1.9	07/21/17 10:00	
Vinyl chloride	ug/kg	<1.9	1.9	07/21/17 10:00	CC
Xylene (Total)	ug/kg	<3.8	3.8	07/21/17 10:00	
1,2-Dichloroethane-d4 (S)	%	117	33-150	07/21/17 10:00	
4-Bromofluorobenzene (S)	%	103	34-145	07/21/17 10:00	
Toluene-d8 (S)	%	109	43-157	07/21/17 10:00	

LABORATORY CONTROL SAMPLE: 151547

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	48.2	55.4	115	74-140	
1,1,1-Trichloroethane	ug/kg	48.2	48.7	101	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	48.2	46.9	97	69-132	CC
1,1,2-Trichloroethane	ug/kg	48.2	42.7	89	73-135	
1,1-Dichloroethane	ug/kg	48.2	40.9	85	53-160	
1,1-Dichloroethene	ug/kg	48.2	31.0	64	47-152	CC
1,1-Dichloropropene	ug/kg	48.2	41.9	87	56-130	
1,2,3-Trichlorobenzene	ug/kg	48.2	49.5	103	48-144	
1,2,3-Trichloropropane	ug/kg	48.2	54.1	112	67-129	
1,2,4-Trichlorobenzene	ug/kg	48.2	50.9	106	52-140	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

LABORATORY CONTROL SAMPLE: 151547

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	48.2	51.8	108	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	48.2	59.7	124	57-140	
1,2-Dibromoethane (EDB)	ug/kg	48.2	50.6	105	76-138	
1,2-Dichlorobenzene	ug/kg	48.2	52.8	110	67-125	
1,2-Dichloroethane	ug/kg	48.2	53.4	111	65-143	
1,2-Dichloropropane	ug/kg	48.2	46.0	96	72-131	
1,3,5-Trimethylbenzene	ug/kg	48.2	49.7	103	49-134	
1,3-Dichlorobenzene	ug/kg	48.2	52.7	109	64-124	
1,3-Dichloropropane	ug/kg	48.2	49.1	102	73-130	
1,4-Dichlorobenzene	ug/kg	48.2	50.5	105	61-127	
2,2-Dichloropropane	ug/kg	48.2	61.2	127	55-140	CC
2-Butanone (MEK)	ug/kg	48.2	51.5	107	52-164	
2-Chloroethylvinyl ether	ug/kg	48.2	31.5	65	43-183	CC
2-Chlorotoluene	ug/kg	48.2	48.8	101	62-125	
2-Hexanone	ug/kg	48.2	55.4	115	66-151	
4-Chlorotoluene	ug/kg	48.2	46.6	97	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	48.2	64.3	133	63-154	
Acetone	ug/kg	48.2	44.0	91	23-196	
Benzene	ug/kg	48.2	43.1	90	65-129	
Bromobenzene	ug/kg	48.2	49.4	102	63-130	
Bromochloromethane	ug/kg	48.2	45.6	95	78-136	
Bromodichloromethane	ug/kg	48.2	53.3	111	74-141	
Bromoform	ug/kg	48.2	64.8	135	59-136	CC
Bromomethane	ug/kg	48.2	38.1	79	32-182	
Carbon disulfide	ug/kg	48.2	32.5	67	26-160	CC
Carbon tetrachloride	ug/kg	48.2	52.5	109	57-135	CC
Chlorobenzene	ug/kg	48.2	51.5	107	62-136	
Chloroethane	ug/kg	48.2	24.0	50	50-159	CC
Chloroform	ug/kg	48.2	48.3	100	71-135	
Chloromethane	ug/kg	48.2	41.6	86	44-139	
cis-1,2-Dichloroethene	ug/kg	48.2	40.4	84	75-130	
cis-1,3-Dichloropropene	ug/kg	48.2	47.0	98	74-140	
Dibromochloromethane	ug/kg	48.2	65.5	136	71-133	CC,L1
Dibromomethane	ug/kg	48.2	46.1	96	75-136	
Dichlorodifluoromethane	ug/kg	48.2	38.7	80	10-155	CC
Ethylbenzene	ug/kg	48.2	50.6	105	59-135	
Hexachloro-1,3-butadiene	ug/kg	48.2	56.6	118	19-152	
Isopropylbenzene (Cumene)	ug/kg	48.2	50.6	105	56-129	
m&p-Xylene	ug/kg	96.3	101	105	69-133	
Methyl-tert-butyl ether	ug/kg	48.2	54.8	114	25-171	
Methylene Chloride	ug/kg	48.2	33.8	70	50-164	CC
n-Butylbenzene	ug/kg	48.2	46.7	97	54-121	
n-Propylbenzene	ug/kg	48.2	46.3	96	56-125	
Naphthalene	ug/kg	48.2	48.7	101	55-145	
o-Xylene	ug/kg	48.2	51.5	107	71-135	
p-Isopropyltoluene	ug/kg	48.2	49.9	104	54-126	
sec-Butylbenzene	ug/kg	48.2	50.1	104	50-126	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

LABORATORY CONTROL SAMPLE: 151547

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/kg	48.2	52.8	110	73-133	
tert-Butylbenzene	ug/kg	48.2	52.4	109	56-127	
Tetrachloroethene	ug/kg	48.2	47.3	98	10-176	
Toluene	ug/kg	48.2	42.1	87	66-131	
trans-1,2-Dichloroethene	ug/kg	48.2	34.9	72	53-157	CC
trans-1,3-Dichloropropene	ug/kg	48.2	45.4	94	66-144	
Trichloroethene	ug/kg	48.2	49.2	102	62-130	
Trichlorofluoromethane	ug/kg	48.2	34.3	71	38-166	
Vinyl acetate	ug/kg	48.2	56.5	117	10-155	
Vinyl chloride	ug/kg	48.2	30.1	62	45-137	CC
Xylene (Total)	ug/kg	145	153	106	62-135	
1,2-Dichloroethane-d4 (S)	%			116	33-150	
4-Bromofluorobenzene (S)	%			102	34-145	
Toluene-d8 (S)	%			104	43-157	

MATRIX SPIKE SAMPLE: 151549

Parameter	Units	7024609004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.9	46	42.0	91	74-140	CC
1,1,1-Trichloroethane	ug/kg	<1.9	46	37.3	81	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	<1.9	46	35.6	78	69-132	
1,1,2-Trichloroethane	ug/kg	<1.9	46	36.1	79	73-135	
1,1-Dichloroethane	ug/kg	<1.9	46	32.8	71	53-160	
1,1-Dichloroethene	ug/kg	<1.9	46	28.1	61	47-152	CC
1,1-Dichloropropene	ug/kg	<1.9	46	31.3	68	56-130	
1,2,3-Trichlorobenzene	ug/kg	<1.9	46	29.1	63	48-144	
1,2,3-Trichloropropane	ug/kg	<1.9	46	40.1	87	67-129	
1,2,4-Trichlorobenzene	ug/kg	<1.9	46	29.2	63	52-140	
1,2,4-Trimethylbenzene	ug/kg	<1.9	46	36.3	79	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	<1.9	46	38.6	84	57-140	
1,2-Dibromoethane (EDB)	ug/kg	<1.9	46	38.4	83	76-138	
1,2-Dichlorobenzene	ug/kg	<1.9	46	34.8	76	67-125	
1,2-Dichloroethane	ug/kg	<1.9	46	36.6	80	65-143	
1,2-Dichloropropane	ug/kg	<1.9	46	36.8	80	72-131	
1,3,5-Trimethylbenzene	ug/kg	<1.9	46	37.2	81	49-134	
1,3-Dichlorobenzene	ug/kg	<1.9	46	34.4	75	64-124	
1,3-Dichloropropane	ug/kg	<1.9	46	36.7	80	73-130	
1,4-Dichlorobenzene	ug/kg	<1.9	46	31.8	69	61-127	
2,2-Dichloropropane	ug/kg	<1.9	46	41.1	89	55-140	CC
2-Butanone (MEK)	ug/kg	<1.9	46	54.8	119	52-164	
2-Chloroethylvinyl ether	ug/kg	<1.9	46	21.9	48	43-183	CC
2-Chlorotoluene	ug/kg	<1.9	46	34.2	74	62-125	
2-Hexanone	ug/kg	<1.9	46	50.7	110	66-151	
4-Chlorotoluene	ug/kg	<1.9	46	30.7	67	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.9	46	49.7	108	63-154	

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QUALITY CONTROL DATA

Project: ALCO 7/17
Pace Project No.: 7024609

MATRIX SPIKE SAMPLE:		151549					
Parameter	Units	7024609004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/kg	<1.9	46	55.1	120	23-196	
Benzene	ug/kg	<1.9	46	34.4	75	65-129	
Bromobenzene	ug/kg	<1.9	46	36.0	78	63-130	
Bromochloromethane	ug/kg	<1.9	46	38.2	83	78-136	
Bromodichloromethane	ug/kg	<1.9	46	36.7	80	74-141	
Bromoform	ug/kg	<1.9	46	47.7	104	59-136	CC
Bromomethane	ug/kg	<1.9	46	26.5	58	32-182	
Carbon disulfide	ug/kg	<1.9	46	26.5	58	26-160	CC
Carbon tetrachloride	ug/kg	<1.9	46	33.5	73	57-135	CC
Chlorobenzene	ug/kg	<1.9	46	39.2	85	62-136	
Chloroethane	ug/kg	<1.9	46	21.6	47	50-159	CC,M1
Chloroform	ug/kg	<1.9	46	35.4	77	71-135	
Chloromethane	ug/kg	<1.9	46	36.7	80	44-139	
cis-1,2-Dichloroethene	ug/kg	<1.9	46	29.1	63	75-130	M1
cis-1,3-Dichloropropene	ug/kg	<1.9	46	32.5	71	74-140	M1
Dibromochloromethane	ug/kg	<1.9	46	48.3	105	71-133	CC
Dibromomethane	ug/kg	<1.9	46	36.0	78	75-136	
Dichlorodifluoromethane	ug/kg	<1.9	46	36.7	80	10-155	CC
Ethylbenzene	ug/kg	<1.9	46	39.6	86	59-135	
Hexachloro-1,3-butadiene	ug/kg	<1.9	46	37.0	80	19-152	
Isopropylbenzene (Cumene)	ug/kg	<1.9	46	37.6	82	56-129	
m&p-Xylene	ug/kg	<3.8	91.9	78.6	86	69-133	
Methyl-tert-butyl ether	ug/kg	<1.9	46	32.6	71	25-171	
Methylene Chloride	ug/kg	<1.9	46	26.5	58	50-164	CC
n-Butylbenzene	ug/kg	<1.9	46	30.4	66	54-121	
n-Propylbenzene	ug/kg	<1.9	46	32.6	71	56-125	
Naphthalene	ug/kg	<1.9	46	33.1	72	55-145	
o-Xylene	ug/kg	<1.9	46	40.1	87	71-135	
p-Isopropyltoluene	ug/kg	<1.9	46	35.5	77	54-126	
sec-Butylbenzene	ug/kg	<1.9	46	36.6	80	50-126	
Styrene	ug/kg	<1.9	46	37.8	82	73-133	
tert-Butylbenzene	ug/kg	<1.9	46	36.3	79	56-127	
Tetrachloroethene	ug/kg	<1.9	46	64.4	140	10-176	
Toluene	ug/kg	<1.9	46	31.9	69	66-131	
trans-1,2-Dichloroethene	ug/kg	<1.9	46	26.5	58	53-157	CC
trans-1,3-Dichloropropene	ug/kg	<1.9	46	29.9	65	66-144	M1
Trichloroethene	ug/kg	<1.9	46	36.4	79	62-130	
Trichlorofluoromethane	ug/kg	<1.9	46	27.9	61	38-166	
Vinyl acetate	ug/kg	<1.9	46	36.9	80	10-155	
Vinyl chloride	ug/kg	<1.9	46	26.3	57	45-137	CC
Xylene (Total)	ug/kg	<3.8	137	119	86	62-135	
1,2-Dichloroethane-d4 (S)	%				109	33-150	
4-Bromofluorobenzene (S)	%				103	34-145	
Toluene-d8 (S)	%				109	43-157	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

SAMPLE DUPLICATE: 151548

Parameter	Units	7024609001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.9	<1.3		
1,1,1-Trichloroethane	ug/kg	<1.9	<1.3		
1,1,2,2-Tetrachloroethane	ug/kg	<1.9	<1.3		
1,1,2-Trichloroethane	ug/kg	<1.9	<1.3		
1,1-Dichloroethane	ug/kg	<1.9	<1.3		
1,1-Dichloroethene	ug/kg	<1.9	<1.3		CC
1,1-Dichloropropene	ug/kg	<1.9	<1.3		
1,2,3-Trichlorobenzene	ug/kg	<1.9	<1.3		
1,2,3-Trichloropropane	ug/kg	<1.9	<1.3		
1,2,4-Trichlorobenzene	ug/kg	<1.9	<1.3		
1,2,4-Trimethylbenzene	ug/kg	<1.9	<1.3		
1,2-Dibromo-3-chloropropane	ug/kg	<1.9	<1.3		
1,2-Dibromoethane (EDB)	ug/kg	<1.9	<1.3		
1,2-Dichlorobenzene	ug/kg	<1.9	<1.3		
1,2-Dichloroethane	ug/kg	<1.9	<1.3		
1,2-Dichloropropane	ug/kg	<1.9	<1.3		
1,3,5-Trimethylbenzene	ug/kg	<1.9	<1.3		
1,3-Dichlorobenzene	ug/kg	<1.9	<1.3		
1,3-Dichloropropane	ug/kg	<1.9	<1.3		
1,4-Dichlorobenzene	ug/kg	<1.9	<1.3		
2,2-Dichloropropane	ug/kg	<1.9	<1.3		
2-Butanone (MEK)	ug/kg	<1.9	<1.3		
2-Chloroethylvinyl ether	ug/kg	<1.9	<1.3		CC
2-Chlorotoluene	ug/kg	<1.9	<1.3		
2-Hexanone	ug/kg	<1.9	<1.3		
4-Chlorotoluene	ug/kg	<1.9	<1.3		
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.9	<1.3		
Acetone	ug/kg	<1.9	<1.3		
Benzene	ug/kg	<1.9	<1.3		
Bromobenzene	ug/kg	<1.9	<1.3		
Bromochloromethane	ug/kg	<1.9	<1.3		
Bromodichloromethane	ug/kg	<1.9	<1.3		
Bromoform	ug/kg	<1.9	<1.3		
Bromomethane	ug/kg	<1.9	<1.3		
Carbon disulfide	ug/kg	<1.9	<1.3		CC
Carbon tetrachloride	ug/kg	<1.9	<1.3		
Chlorobenzene	ug/kg	<1.9	<1.3		
Chloroethane	ug/kg	<1.9	<1.3		CC
Chloroform	ug/kg	<1.9	<1.3		
Chloromethane	ug/kg	<1.9	<1.3		
cis-1,2-Dichloroethene	ug/kg	<1.9	<1.3		
cis-1,3-Dichloropropene	ug/kg	<1.9	<1.3		
Dibromochloromethane	ug/kg	<1.9	<1.3		
Dibromomethane	ug/kg	<1.9	<1.3		
Dichlorodifluoromethane	ug/kg	<1.9	<1.3		CC
Ethylbenzene	ug/kg	<1.9	<1.3		
Hexachloro-1,3-butadiene	ug/kg	<1.9	<1.3		

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

SAMPLE DUPLICATE: 151548

Parameter	Units	7024609001 Result	Dup Result	RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/kg	<1.9	<1.3		
m&p-Xylene	ug/kg	<3.7	<2.7		
Methyl-tert-butyl ether	ug/kg	<1.9	<1.3		
Methylene Chloride	ug/kg	<1.9	<1.3		CC
n-Butylbenzene	ug/kg	<1.9	<1.3		
n-Propylbenzene	ug/kg	<1.9	<1.3		
Naphthalene	ug/kg	<1.9	<1.3		
o-Xylene	ug/kg	<1.9	<1.3		
p-Isopropyltoluene	ug/kg	<1.9	<1.3		
sec-Butylbenzene	ug/kg	<1.9	<1.3		
Styrene	ug/kg	<1.9	<1.3		
tert-Butylbenzene	ug/kg	<1.9	<1.3		
Tetrachloroethene	ug/kg	<1.9	<1.3		
Toluene	ug/kg	<1.9	<1.3		
trans-1,2-Dichloroethene	ug/kg	<1.9	<1.3		CC
trans-1,3-Dichloropropene	ug/kg	<1.9	<1.3		
Trichloroethene	ug/kg	<1.9	<1.3		
Trichlorofluoromethane	ug/kg	<1.9	<1.3		
Vinyl acetate	ug/kg	<1.9	<1.3		
Vinyl chloride	ug/kg	<1.9	<1.3		CC
Xylene (Total)	ug/kg	<3.7	<2.7		
1,2-Dichloroethane-d4 (S)	%	123	103	51	
4-Bromofluorobenzene (S)	%	102	100	35	
Toluene-d8 (S)	%	101	109	27	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

QC Batch: 32200

Analysis Method: EPA 8081B

QC Batch Method: EPA 3545A

Analysis Description: 8081 GCS Pesticides

Associated Lab Samples: 7024609005, 7024609006

METHOD BLANK: 148972

Matrix: Solid

Associated Lab Samples: 7024609005, 7024609006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<3.3	3.3	07/27/17 09:16	
4,4'-DDE	ug/kg	<3.3	3.3	07/27/17 09:16	
4,4'-DDT	ug/kg	<3.3	3.3	07/27/17 09:16	
Aldrin	ug/kg	<1.7	1.7	07/27/17 09:16	
alpha-BHC	ug/kg	<1.7	1.7	07/27/17 09:16	
alpha-Chlordane	ug/kg	<1.7	1.7	07/27/17 09:16	
beta-BHC	ug/kg	<1.7	1.7	07/27/17 09:16	
delta-BHC	ug/kg	<1.7	1.7	07/27/17 09:16	
Dieldrin	ug/kg	<3.3	3.3	07/27/17 09:16	
Endosulfan I	ug/kg	<1.7	1.7	07/27/17 09:16	
Endosulfan II	ug/kg	<3.3	3.3	07/27/17 09:16	
Endosulfan sulfate	ug/kg	<3.3	3.3	07/27/17 09:16	
Endrin	ug/kg	<3.3	3.3	07/27/17 09:16	
Endrin aldehyde	ug/kg	<3.3	3.3	07/27/17 09:16	
Endrin ketone	ug/kg	<3.3	3.3	07/27/17 09:16	
gamma-BHC (Lindane)	ug/kg	<1.7	1.7	07/27/17 09:16	
gamma-Chlordane	ug/kg	<1.7	1.7	07/27/17 09:16	
Heptachlor	ug/kg	<1.7	1.7	07/27/17 09:16	
Heptachlor epoxide	ug/kg	<1.7	1.7	07/27/17 09:16	
Methoxychlor	ug/kg	<17.0	17.0	07/27/17 09:16	
Toxaphene	ug/kg	<170	170	07/27/17 09:16	
Decachlorobiphenyl (S)	%	68	30-150	07/27/17 09:16	
Tetrachloro-m-xylene (S)	%	62	30-150	07/27/17 09:16	

LABORATORY CONTROL SAMPLE: 148973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	13.3	12.6	95	57-156	
4,4'-DDE	ug/kg	13.3	12.5	94	52-135	
4,4'-DDT	ug/kg	13.3	14.4	108	54-163	
Aldrin	ug/kg	13.3	11.0	82	49-129	
alpha-BHC	ug/kg	13.3	11.2	84	41-135	
alpha-Chlordane	ug/kg	13.3	10.5	79	43-128	
beta-BHC	ug/kg	13.3	14.2	106	42-158	
delta-BHC	ug/kg	13.3	11.7	88	48-142	
Dieldrin	ug/kg	13.3	11.3	85	57-147	
Endosulfan I	ug/kg	13.3	8.1	61	54-145	
Endosulfan II	ug/kg	13.3	10.6	79	61-137	
Endosulfan sulfate	ug/kg	13.3	13.7	103	51-154	
Endrin	ug/kg	13.3	12.8	96	50-160	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

LABORATORY CONTROL SAMPLE: 148973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin aldehyde	ug/kg	13.3	12.1	90	31-159	
Endrin ketone	ug/kg	13.3	12.8	96	43-171	
gamma-BHC (Lindane)	ug/kg	13.3	12.0	90	39-146	
gamma-Chlordane	ug/kg	13.3	11.0	83	43-134	
Heptachlor	ug/kg	13.3	12.1	91	52-142	
Heptachlor epoxide	ug/kg	13.3	10.9	81	49-128	
Methoxychlor	ug/kg	13.3	<17.0	118	41-188	CC
Decachlorobiphenyl (S)	%			92	30-150	
Tetrachloro-m-xylene (S)	%			82	30-150	

LABORATORY CONTROL SAMPLE: 148974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toxaphene	ug/kg	667	486	73	45-146	IL
Decachlorobiphenyl (S)	%			86	30-150	
Tetrachloro-m-xylene (S)	%			74	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148975 148976

Parameter	Units	7024609005 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
4,4'-DDD	ug/kg	<3.4	13.6	13.6	14.3	13.6	106	100	57-156	5		
4,4'-DDE	ug/kg	<3.4	13.6	13.6	11.3	11.7	83	87	52-135	4		
4,4'-DDT	ug/kg	<3.4	13.6	13.6	14.9	15.0	110	111	64-127	1		
Aldrin	ug/kg	<1.7	13.6	13.6	12.4	11.5	91	85	35-147	8		
alpha-BHC	ug/kg	<1.7	13.6	13.6	12.6	11.5	93	85	41-135	10		
alpha-Chlordane	ug/kg	<1.7	13.6	13.6	11.8	11.3	87	84	43-128	4		
beta-BHC	ug/kg	<1.7	13.6	13.6	10.9	11.3	80	83	42-158	4		
delta-BHC	ug/kg	<1.7	13.6	13.6	12.3	11.7	91	87	48-142	5		
Dieldrin	ug/kg	<3.4	13.6	13.6	12.8	11.7	95	86	47-134	9		
Endosulfan I	ug/kg	<1.7	13.6	13.6	8.7	8.4	64	62	54-145	3		
Endosulfan II	ug/kg	<3.4	13.6	13.6	10.8	10.1	80	74	61-137	7		
Endosulfan sulfate	ug/kg	<3.4	13.6	13.6	13.1	11.4	96	84	51-154	13		
Endrin	ug/kg	<3.4	13.6	13.6	13.6	12.5	100	92	37-146	9		
Endrin aldehyde	ug/kg	<3.4	13.6	13.6	14.8	14.1	109	104	31-159	5		
Endrin ketone	ug/kg	<3.4	13.6	13.6	14.6	14.0	108	103	43-171	4		
gamma-BHC (Lindane)	ug/kg	<1.7	13.6	13.6	12.2	11.3	90	83	44-139	8		
gamma-Chlordane	ug/kg	<1.7	13.6	13.6	10.8	10.5	80	78	43-134	2		
Heptachlor	ug/kg	<1.7	13.6	13.6	13.3	15.6	98	116	57-148	16		
Heptachlor epoxide	ug/kg	<1.7	13.6	13.6	11.6	11.2	85	83	49-128	3		
Methoxychlor	ug/kg	<17.3	13.6	13.6	17.8	<17.3	131	108	41-188			
Toxaphene	ug/kg	<173			<173	<173					IL	
Decachlorobiphenyl (S)	%						113	92	30-150			
Tetrachloro-m-xylene (S)	%						87	83	30-150			

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

QC Batch: 32201

Analysis Method: EPA 8082A

QC Batch Method: EPA 3545A

Analysis Description: 8082 GCS PCB

Associated Lab Samples: 7024609005, 7024609006

METHOD BLANK: 148977

Matrix: Solid

Associated Lab Samples: 7024609005, 7024609006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	07/26/17 01:35	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	07/26/17 01:35	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	07/26/17 01:35	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	07/26/17 01:35	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	07/26/17 01:35	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	07/26/17 01:35	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	07/26/17 01:35	
Decachlorobiphenyl (S)	%	71	30-150	07/26/17 01:35	
Tetrachloro-m-xylene (S)	%	66	30-150	07/26/17 01:35	

LABORATORY CONTROL SAMPLE: 148978

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	150	90	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	163	98	45-154	
Decachlorobiphenyl (S)	%			90	30-150	
Tetrachloro-m-xylene (S)	%			84	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148979

148980

Parameter	Units	7024609006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<33.2	168	168	131	154	78	91	28-173	16	
PCB-1221 (Aroclor 1221)	ug/kg	<67.4			<67.3	<67.6					
PCB-1232 (Aroclor 1232)	ug/kg	<33.2			<33.2	<33.3					
PCB-1242 (Aroclor 1242)	ug/kg	<33.2			<33.2	<33.3					
PCB-1248 (Aroclor 1248)	ug/kg	<33.2			<33.2	<33.3					
PCB-1254 (Aroclor 1254)	ug/kg	<33.2			<33.2	<33.3					
PCB-1260 (Aroclor 1260)	ug/kg	<33.2	168	168	163	167	98	99	43-138	2	
Decachlorobiphenyl (S)	%						91	92	30-150		
Tetrachloro-m-xylene (S)	%						79	77	30-150		

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

QC Batch: 32329

Analysis Method: EPA 8151A

QC Batch Method: EPA 8151A

Analysis Description: 8151 GCS Herbicides

Associated Lab Samples: 7024609005, 7024609006

METHOD BLANK: 149568

Matrix: Solid

Associated Lab Samples: 7024609005, 7024609006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/kg	<5.0	5.0	07/23/17 14:34	
2,4,5-TP (Silvex)	ug/kg	<5.0	5.0	07/23/17 14:34	
2,4-D	ug/kg	<9.9	9.9	07/23/17 14:34	
Dicamba	ug/kg	<3.0	3.0	07/23/17 14:34	
2,4-DCAA (S)	%	53	29-136	07/23/17 14:34	

LABORATORY CONTROL SAMPLE: 149569

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/kg	19.8	10.6	53	16-136	
2,4,5-TP (Silvex)	ug/kg	19.8	10.9	55	12-146	
2,4-D	ug/kg	59.5	37.8	63	25-157	
Dicamba	ug/kg	19.8	9.6	48	16-136	
2,4-DCAA (S)	%			60	29-136	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 149570

149571

Parameter	Units	7024604005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-T	ug/kg	<5.0	20.1	20	7.2	8.3	36	41	16-136	13	
2,4,5-TP (Silvex)	ug/kg	<5.0	20.1	20	7.4	9.0	37	45	12-146	20	
2,4-D	ug/kg	<10.0	60.3	60.1	23.2	31.0	38	52	25-157	29	
Dicamba	ug/kg	<3.0	20.1	20	5.9	8.1	29	40	16-136	31	R1
2,4-DCAA (S)	%						41	51	29-136		

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

QC Batch: 32173

Analysis Method: EPA 8270D

QC Batch Method: EPA 3545A

Analysis Description: 8270 Solid MSSV

Associated Lab Samples: 7024609005, 7024609006

METHOD BLANK: 148932

Matrix: Solid

Associated Lab Samples: 7024609005, 7024609006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	07/20/17 16:58	
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	07/20/17 16:58	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	07/20/17 16:58	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	07/20/17 16:58	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	07/20/17 16:58	
2,4-Dinitrophenol	ug/kg	<67.0	67.0	07/20/17 16:58	
2,4-Dinitrotoluene	ug/kg	<330	330	07/20/17 16:58	IH
2,6-Dinitrotoluene	ug/kg	<330	330	07/20/17 16:58	
2-Chloronaphthalene	ug/kg	<67.0	67.0	07/20/17 16:58	
2-Chlorophenol	ug/kg	<67.0	67.0	07/20/17 16:58	
2-Methylnaphthalene	ug/kg	<67.0	67.0	07/20/17 16:58	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	07/20/17 16:58	
2-Nitroaniline	ug/kg	<330	330	07/20/17 16:58	
2-Nitrophenol	ug/kg	<330	330	07/20/17 16:58	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	07/20/17 16:58	
3,3'-Dichlorobenzidine	ug/kg	<330	330	07/20/17 16:58	
3-Nitroaniline	ug/kg	<330	330	07/20/17 16:58	
4,6-Dinitro-2-methylphenol	ug/kg	<67.0	67.0	07/20/17 16:58	
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	07/20/17 16:58	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	07/20/17 16:58	
4-Chloroaniline	ug/kg	<330	330	07/20/17 16:58	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	07/20/17 16:58	
4-Nitroaniline	ug/kg	<330	330	07/20/17 16:58	
4-Nitrophenol	ug/kg	<67.0	67.0	07/20/17 16:58	
Acenaphthene	ug/kg	<67.0	67.0	07/20/17 16:58	
Acenaphthylene	ug/kg	<67.0	67.0	07/20/17 16:58	
Anthracene	ug/kg	<67.0	67.0	07/20/17 16:58	
Benzo(a)anthracene	ug/kg	<67.0	67.0	07/20/17 16:58	
Benzo(a)pyrene	ug/kg	<67.0	67.0	07/20/17 16:58	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	07/20/17 16:58	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	07/20/17 16:58	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	07/20/17 16:58	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	07/20/17 16:58	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	07/20/17 16:58	
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	07/20/17 16:58	
Butylbenzylphthalate	ug/kg	<67.0	67.0	07/20/17 16:58	
Carbazole	ug/kg	<67.0	67.0	07/20/17 16:58	
Chrysene	ug/kg	<67.0	67.0	07/20/17 16:58	
Di-n-butylphthalate	ug/kg	<67.0	67.0	07/20/17 16:58	
Di-n-octylphthalate	ug/kg	<67.0	67.0	07/20/17 16:58	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	07/20/17 16:58	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

METHOD BLANK: 148932

Matrix: Solid

Associated Lab Samples: 7024609005, 7024609006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenzofuran	ug/kg	<67.0	67.0	07/20/17 16:58	
Diethylphthalate	ug/kg	<67.0	67.0	07/20/17 16:58	
Dimethylphthalate	ug/kg	<67.0	67.0	07/20/17 16:58	
Fluoranthene	ug/kg	<67.0	67.0	07/20/17 16:58	
Fluorene	ug/kg	<67.0	67.0	07/20/17 16:58	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	07/20/17 16:58	
Hexachlorobenzene	ug/kg	<67.0	67.0	07/20/17 16:58	
Hexachlorocyclopentadiene	ug/kg	<330	330	07/20/17 16:58	CC
Hexachloroethane	ug/kg	<67.0	67.0	07/20/17 16:58	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	07/20/17 16:58	
Isophorone	ug/kg	<67.0	67.0	07/20/17 16:58	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	07/20/17 16:58	
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	07/20/17 16:58	
Naphthalene	ug/kg	<67.0	67.0	07/20/17 16:58	
Nitrobenzene	ug/kg	<67.0	67.0	07/20/17 16:58	
Pentachlorophenol	ug/kg	<670	670	07/20/17 16:58	
Phenanthrene	ug/kg	<67.0	67.0	07/20/17 16:58	
Phenol	ug/kg	<67.0	67.0	07/20/17 16:58	
Pyrene	ug/kg	<67.0	67.0	07/20/17 16:58	
1,2-Dichlorobenzene-d4 (S)	%	63	20-130	07/20/17 16:58	
2,4,6-Tribromophenol (S)	%	107	19-122	07/20/17 16:58	CC
2-Chlorophenol-d4 (S)	%	66	20-130	07/20/17 16:58	
2-Fluorobiphenyl (S)	%	67	30-115	07/20/17 16:58	
2-Fluorophenol (S)	%	63	25-121	07/20/17 16:58	
Nitrobenzene-d5 (S)	%	64	23-120	07/20/17 16:58	
p-Terphenyl-d14 (S)	%	97	18-137	07/20/17 16:58	
Phenol-d5 (S)	%	63	24-113	07/20/17 16:58	

LABORATORY CONTROL SAMPLE: 148933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	911	55	33-116	
2,4,5-Trichlorophenol	ug/kg	1670	929	56	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	929	56	45-110	
2,4-Dichlorophenol	ug/kg	1670	1020	61	41-117	
2,4-Dimethylphenol	ug/kg	1670	562	34	24-96	
2,4-Dinitrophenol	ug/kg	1670	690	41	10-80	CC,IH
2,4-Dinitrotoluene	ug/kg	1670	1270	76	49-112	CC
2,6-Dinitrotoluene	ug/kg	1670	1100	66	50-109	
2-Chloronaphthalene	ug/kg	1670	836	50	35-107	
2-Chlorophenol	ug/kg	1670	839	50	36-109	
2-Methylnaphthalene	ug/kg	1670	966	58	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	934	56	36-104	
2-Nitroaniline	ug/kg	1670	684	41	42-118	CC,L2

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

LABORATORY CONTROL SAMPLE: 148933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitrophenol	ug/kg	1670	1110	67	36-117	CC
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1070	64	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	1010	60	41-116	
3-Nitroaniline	ug/kg	1670	906	54	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	1040	63	16-104	CC
4-Bromophenylphenyl ether	ug/kg	1670	1190	72	50-116	CC
4-Chloro-3-methylphenol	ug/kg	1670	953	57	45-118	
4-Chloroaniline	ug/kg	1670	748	45	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	922	55	48-111	
4-Nitroaniline	ug/kg	1670	927	56	46-110	
4-Nitrophenol	ug/kg	1670	1130	68	26-118	
Acenaphthene	ug/kg	1670	855	51	45-109	
Acenaphthylene	ug/kg	1670	848	51	43-107	
Anthracene	ug/kg	1670	1060	64	50-117	
Benzo(a)anthracene	ug/kg	1670	1040	62	52-116	
Benzo(a)pyrene	ug/kg	1670	1090	65	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1090	66	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	1190	72	30-107	
Benzo(k)fluoranthene	ug/kg	1670	1080	65	54-124	
bis(2-Chloroethoxy)methane	ug/kg	1670	761	46	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	785	47	32-116	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	853	51	60-127	L2
Butylbenzylphthalate	ug/kg	1670	841	50	54-130	L2
Carbazole	ug/kg	1670	1080	65	40-120	
Chrysene	ug/kg	1670	1060	64	48-121	
Di-n-butylphthalate	ug/kg	1670	1050	63	53-124	
Di-n-octylphthalate	ug/kg	1670	893	54	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	1250	75	52-109	
Dibenzofuran	ug/kg	1670	880	53	48-112	
Diethylphthalate	ug/kg	1670	902	54	51-114	
Dimethylphthalate	ug/kg	1670	924	55	49-112	
Fluoranthene	ug/kg	1670	1150	69	45-126	
Fluorene	ug/kg	1670	889	53	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	1030	62	36-118	CC
Hexachlorobenzene	ug/kg	1670	1180	71	51-110	CC
Hexachlorocyclopentadiene	ug/kg	1670	417	25	10-97	CC
Hexachloroethane	ug/kg	1670	906	54	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1180	71	50-108	
Isophorone	ug/kg	1670	782	47	14-129	
N-Nitroso-di-n-propylamine	ug/kg	1670	948	57	33-109	
N-Nitrosodiphenylamine	ug/kg	1670	965	58	39-90	
Naphthalene	ug/kg	1670	865	52	18-142	
Nitrobenzene	ug/kg	1670	780	47	36-119	
Pentachlorophenol	ug/kg	1670	725	43	22-115	
Phenanthrene	ug/kg	1670	1070	64	47-124	
Phenol	ug/kg	1670	895	54	38-104	
Pyrene	ug/kg	1670	1010	60	49-132	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

LABORATORY CONTROL SAMPLE: 148933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%			44	20-130	
2,4,6-Tribromophenol (S)	%			83	19-122	CC
2-Chlorophenol-d4 (S)	%			47	20-130	
2-Fluorobiphenyl (S)	%			48	30-115	
2-Fluorophenol (S)	%			48	25-121	
Nitrobenzene-d5 (S)	%			44	23-120	
p-Terphenyl-d14 (S)	%			65	18-137	
Phenol-d5 (S)	%			48	24-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148949 148950

Parameter	Units	7024604005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.4	1680	1680	953	937	57	56	33-116	2	
2,4,5-Trichlorophenol	ug/kg	<67.4	1680	1680	1090	1060	65	63	45-111	2	
2,4,6-Trichlorophenol	ug/kg	<67.4	1680	1680	1100	1100	65	66	45-110	0	
2,4-Dichlorophenol	ug/kg	<67.4	1680	1680	1250	1210	74	72	41-117	3	
2,4-Dimethylphenol	ug/kg	<67.4	1680	1680	289	302	17	18	24-96	4	M1
2,4-Dinitrophenol	ug/kg	<67.4	1680	1680	<675	<674	0	0	10-80		IH,M1
2,4-Dinitrotoluene	ug/kg	<332	1680	1680	1590	1580	95	94	49-112	1	CC
2,6-Dinitrotoluene	ug/kg	<332	1680	1680	1420	1410	85	84	50-109	1	
2-Chloronaphthalene	ug/kg	<67.4	1680	1680	1100	1080	66	65	35-107	2	
2-Chlorophenol	ug/kg	<67.4	1680	1680	1080	1050	64	63	36-109	3	
2-Methylnaphthalene	ug/kg	<67.4	1680	1680	1240	1230	74	74	31-135	1	
2-Methylphenol(o-Cresol)	ug/kg	<67.4	1680	1680	979	926	58	55	36-104	6	
2-Nitroaniline	ug/kg	<332	1680	1680	1090	1070	65	64	42-118	2	
2-Nitrophenol	ug/kg	<332	1680	1680	1110	1130	66	68	36-117	2	CC
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.4	1680	1680	1030	1030	61	61	37-137	0	
3,3'-Dichlorobenzidine	ug/kg	<332	1680	1680	1350	1350	81	81	41-116	0	
3-Nitroaniline	ug/kg	<332	1680	1680	1250	1210	75	72	40-95	3	
4,6-Dinitro-2-methylphenol	ug/kg	<67.4	1680	1680	<675	<674	19	18	16-104		CC
4-Bromophenylphenyl ether	ug/kg	<67.4	1680	1680	1560	1510	93	90	50-116	3	CC
4-Chloro-3-methylphenol	ug/kg	<67.4	1680	1680	1200	1150	71	69	45-118	4	
4-Chloroaniline	ug/kg	<332	1680	1680	910	897	54	54	29-88	1	
4-Chlorophenylphenyl ether	ug/kg	<67.4	1680	1680	1220	1220	73	73	48-111	0	
4-Nitroaniline	ug/kg	<332	1680	1680	1240	1300	74	78	46-110	5	
4-Nitrophenol	ug/kg	<67.4	1680	1680	1310	1260	78	75	26-118	4	
Acenaphthene	ug/kg	<67.4	1680	1680	1160	1150	69	69	45-109	1	
Acenaphthylene	ug/kg	<67.4	1680	1680	1130	1140	67	68	43-107	0	
Anthracene	ug/kg	<67.4	1680	1680	1400	1370	84	82	50-117	2	
Benzo(a)anthracene	ug/kg	73.4	1680	1680	1340	1320	76	74	52-116	2	
Benzo(a)pyrene	ug/kg	77.0	1680	1680	1390	1360	78	76	56-119	2	
Benzo(b)fluoranthene	ug/kg	97.8	1680	1680	1350	1340	74	74	45-122	1	
Benzo(g,h,i)perylene	ug/kg	<67.4	1680	1680	1440	1370	85	82	30-107	5	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148949 148950											
Parameter	Units	7024604005		MS	MSD	MS		MSD	% Rec		Qual
		Result	Conc.	Spike	Spike	Result	Result	Result	% Rec	Limits	
Benzo(k)fluoranthene	ug/kg	<67.4	1680	1680	1680	1380	1310	79	75	54-124	5
bis(2-Chloroethoxy)methane	ug/kg	<67.4	1680	1680	1680	957	959	57	57	29-112	0
bis(2-Chloroethyl) ether	ug/kg	<67.4	1680	1680	1680	915	878	54	52	32-116	4
bis(2-Ethylhexyl)phthalate	ug/kg	<67.4	1680	1680	1680	1120	1110	67	66	60-127	1
Butylbenzylphthalate	ug/kg	<67.4	1680	1680	1680	1090	1090	65	65	54-130	0
Carbazole	ug/kg	<67.4	1680	1680	1680	1430	1390	85	83	40-120	3
Chrysene	ug/kg	79.3	1680	1680	1680	1360	1330	76	74	48-121	3
Di-n-butylphthalate	ug/kg	<67.4	1680	1680	1680	1340	1310	80	78	53-124	3
Di-n-octylphthalate	ug/kg	<67.4	1680	1680	1680	1170	1140	70	68	46-141	3
Dibenz(a,h)anthracene	ug/kg	<67.4	1680	1680	1680	1510	1480	90	88	52-109	2
Dibenzofuran	ug/kg	<67.4	1680	1680	1680	1180	1190	70	71	48-112	0
Diethylphthalate	ug/kg	<67.4	1680	1680	1680	1170	1170	70	70	51-114	1
Dimethylphthalate	ug/kg	<67.4	1680	1680	1680	1210	1190	72	71	49-112	2
Fluoranthene	ug/kg	142	1680	1680	1680	1550	1510	84	82	45-126	3
Fluorene	ug/kg	<67.4	1680	1680	1680	1190	1170	71	70	47-108	2
Hexachloro-1,3-butadiene	ug/kg	<67.4	1680	1680	1680	1270	1280	75	76	36-118	1 CC
Hexachlorobenzene	ug/kg	<67.4	1680	1680	1680	1560	1510	93	90	51-110	3 CC
Hexachlorocyclopentadiene	ug/kg	<332	1680	1680	1680	<333	<332	13	12	10-97	CC
Hexachloroethane	ug/kg	<67.4	1680	1680	1680	681	686	41	41	34-105	1
Indeno(1,2,3-cd)pyrene	ug/kg	<67.4	1680	1680	1680	1410	1400	84	84	50-108	1
Isophorone	ug/kg	<67.4	1680	1680	1680	1000	1000	60	60	14-129	0
N-Nitroso-di-n-propylamine	ug/kg	<67.4	1680	1680	1680	1030	1000	61	60	33-109	3
N-Nitrosodiphenylamine	ug/kg	<67.4	1680	1680	1680	1100	1050	66	63	39-90	5
Naphthalene	ug/kg	<67.4	1680	1680	1680	1120	1090	67	65	18-142	3
Nitrobenzene	ug/kg	<67.4	1680	1680	1680	1050	1010	62	60	36-119	3
Pentachlorophenol	ug/kg	<67.4	1680	1680	1680	<675	<674	17	18	22-115	M1
Phenanthrene	ug/kg	<67.4	1680	1680	1680	1430	1380	85	82	47-124	4
Phenol	ug/kg	<67.4	1680	1680	1680	1100	1060	66	63	38-104	4
Pyrene	ug/kg	122	1680	1680	1680	1380	1340	75	73	49-132	3
1,2-Dichlorobenzene-d4 (S)	%							56	55	20-130	
2,4,6-Tribromophenol (S)	%							86	89	19-122	CC
2-Chlorophenol-d4 (S)	%							60	60	20-130	
2-Fluorobiphenyl (S)	%							65	65	30-115	
2-Fluorophenol (S)	%							58	57	25-121	
Nitrobenzene-d5 (S)	%							59	57	23-120	
p-Terphenyl-d14 (S)	%							85	84	18-137	
Phenol-d5 (S)	%							60	58	24-113	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

QC Batch: 32076

Analysis Method: ASTM D2216-92M

QC Batch Method: ASTM D2216-92M

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 7024609005, 7024609006

SAMPLE DUPLICATE: 148397

Parameter	Units	7024462001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	15.2	13.5	12	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

QC Batch:	32319	Analysis Method:	ASTM D2216-92M
QC Batch Method:	ASTM D2216-92M	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	7024609001, 7024609002, 7024609003, 7024609004		

SAMPLE DUPLICATE: 149526

Parameter	Units	7024417002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	28.5	26.8	6	

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QUALITY CONTROL DATA

Project: ALCO 7/17

Pace Project No.: 7024609

QC Batch:	33068	Analysis Method:	EPA 9014 Total Cyanide
QC Batch Method:	EPA 9010C	Analysis Description:	9014 Total Cyanide
Associated Lab Samples:	7024609005, 7024609006		

METHOD BLANK: 153012 Matrix: Solid

Associated Lab Samples: 7024609005, 7024609006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	<0.50	0.50	07/27/17 16:39	

LABORATORY CONTROL SAMPLE: 153013

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	57.7	43.7	76	11-189	

MATRIX SPIKE SAMPLE: 153014

Parameter	Units	7024604005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	<0.50	5.1	0.53	11	75-125	M1

SAMPLE DUPLICATE: 153015

Parameter	Units	7024604005 Result	Dup Result	RPD	Qualifiers
Cyanide	mg/kg	<0.50	<0.51		

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QUALIFIERS

Project: ALCO 7/17
Pace Project No.: 7024609

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: 7024609001

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

Sample: 7024609002

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

Sample: 7024609003

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

Sample: 7024609004

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

Sample: 151548

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

Sample: 151549

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

ANALYTE QUALIFIERS

CC The continuing calibration for this compound is outside of method control limits. The result is estimated.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

IL This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: ALCO 7/17

Pace Project No.: 7024609

ANALYTE QUALIFIERS

- | | |
|----|---|
| 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. |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |
| R1 | RPD value was outside control limits. |

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO 7/17

Pace Project No.: 7024609

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7024609005	SC-25	EPA 3545A	32200	EPA 8081B	32683
7024609006	SC-26	EPA 3545A	32200	EPA 8081B	32683
7024609005	SC-25	EPA 3545A	32201	EPA 8082A	32684
7024609006	SC-26	EPA 3545A	32201	EPA 8082A	32684
7024609005	SC-25	EPA 8151A	32329	EPA 8151A	32476
7024609006	SC-26	EPA 8151A	32329	EPA 8151A	32476
7024609005	SC-25	EPA 3050B	32314	EPA 6010C	32341
7024609006	SC-26	EPA 3050B	32314	EPA 6010C	32341
7024609005	SC-25	EPA 7471B	32318	EPA 7471B	32345
7024609006	SC-26	EPA 7471B	32318	EPA 7471B	32345
7024609005	SC-25	EPA 3545A	32173	EPA 8270D	32211
7024609006	SC-26	EPA 3545A	32173	EPA 8270D	32211
7024609001	S-58	EPA 5035A-L	32739	EPA 8260C	32762
7024609002	S-59	EPA 5035A-L	32739	EPA 8260C	32762
7024609003	S-60	EPA 5035A-L	32739	EPA 8260C	32762
7024609004	S-61	EPA 5035A-L	32739	EPA 8260C	32762
7024609001	S-58	ASTM D2216-92M	32319		
7024609002	S-59	ASTM D2216-92M	32319		
7024609003	S-60	ASTM D2216-92M	32319		
7024609004	S-61	ASTM D2216-92M	32319		
7024609005	SC-25	ASTM D2216-92M	32076		
7024609006	SC-26	ASTM D2216-92M	32076		
7024609005	SC-25	EPA 9010C	33068	EPA 9014 Total Cyanide	33126
7024609006	SC-26	EPA 9010C	33068	EPA 9014 Total Cyanide	33126

REPORT OF LABORATORY ANALYSIS

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WO#: 7024609



709/1830

Section A

CHAIN-OF-CUSTODY / Analytical Request Document

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

2308

Section C

Invoice Information:

Company: Barton and Loguidice DPC	Report To: Andy Barber	Accounts Payable
Address: 10 Airline Drive, Suite 200	Copy To: Nathan Shaffer	Company Name: Barton and Loguidice, DPC
Albany, NY 12205		Address: 443 Electronics Parkway Liverpool NY, 13088
Email To: nshaffer@bartonandloguidice.com	Purchase Order No.:	Pace Quote Reference: 00014909
Phone: 518-218-1801	Fax: 518-218-1805	Pace Project Manager: Cathy Chen
Requested Due Date/TAT: Standard	Project Number: 1368.001.001	Pace Profile #:

REGULATORY AGENCY

<input type="checkbox"/> NPDES	<input type="checkbox"/> GROUND WATER	<input type="checkbox"/> DRINKING WATER
<input type="checkbox"/> UST	<input type="checkbox"/> RCRA	<input checked="" type="checkbox"/> OTHER
SITE LOCATION <input type="checkbox"/> GA <input type="checkbox"/> IL <input type="checkbox"/> IN <input type="checkbox"/> MI <input type="checkbox"/> NC <input type="checkbox"/> OH <input type="checkbox"/> SC <input type="checkbox"/> WI <input type="checkbox"/> OTHER		

ITEM #	Section D Client Information	Required	Valid Matrix Codes		COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analyte	Residual Chlorine (Y/N)	Pace Project No. Lab ID	
			MATRIX	CODE	COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₈	Methanol				Other
					DATE	TIME	DATE	TIME													
1	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	S-58	DRINKING WATER	OW	7/17/17		7/17/17	16:00	1	X	acid									001	
2		S-59	WATER	WT				16:02	1	X	acid									002	
3		S-60	PRODUCT	PP				16:04	1	X	acid									003	
4		S-61	SOLUBLE	SL				16:05	1	X	acid									004	
5		SC-25	OTHER	OT		16:00		16:02	3	X	0.80Z	1.40Z	X	X	X	X	X	X	X	005	
6		SC-26	TISSUE	TS		16:03		16:05	3	X	0.80Z	1.40Z	X	X	X	X	X	X	X	006	
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
							Received on	Sealed Cooler	Custody	Notes Intact
Standard Deliverables	Shaffer	7/18/17	8:03	Shaffer	7/18/17	8:03	Y/N	Y/N	Y/N	Y/N
Standard	Shaffer	7/18/17	16:00	Shaffer	7/18/17	16:00	Y/N	Y/N	Y/N	Y/N
	Federer	7-19-17	10:00	Shaffer	7-19-17	10:00	Y/N	Y/N	Y/N	Y/N
SAMPLER NAME AND SIGNATURE							Temp in °C			
PRINT Name of SAMPLER: Nathan Shaffer							DATE Signed			
SIGNATURE of SAMPLER: [Signature]							(MM/DD/YY): 7/17/17			



Sample Condition Upon Receipt

Client Name:

Project

WO#: 7024609

PM: CNP Due Date: 07/27/17

CLIENT: B&L

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

Tracking #: 7359 2888 4622

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No

Seals intact: ☒ Yes ☐ No

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

Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TH092

Correction Factor: 0

☐ Samples on Ice, cooling process has begun

Cooler Temperature (°C): 1.3

Cooler Temperature Corrected (°C): 1.3

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: UN 7/19/17

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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	9. 5035A sampling method not followed. Rec'd 402 jars for VOCs
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Note if sediment is visible in the dissolved container.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
-Includes date/time/ID/Analysis Matrix <input checked="" type="checkbox"/> SL <input type="checkbox"/> WT <input type="checkbox"/> OIL		Sample #
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added
pH paper Lot #		
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)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Sampling State/County not indicated on COC. The lab must be notified whether samples are from a regulated soil county. PCB method 8250 is requested on COC. PCB method = 8082

December 12, 2017

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

RE: Project: Alco 1368.001.001
Pace Project No.: 7037004

Dear Corinne Steinmuller:

Enclosed are the analytical results for sample(s) received by the laboratory on December 02, 2017. 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
Accounts Payable, Barton and Loguidice



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Alco 1368.001.001

Pace Project No.: 7037004

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 1368.001.001

Pace Project No.: 7037004

Sample: S-78 **Lab ID: 7037004001** Collected: 12/01/17 11:30 Received: 12/02/17 11:50 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	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	630-20-6	
1,1,1-Trichloroethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	71-55-6	
1,1,2,2-Tetrachloroethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	79-34-5	
1,1,2-Trichloroethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	79-00-5	
1,1-Dichloroethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	75-34-3	
1,1-Dichloroethene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	75-35-4	CL
1,1-Dichloropropene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	563-58-6	
1,2,3-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	87-61-6	
1,2,3-Trichloropropane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	96-18-4	
1,2,4-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	120-82-1	
1,2,4-Trimethylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	95-63-6	
1,2-Dibromo-3-chloropropane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	96-12-8	
1,2-Dibromoethane (EDB)	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	106-93-4	
1,2-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	95-50-1	
1,2-Dichloroethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	107-06-2	
1,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	78-87-5	
1,3,5-Trimethylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	108-67-8	
1,3-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	541-73-1	
1,3-Dichloropropane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	142-28-9	
1,4-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	106-46-7	
2,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	594-20-7	
2-Butanone (MEK)	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	78-93-3	
2-Chloroethylvinyl ether	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	110-75-8	CL,L2
2-Chlorotoluene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	95-49-8	
2-Hexanone	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	591-78-6	
4-Chlorotoluene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	108-10-1	L2
Acetone	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	67-64-1	
Benzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	71-43-2	
Bromobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	108-86-1	
Bromochloromethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	74-97-5	
Bromodichloromethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	75-27-4	
Bromoform	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	75-25-2	
Bromomethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	74-83-9	
Carbon disulfide	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	75-15-0	CL
Carbon tetrachloride	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	56-23-5	
Chlorobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	108-90-7	
Chloroethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	75-00-3	CL
Chloroform	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	67-66-3	
Chloromethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	74-87-3	CL
Dibromochloromethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	124-48-1	
Dibromomethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	74-95-3	
Dichlorodifluoromethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	75-71-8	CL
Ethylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	100-41-4	
Hexachloro-1,3-butadiene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	87-68-3	
Isopropylbenzene (Cumene)	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-78 **Lab ID: 7037004001** Collected: 12/01/17 11:30 Received: 12/02/17 11:50 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									
Methyl-tert-butyl ether	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	1634-04-4	CL	
Methylene Chloride	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	75-09-2		
Naphthalene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	91-20-3		
Styrene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	100-42-5		
Tetrachloroethene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	127-18-4		
Toluene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	108-88-3		
Trichloroethene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	79-01-6		
Trichlorofluoromethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	75-69-4		
Vinyl acetate	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	108-05-4		
Vinyl chloride	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	75-01-4		
Xylene (Total)	<4.5	ug/kg	4.5	1	12/04/17 07:46	12/04/17 10:57	1330-20-7		
cis-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	156-59-2		
cis-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	10061-01-5		
m&p-Xylene	<4.5	ug/kg	4.5	1	12/04/17 07:46	12/04/17 10:57	179601-23-1		
n-Butylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	104-51-8		
n-Propylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	103-65-1		
o-Xylene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	95-47-6		
p-Isopropyltoluene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	99-87-6		
sec-Butylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	135-98-8		
tert-Butylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	98-06-6		
trans-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	156-60-5		
trans-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 10:57	10061-02-6		
Surrogates									
Toluene-d8 (S)	97	%.	43-157	1	12/04/17 07:46	12/04/17 10:57	2037-26-5		
4-Bromofluorobenzene (S)	108	%.	34-145	1	12/04/17 07:46	12/04/17 10:57	460-00-4		
1,2-Dichloroethane-d4 (S)	95	%.	33-150	1	12/04/17 07:46	12/04/17 10:57	17060-07-0		
Percent Moisture									
Analytical Method: ASTM D2216-92M									
Percent Moisture	11.5	%	0.10	1	12/04/17 17:11				

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-79 Lab ID: 7037004002 Collected: 12/01/17 11:31 Received: 12/02/17 11:50 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	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	630-20-6	
1,1,1-Trichloroethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	71-55-6	
1,1,2,2-Tetrachloroethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	79-34-5	
1,1,2-Trichloroethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	79-00-5	
1,1-Dichloroethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	75-34-3	
1,1-Dichloroethene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	75-35-4	CL
1,1-Dichloropropene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	563-58-6	
1,2,3-Trichlorobenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	87-61-6	
1,2,3-Trichloropropane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	96-18-4	
1,2,4-Trichlorobenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	120-82-1	
1,2,4-Trimethylbenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	96-12-8	
1,2-Dibromoethane (EDB)	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	106-93-4	
1,2-Dichlorobenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	95-50-1	
1,2-Dichloroethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	107-06-2	
1,2-Dichloropropane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	78-87-5	
1,3,5-Trimethylbenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	108-67-8	
1,3-Dichlorobenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	541-73-1	
1,3-Dichloropropane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	142-28-9	
1,4-Dichlorobenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	106-46-7	
2,2-Dichloropropane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	594-20-7	
2-Butanone (MEK)	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	78-93-3	
2-Chloroethylvinyl ether	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	110-75-8	CL,L2
2-Chlorotoluene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	95-49-8	
2-Hexanone	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	591-78-6	
4-Chlorotoluene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	108-10-1	L2
Acetone	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	67-64-1	
Benzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	71-43-2	
Bromobenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	108-86-1	
Bromochloromethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	74-97-5	
Bromodichloromethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	75-27-4	
Bromoform	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	75-25-2	
Bromomethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	74-83-9	
Carbon disulfide	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	75-15-0	CL
Carbon tetrachloride	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	56-23-5	
Chlorobenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	108-90-7	
Chloroethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	75-00-3	CL
Chloroform	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	67-66-3	
Chloromethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	74-87-3	CL
Dibromochloromethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	124-48-1	
Dibromomethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	74-95-3	
Dichlorodifluoromethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	75-71-8	CL
Ethylbenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	100-41-4	
Hexachloro-1,3-butadiene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	87-68-3	
Isopropylbenzene (Cumene)	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-79 **Lab ID: 7037004002** Collected: 12/01/17 11:31 Received: 12/02/17 11:50 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									
Methyl-tert-butyl ether	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	1634-04-4	CL	
Methylene Chloride	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	75-09-2		
Naphthalene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	91-20-3		
Styrene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	100-42-5		
Tetrachloroethene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	127-18-4		
Toluene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	108-88-3		
Trichloroethene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	79-01-6		
Trichlorofluoromethane	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	75-69-4		
Vinyl acetate	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	108-05-4		
Vinyl chloride	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	75-01-4		
Xylene (Total)	<4.8	ug/kg	4.8	1	12/04/17 07:46	12/04/17 11:18	1330-20-7		
cis-1,2-Dichloroethene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	156-59-2		
cis-1,3-Dichloropropene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	10061-01-5		
m&p-Xylene	<4.8	ug/kg	4.8	1	12/04/17 07:46	12/04/17 11:18	179601-23-1		
n-Butylbenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	104-51-8		
n-Propylbenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	103-65-1		
o-Xylene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	95-47-6		
p-Isopropyltoluene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	99-87-6		
sec-Butylbenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	135-98-8		
tert-Butylbenzene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	98-06-6		
trans-1,2-Dichloroethene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	156-60-5		
trans-1,3-Dichloropropene	<2.4	ug/kg	2.4	1	12/04/17 07:46	12/04/17 11:18	10061-02-6		
Surrogates									
Toluene-d8 (S)	95	%.	43-157	1	12/04/17 07:46	12/04/17 11:18	2037-26-5		
4-Bromofluorobenzene (S)	103	%.	34-145	1	12/04/17 07:46	12/04/17 11:18	460-00-4		
1,2-Dichloroethane-d4 (S)	120	%.	33-150	1	12/04/17 07:46	12/04/17 11:18	17060-07-0		
Percent Moisture									
Analytical Method: ASTM D2216-92M									
Percent Moisture	13.1	%	0.10	1		12/04/17 17:12			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-80 **Lab ID: 7037004003** Collected: 12/01/17 11:33 Received: 12/02/17 11:50 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	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	630-20-6	
1,1,1-Trichloroethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	71-55-6	
1,1,2,2-Tetrachloroethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	79-34-5	
1,1,2-Trichloroethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	79-00-5	
1,1-Dichloroethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	75-34-3	
1,1-Dichloroethene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	75-35-4	CL
1,1-Dichloropropene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	563-58-6	
1,2,3-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	87-61-6	
1,2,3-Trichloropropane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	96-18-4	
1,2,4-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	120-82-1	
1,2,4-Trimethylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	95-63-6	
1,2-Dibromo-3-chloropropane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	96-12-8	
1,2-Dibromoethane (EDB)	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	106-93-4	
1,2-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	95-50-1	
1,2-Dichloroethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	107-06-2	
1,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	78-87-5	
1,3,5-Trimethylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	108-67-8	
1,3-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	541-73-1	
1,3-Dichloropropane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	142-28-9	
1,4-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	106-46-7	
2,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	594-20-7	
2-Butanone (MEK)	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	78-93-3	
2-Chloroethylvinyl ether	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	110-75-8	CL,L2
2-Chlorotoluene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	95-49-8	
2-Hexanone	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	591-78-6	
4-Chlorotoluene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	108-10-1	L2
Acetone	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	67-64-1	
Benzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	71-43-2	
Bromobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	108-86-1	
Bromochloromethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	74-97-5	
Bromodichloromethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	75-27-4	
Bromoform	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	75-25-2	
Bromomethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	74-83-9	
Carbon disulfide	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	75-15-0	CL
Carbon tetrachloride	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	56-23-5	
Chlorobenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	108-90-7	
Chloroethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	75-00-3	CL
Chloroform	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	67-66-3	
Chloromethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	74-87-3	CL
Dibromochloromethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	124-48-1	
Dibromomethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	74-95-3	
Dichlorodifluoromethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	75-71-8	CL
Ethylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	100-41-4	
Hexachloro-1,3-butadiene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	87-68-3	
Isopropylbenzene (Cumene)	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-80 **Lab ID: 7037004003** Collected: 12/01/17 11:33 Received: 12/02/17 11:50 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									
Methyl-tert-butyl ether	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	1634-04-4	CL	
Methylene Chloride	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	75-09-2		
Naphthalene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	91-20-3		
Styrene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	100-42-5		
Tetrachloroethene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	127-18-4		
Toluene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	108-88-3		
Trichloroethene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	79-01-6		
Trichlorofluoromethane	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	75-69-4		
Vinyl acetate	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	108-05-4		
Vinyl chloride	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	75-01-4		
Xylene (Total)	<4.5	ug/kg	4.5	1	12/04/17 07:46	12/04/17 11:39	1330-20-7		
cis-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	156-59-2		
cis-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	10061-01-5		
m&p-Xylene	<4.5	ug/kg	4.5	1	12/04/17 07:46	12/04/17 11:39	179601-23-1		
n-Butylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	104-51-8		
n-Propylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	103-65-1		
o-Xylene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	95-47-6		
p-Isopropyltoluene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	99-87-6		
sec-Butylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	135-98-8		
tert-Butylbenzene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	98-06-6		
trans-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	156-60-5		
trans-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/04/17 07:46	12/04/17 11:39	10061-02-6		
Surrogates									
Toluene-d8 (S)	118	%.	43-157	1	12/04/17 07:46	12/04/17 11:39	2037-26-5		
4-Bromofluorobenzene (S)	130	%.	34-145	1	12/04/17 07:46	12/04/17 11:39	460-00-4		
1,2-Dichloroethane-d4 (S)	84	%.	33-150	1	12/04/17 07:46	12/04/17 11:39	17060-07-0		
Percent Moisture									
Analytical Method: ASTM D2216-92M									
Percent Moisture	7.6	%	0.10	1		12/04/17 17:12			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-81 **Lab ID: 7037004004** Collected: 12/01/17 11:34 Received: 12/02/17 11:50 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	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	630-20-6	
1,1,1-Trichloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	71-55-6	
1,1,2,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	79-34-5	
1,1,2-Trichloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	79-00-5	
1,1-Dichloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	75-34-3	
1,1-Dichloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	75-35-4	CL
1,1-Dichloropropene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	87-61-6	
1,2,3-Trichloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	96-12-8	
1,2-Dibromoethane (EDB)	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	106-93-4	
1,2-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	95-50-1	
1,2-Dichloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	107-06-2	
1,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	78-87-5	
1,3,5-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	108-67-8	
1,3-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	541-73-1	
1,3-Dichloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	142-28-9	
1,4-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	106-46-7	
2,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	594-20-7	
2-Butanone (MEK)	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	78-93-3	
2-Chloroethylvinyl ether	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	110-75-8	CL,L2
2-Chlorotoluene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	95-49-8	
2-Hexanone	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	591-78-6	
4-Chlorotoluene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	108-10-1	L2
Acetone	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	67-64-1	
Benzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	71-43-2	
Bromobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	108-86-1	
Bromochloromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	74-97-5	
Bromodichloromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	75-27-4	
Bromoform	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	75-25-2	
Bromomethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	74-83-9	
Carbon disulfide	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	75-15-0	CL
Carbon tetrachloride	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	56-23-5	
Chlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	108-90-7	
Chloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	75-00-3	CL
Chloroform	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	67-66-3	
Chloromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	74-87-3	CL
Dibromochloromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	124-48-1	
Dibromomethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	74-95-3	
Dichlorodifluoromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	75-71-8	CL
Ethylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	100-41-4	
Hexachloro-1,3-butadiene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	87-68-3	
Isopropylbenzene (Cumene)	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-81 **Lab ID: 7037004004** Collected: 12/01/17 11:34 Received: 12/02/17 11:50 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								
Methyl-tert-butyl ether	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	1634-04-4	CL
Methylene Chloride	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	75-09-2	
Naphthalene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	91-20-3	
Styrene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	100-42-5	
Tetrachloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	127-18-4	
Toluene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	108-88-3	
Trichloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	79-01-6	
Trichlorofluoromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	75-69-4	
Vinyl acetate	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	108-05-4	
Vinyl chloride	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	75-01-4	
Xylene (Total)	<4.3	ug/kg	4.3	1	12/04/17 07:46	12/04/17 11:59	1330-20-7	
cis-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	156-59-2	
cis-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	10061-01-5	
m&p-Xylene	<4.3	ug/kg	4.3	1	12/04/17 07:46	12/04/17 11:59	179601-23-1	
n-Butylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	104-51-8	
n-Propylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	103-65-1	
o-Xylene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	95-47-6	
p-Isopropyltoluene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	99-87-6	
sec-Butylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	135-98-8	
tert-Butylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	98-06-6	
trans-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	156-60-5	
trans-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 11:59	10061-02-6	
Surrogates								
Toluene-d8 (S)	95	%.	43-157	1	12/04/17 07:46	12/04/17 11:59	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	34-145	1	12/04/17 07:46	12/04/17 11:59	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%.	33-150	1	12/04/17 07:46	12/04/17 11:59	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2216-92M								
Percent Moisture	9.2	%	0.10	1		12/04/17 17:12		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-35 Lab ID: 7037004005 Collected: 12/01/17 11:31 Received: 12/02/17 11:50 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
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3545A								
Aldrin	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:02	309-00-2	
alpha-BHC	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:02	319-84-6	
beta-BHC	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:02	319-85-7	
delta-BHC	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:02	319-86-8	
gamma-BHC (Lindane)	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:02	58-89-9	
alpha-Chlordane	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:02	5103-71-9	
gamma-Chlordane	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:02	5103-74-2	
4,4'-DDD	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:02	72-54-8	
4,4'-DDE	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:02	72-55-9	
4,4'-DDT	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:02	50-29-3	
Dieldrin	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:02	60-57-1	
Endosulfan I	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:02	959-98-8	
Endosulfan II	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:02	33213-65-9	
Endosulfan sulfate	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:02	1031-07-8	
Endrin	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:02	72-20-8	
Endrin aldehyde	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:02	7421-93-4	
Endrin ketone	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:02	53494-70-5	
Heptachlor	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:02	76-44-8	
Heptachlor epoxide	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:02	1024-57-3	
Methoxychlor	<18.1	ug/kg	18.1	1	12/05/17 18:13	12/09/17 09:02	72-43-5	
Toxaphene	<181	ug/kg	181	1	12/05/17 18:13	12/09/17 09:02	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	53	%.	30-150	1	12/05/17 18:13	12/09/17 09:02	877-09-8	
Decachlorobiphenyl (S)	75	%.	30-150	1	12/05/17 18:13	12/09/17 09:02	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3545A								
PCB-1016 (Aroclor 1016)	<35.1	ug/kg	35.1	1	12/05/17 18:13	12/12/17 03:40	12674-11-2	
PCB-1221 (Aroclor 1221)	<71.2	ug/kg	71.2	1	12/05/17 18:13	12/12/17 03:40	11104-28-2	
PCB-1232 (Aroclor 1232)	<35.1	ug/kg	35.1	1	12/05/17 18:13	12/12/17 03:40	11141-16-5	
PCB-1242 (Aroclor 1242)	<35.1	ug/kg	35.1	1	12/05/17 18:13	12/12/17 03:40	53469-21-9	
PCB-1248 (Aroclor 1248)	<35.1	ug/kg	35.1	1	12/05/17 18:13	12/12/17 03:40	12672-29-6	
PCB-1254 (Aroclor 1254)	<35.1	ug/kg	35.1	1	12/05/17 18:13	12/12/17 03:40	11097-69-1	
PCB-1260 (Aroclor 1260)	<35.1	ug/kg	35.1	1	12/05/17 18:13	12/12/17 03:40	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	77	%.	30-150	1	12/05/17 18:13	12/12/17 03:40	877-09-8	
Decachlorobiphenyl (S)	51	%.	30-150	1	12/05/17 18:13	12/12/17 03:40	2051-24-3	
8151 Chlorinated Herbicides Analytical Method: EPA 8151A Preparation Method: EPA 8151A								
2,4-D	<10.7	ug/kg	10.7	1	12/07/17 14:44	12/08/17 17:02	94-75-7	
Dicamba	<3.2	ug/kg	3.2	1	12/07/17 14:44	12/08/17 17:02	1918-00-9	
2,4,5-T	<5.3	ug/kg	5.3	1	12/07/17 14:44	12/08/17 17:02	93-76-5	
2,4,5-TP (Silvex)	<5.3	ug/kg	5.3	1	12/07/17 14:44	12/08/17 17:02	93-72-1	
Surrogates								
2,4-DCAA (S)	68	%.	29-136	1	12/07/17 14:44	12/08/17 17:02	19719-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-35 **Lab ID: 7037004005** Collected: 12/01/17 11:31 Received: 12/02/17 11:50 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
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	6220	mg/kg	10.5	1	12/06/17 10:14	12/07/17 07:41	7429-90-5	M1
Antimony	<3.2	mg/kg	3.2	1	12/06/17 10:14	12/07/17 07:41	7440-36-0	M1
Arsenic	5.0	mg/kg	0.53	1	12/06/17 10:14	12/07/17 07:41	7440-38-2	D6
Barium	39.4	mg/kg	10.5	1	12/06/17 10:14	12/07/17 07:41	7440-39-3	D6,M1
Beryllium	0.35	mg/kg	0.26	1	12/06/17 10:14	12/07/17 07:41	7440-41-7	
Cadmium	0.97	mg/kg	0.13	1	12/06/17 10:14	12/07/17 07:41	7440-43-9	
Calcium	20900	mg/kg	52.5	1	12/06/17 10:14	12/07/17 07:41	7440-70-2	D6,M1
Chromium	5.2	mg/kg	0.53	1	12/06/17 10:14	12/07/17 07:41	7440-47-3	
Cobalt	7.0	mg/kg	2.6	1	12/06/17 10:14	12/07/17 07:41	7440-48-4	
Copper	9.2	mg/kg	1.3	1	12/06/17 10:14	12/07/17 07:41	7440-50-8	
Iron	14000	mg/kg	5.3	1	12/06/17 10:14	12/07/17 07:41	7439-89-6	M1
Lead	6.7	mg/kg	0.26	1	12/06/17 10:14	12/07/17 07:41	7439-92-1	
Magnesium	6360	mg/kg	52.5	1	12/06/17 10:14	12/07/17 07:41	7439-95-4	D6,M1
Manganese	254	mg/kg	0.79	1	12/06/17 10:14	12/07/17 07:41	7439-96-5	M1
Nickel	11.2	mg/kg	2.1	1	12/06/17 10:14	12/07/17 07:41	7440-02-0	
Potassium	947	mg/kg	263	1	12/06/17 10:14	12/07/17 07:41	7440-09-7	M1
Selenium	<0.53	mg/kg	0.53	1	12/06/17 10:14	12/07/17 07:41	7782-49-2	
Silver	3.4	mg/kg	0.53	1	12/06/17 10:14	12/07/17 07:41	7440-22-4	
Sodium	<263	mg/kg	263	1	12/06/17 10:14	12/07/17 07:41	7440-23-5	
Thallium	<0.53	mg/kg	0.53	1	12/06/17 10:14	12/07/17 07:41	7440-28-0	
Vanadium	12.2	mg/kg	2.6	1	12/06/17 10:14	12/07/17 07:41	7440-62-2	
Zinc	36.9	mg/kg	1.1	1	12/06/17 10:14	12/07/17 07:41	7440-66-6	

7471 Mercury

Analytical Method: EPA 7471B Preparation Method: EPA 7471B

Mercury	<0.040	mg/kg	0.040	1	12/08/17 09:23	12/08/17 14:16	7439-97-6	
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

2,2'-Oxybis(1-chloropropane)	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	108-60-1	
2,4,5-Trichlorophenol	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	95-95-4	
2,4,6-Trichlorophenol	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	88-06-2	
2,4-Dichlorophenol	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	120-83-2	
2,4-Dimethylphenol	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	105-67-9	
2,4-Dinitrophenol	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	51-28-5	CL
2,4-Dinitrotoluene	<351	ug/kg	351	1	12/06/17 10:30	12/07/17 20:34	121-14-2	
2,6-Dinitrotoluene	<351	ug/kg	351	1	12/06/17 10:30	12/07/17 20:34	606-20-2	
2-Chloronaphthalene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	91-58-7	
2-Chlorophenol	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	95-57-8	
2-Methylnaphthalene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	91-57-6	
2-Methylphenol(o-Cresol)	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	95-48-7	
2-Nitroaniline	<351	ug/kg	351	1	12/06/17 10:30	12/07/17 20:34	88-74-4	
2-Nitrophenol	<351	ug/kg	351	1	12/06/17 10:30	12/07/17 20:34	88-75-5	
3&4-Methylphenol(m&p Cresol)	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34		
3,3'-Dichlorobenzidine	<351	ug/kg	351	1	12/06/17 10:30	12/07/17 20:34	91-94-1	
3-Nitroaniline	<351	ug/kg	351	1	12/06/17 10:30	12/07/17 20:34	99-09-2	
4,6-Dinitro-2-methylphenol	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	534-52-1	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-35 **Lab ID: 7037004005** Collected: 12/01/17 11:31 Received: 12/02/17 11:50 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
4-Bromophenylphenyl ether	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	101-55-3	
4-Chloro-3-methylphenol	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	59-50-7	
4-Chloroaniline	<351	ug/kg	351	1	12/06/17 10:30	12/07/17 20:34	106-47-8	
4-Chlorophenylphenyl ether	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	7005-72-3	
4-Nitroaniline	<351	ug/kg	351	1	12/06/17 10:30	12/07/17 20:34	100-01-6	
4-Nitrophenol	<712	ug/kg	712	1	12/06/17 10:30	12/07/17 20:34	100-02-7	
Acenaphthene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	83-32-9	
Acenaphthylene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	208-96-8	
Anthracene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	120-12-7	
Benzo(a)anthracene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	56-55-3	
Benzo(a)pyrene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	50-32-8	
Benzo(b)fluoranthene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	205-99-2	
Benzo(g,h,i)perylene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	191-24-2	
Benzo(k)fluoranthene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	207-08-9	
Butylbenzylphthalate	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	85-68-7	
Carbazole	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	86-74-8	
Chrysene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	218-01-9	
Di-n-butylphthalate	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	84-74-2	
Di-n-octylphthalate	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	117-84-0	
Dibenz(a,h)anthracene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	53-70-3	
Dibenzofuran	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	132-64-9	
Diethylphthalate	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	84-66-2	
Dimethylphthalate	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	131-11-3	
Fluoranthene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	206-44-0	
Fluorene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	86-73-7	
Hexachloro-1,3-butadiene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	87-68-3	
Hexachlorobenzene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	118-74-1	
Hexachlorocyclopentadiene	<351	ug/kg	351	1	12/06/17 10:30	12/07/17 20:34	77-47-4	CL,IC
Hexachloroethane	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	67-72-1	
Indeno(1,2,3-cd)pyrene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	193-39-5	
Isophorone	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	78-59-1	
N-Nitroso-di-n-propylamine	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	621-64-7	
N-Nitrosodiphenylamine	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	86-30-6	
Naphthalene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	91-20-3	
Nitrobenzene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	98-95-3	
Pentachlorophenol	<712	ug/kg	712	1	12/06/17 10:30	12/07/17 20:34	87-86-5	
Phenanthrene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	85-01-8	
Phenol	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	108-95-2	
Pyrene	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	129-00-0	
bis(2-Chloroethoxy)methane	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	111-91-1	
bis(2-Chloroethyl) ether	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	111-44-4	
bis(2-Ethylhexyl)phthalate	<71.2	ug/kg	71.2	1	12/06/17 10:30	12/07/17 20:34	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	43	%.	23-120	1	12/06/17 10:30	12/07/17 20:34	4165-60-0	
2-Fluorobiphenyl (S)	42	%.	30-115	1	12/06/17 10:30	12/07/17 20:34	321-60-8	
p-Terphenyl-d14 (S)	48	%.	18-137	1	12/06/17 10:30	12/07/17 20:34	1718-51-0	

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-35 **Lab ID: 7037004005** Collected: 12/01/17 11:31 Received: 12/02/17 11:50 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Surrogates								
Phenol-d5 (S)	44	%.	24-113	1	12/06/17 10:30	12/07/17 20:34	4165-62-2	
2-Fluorophenol (S)	42	%.	25-121	1	12/06/17 10:30	12/07/17 20:34	367-12-4	
2,4,6-Tribromophenol (S)	35	%.	19-122	1	12/06/17 10:30	12/07/17 20:34	118-79-6	
2-Chlorophenol-d4 (S)	44	%.	20-130	1	12/06/17 10:30	12/07/17 20:34	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	33	%.	20-130	1	12/06/17 10:30	12/07/17 20:34	2199-69-1	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	6.2	%	0.10	1		12/04/17 17:12		
9014 Cyanide, Total Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
Cyanide	<0.52	mg/kg	0.52	1	12/11/17 09:35	12/11/17 17:17	57-12-5	

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-36 **Lab ID: 7037004006** Collected: 12/01/17 11:34 Received: 12/02/17 11:50 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
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3545A								
Aldrin	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:20	309-00-2	
alpha-BHC	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:20	319-84-6	
beta-BHC	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:20	319-85-7	
delta-BHC	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:20	319-86-8	
gamma-BHC (Lindane)	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:20	58-89-9	
alpha-Chlordane	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:20	5103-71-9	
gamma-Chlordane	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:20	5103-74-2	
4,4'-DDD	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:20	72-54-8	
4,4'-DDE	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:20	72-55-9	
4,4'-DDT	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:20	50-29-3	
Dieldrin	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:20	60-57-1	
Endosulfan I	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:20	959-98-8	
Endosulfan II	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:20	33213-65-9	
Endosulfan sulfate	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:20	1031-07-8	
Endrin	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:20	72-20-8	
Endrin aldehyde	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:20	7421-93-4	
Endrin ketone	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:20	53494-70-5	
Heptachlor	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:20	76-44-8	
Heptachlor epoxide	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:20	1024-57-3	
Methoxychlor	<18.3	ug/kg	18.3	1	12/05/17 18:13	12/09/17 09:20	72-43-5	
Toxaphene	<183	ug/kg	183	1	12/05/17 18:13	12/09/17 09:20	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	59	%.	30-150	1	12/05/17 18:13	12/09/17 09:20	877-09-8	
Decachlorobiphenyl (S)	86	%.	30-150	1	12/05/17 18:13	12/09/17 09:20	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3545A								
PCB-1016 (Aroclor 1016)	<35.5	ug/kg	35.5	1	12/05/17 18:13	12/12/17 03:52	12674-11-2	
PCB-1221 (Aroclor 1221)	<72.0	ug/kg	72.0	1	12/05/17 18:13	12/12/17 03:52	11104-28-2	
PCB-1232 (Aroclor 1232)	<35.5	ug/kg	35.5	1	12/05/17 18:13	12/12/17 03:52	11141-16-5	
PCB-1242 (Aroclor 1242)	<35.5	ug/kg	35.5	1	12/05/17 18:13	12/12/17 03:52	53469-21-9	
PCB-1248 (Aroclor 1248)	<35.5	ug/kg	35.5	1	12/05/17 18:13	12/12/17 03:52	12672-29-6	
PCB-1254 (Aroclor 1254)	<35.5	ug/kg	35.5	1	12/05/17 18:13	12/12/17 03:52	11097-69-1	
PCB-1260 (Aroclor 1260)	<35.5	ug/kg	35.5	1	12/05/17 18:13	12/12/17 03:52	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	97	%.	30-150	1	12/05/17 18:13	12/12/17 03:52	877-09-8	
Decachlorobiphenyl (S)	75	%.	30-150	1	12/05/17 18:13	12/12/17 03:52	2051-24-3	
8151 Chlorinated Herbicides Analytical Method: EPA 8151A Preparation Method: EPA 8151A								
2,4-D	<10.8	ug/kg	10.8	1	12/07/17 14:44	12/08/17 18:03	94-75-7	
Dicamba	<3.2	ug/kg	3.2	1	12/07/17 14:44	12/08/17 18:03	1918-00-9	
2,4,5-T	<5.4	ug/kg	5.4	1	12/07/17 14:44	12/08/17 18:03	93-76-5	
2,4,5-TP (Silvex)	<5.4	ug/kg	5.4	1	12/07/17 14:44	12/08/17 18:03	93-72-1	
Surrogates								
2,4-DCAA (S)	64	%.	29-136	1	12/07/17 14:44	12/08/17 18:03	19719-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-36 **Lab ID: 7037004006** Collected: 12/01/17 11:34 Received: 12/02/17 11:50 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
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	5160	mg/kg	10.8	1	12/06/17 10:14	12/07/17 08:08	7429-90-5	
Antimony	<3.2	mg/kg	3.2	1	12/06/17 10:14	12/07/17 08:08	7440-36-0	
Arsenic	4.4	mg/kg	0.54	1	12/06/17 10:14	12/07/17 08:08	7440-38-2	
Barium	28.8	mg/kg	10.8	1	12/06/17 10:14	12/07/17 08:08	7440-39-3	
Beryllium	0.29	mg/kg	0.27	1	12/06/17 10:14	12/07/17 08:08	7440-41-7	
Cadmium	0.85	mg/kg	0.13	1	12/06/17 10:14	12/07/17 08:08	7440-43-9	
Calcium	21600	mg/kg	53.8	1	12/06/17 10:14	12/07/17 08:08	7440-70-2	
Chromium	4.7	mg/kg	0.54	1	12/06/17 10:14	12/07/17 08:08	7440-47-3	
Cobalt	5.1	mg/kg	2.7	1	12/06/17 10:14	12/07/17 08:08	7440-48-4	
Copper	7.5	mg/kg	1.3	1	12/06/17 10:14	12/07/17 08:08	7440-50-8	
Iron	12500	mg/kg	5.4	1	12/06/17 10:14	12/07/17 08:08	7439-89-6	
Lead	5.7	mg/kg	0.27	1	12/06/17 10:14	12/07/17 08:08	7439-92-1	
Magnesium	6370	mg/kg	53.8	1	12/06/17 10:14	12/07/17 08:08	7439-95-4	
Manganese	227	mg/kg	0.81	1	12/06/17 10:14	12/07/17 08:08	7439-96-5	
Nickel	9.1	mg/kg	2.2	1	12/06/17 10:14	12/07/17 08:08	7440-02-0	
Potassium	802	mg/kg	269	1	12/06/17 10:14	12/07/17 08:08	7440-09-7	
Selenium	<0.54	mg/kg	0.54	1	12/06/17 10:14	12/07/17 08:08	7782-49-2	
Silver	3.1	mg/kg	0.54	1	12/06/17 10:14	12/07/17 08:08	7440-22-4	
Sodium	<269	mg/kg	269	1	12/06/17 10:14	12/07/17 08:08	7440-23-5	
Thallium	<0.54	mg/kg	0.54	1	12/06/17 10:14	12/07/17 08:08	7440-28-0	
Vanadium	11.7	mg/kg	2.7	1	12/06/17 10:14	12/07/17 08:08	7440-62-2	
Zinc	33.0	mg/kg	1.1	1	12/06/17 10:14	12/07/17 08:08	7440-66-6	

7471 Mercury

Analytical Method: EPA 7471B Preparation Method: EPA 7471B

Mercury	<0.044	mg/kg	0.044	1	12/08/17 09:23	12/08/17 14:18	7439-97-6	
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

2,2'-Oxybis(1-chloropropane)	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	108-60-1	
2,4,5-Trichlorophenol	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	95-95-4	
2,4,6-Trichlorophenol	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	88-06-2	
2,4-Dichlorophenol	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	120-83-2	
2,4-Dimethylphenol	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	105-67-9	M1
2,4-Dinitrophenol	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	51-28-5	CL
2,4-Dinitrotoluene	<356	ug/kg	356	1	12/06/17 10:30	12/07/17 21:03	121-14-2	
2,6-Dinitrotoluene	<356	ug/kg	356	1	12/06/17 10:30	12/07/17 21:03	606-20-2	
2-Chloronaphthalene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	91-58-7	
2-Chlorophenol	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	95-57-8	
2-Methylnaphthalene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	91-57-6	
2-Methylphenol(o-Cresol)	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	95-48-7	
2-Nitroaniline	<356	ug/kg	356	1	12/06/17 10:30	12/07/17 21:03	88-74-4	
2-Nitrophenol	<356	ug/kg	356	1	12/06/17 10:30	12/07/17 21:03	88-75-5	
3&4-Methylphenol(m&p Cresol)	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03		
3,3'-Dichlorobenzidine	<356	ug/kg	356	1	12/06/17 10:30	12/07/17 21:03	91-94-1	
3-Nitroaniline	<356	ug/kg	356	1	12/06/17 10:30	12/07/17 21:03	99-09-2	
4,6-Dinitro-2-methylphenol	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	534-52-1	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-36 **Lab ID: 7037004006** Collected: 12/01/17 11:34 Received: 12/02/17 11:50 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
4-Bromophenylphenyl ether	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	101-55-3	
4-Chloro-3-methylphenol	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	59-50-7	
4-Chloroaniline	<356	ug/kg	356	1	12/06/17 10:30	12/07/17 21:03	106-47-8	
4-Chlorophenylphenyl ether	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	7005-72-3	
4-Nitroaniline	<356	ug/kg	356	1	12/06/17 10:30	12/07/17 21:03	100-01-6	
4-Nitrophenol	<723	ug/kg	723	1	12/06/17 10:30	12/07/17 21:03	100-02-7	
Acenaphthene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	83-32-9	
Acenaphthylene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	208-96-8	
Anthracene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	120-12-7	
Benzo(a)anthracene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	56-55-3	
Benzo(a)pyrene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	50-32-8	
Benzo(b)fluoranthene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	205-99-2	
Benzo(g,h,i)perylene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	191-24-2	
Benzo(k)fluoranthene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	207-08-9	
Butylbenzylphthalate	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	85-68-7	
Carbazole	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	86-74-8	
Chrysene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	218-01-9	
Di-n-butylphthalate	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	84-74-2	
Di-n-octylphthalate	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	117-84-0	
Dibenz(a,h)anthracene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	53-70-3	
Dibenzofuran	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	132-64-9	
Diethylphthalate	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	84-66-2	
Dimethylphthalate	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	131-11-3	
Fluoranthene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	206-44-0	
Fluorene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	86-73-7	
Hexachloro-1,3-butadiene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	87-68-3	
Hexachlorobenzene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	118-74-1	
Hexachlorocyclopentadiene	<356	ug/kg	356	1	12/06/17 10:30	12/07/17 21:03	77-47-4	CL,IC,IH
Hexachloroethane	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	67-72-1	
Indeno(1,2,3-cd)pyrene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	193-39-5	
Isophorone	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	78-59-1	
N-Nitroso-di-n-propylamine	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	621-64-7	
N-Nitrosodiphenylamine	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	86-30-6	
Naphthalene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	91-20-3	
Nitrobenzene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	98-95-3	
Pentachlorophenol	<723	ug/kg	723	1	12/06/17 10:30	12/07/17 21:03	87-86-5	
Phenanthrene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	85-01-8	
Phenol	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	108-95-2	
Pyrene	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	129-00-0	
bis(2-Chloroethoxy)methane	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	111-91-1	
bis(2-Chloroethyl) ether	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	111-44-4	
bis(2-Ethylhexyl)phthalate	<72.3	ug/kg	72.3	1	12/06/17 10:30	12/07/17 21:03	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	64	%.	23-120	1	12/06/17 10:30	12/07/17 21:03	4165-60-0	
2-Fluorobiphenyl (S)	65	%.	30-115	1	12/06/17 10:30	12/07/17 21:03	321-60-8	
p-Terphenyl-d14 (S)	79	%.	18-137	1	12/06/17 10:30	12/07/17 21:03	1718-51-0	

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-36 **Lab ID: 7037004006** Collected: 12/01/17 11:34 Received: 12/02/17 11:50 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Surrogates								
Phenol-d5 (S)	64	%.	24-113	1	12/06/17 10:30	12/07/17 21:03	4165-62-2	
2-Fluorophenol (S)	56	%.	25-121	1	12/06/17 10:30	12/07/17 21:03	367-12-4	
2,4,6-Tribromophenol (S)	43	%.	19-122	1	12/06/17 10:30	12/07/17 21:03	118-79-6	
2-Chlorophenol-d4 (S)	59	%.	20-130	1	12/06/17 10:30	12/07/17 21:03	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	55	%.	20-130	1	12/06/17 10:30	12/07/17 21:03	2199-69-1	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	7.3	%	0.10	1		12/04/17 17:12		
9014 Cyanide, Total Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
Cyanide	<0.53	mg/kg	0.53	1	12/11/17 09:35	12/11/17 17:17	57-12-5	

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-82 **Lab ID: 7037004007** Collected: 12/01/17 11:35 Received: 12/02/17 11:50 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	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	630-20-6	
1,1,1-Trichloroethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	71-55-6	
1,1,2,2-Tetrachloroethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	79-34-5	
1,1,2-Trichloroethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	79-00-5	
1,1-Dichloroethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	75-34-3	
1,1-Dichloroethene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	75-35-4	CL
1,1-Dichloropropene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	87-61-6	
1,2,3-Trichloropropane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	96-18-4	
1,2,4-Trichlorobenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	120-82-1	
1,2,4-Trimethylbenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	95-63-6	
1,2-Dibromo-3-chloropropane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	96-12-8	
1,2-Dibromoethane (EDB)	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	106-93-4	
1,2-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	95-50-1	
1,2-Dichloroethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	107-06-2	
1,2-Dichloropropane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	78-87-5	
1,3,5-Trimethylbenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	108-67-8	
1,3-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	541-73-1	
1,3-Dichloropropane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	142-28-9	
1,4-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	106-46-7	
2,2-Dichloropropane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	594-20-7	
2-Butanone (MEK)	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	78-93-3	
2-Chloroethylvinyl ether	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	110-75-8	CL,L2
2-Chlorotoluene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	95-49-8	
2-Hexanone	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	591-78-6	
4-Chlorotoluene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	108-10-1	L2
Acetone	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	67-64-1	
Benzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	71-43-2	
Bromobenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	108-86-1	
Bromochloromethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	74-97-5	
Bromodichloromethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	75-27-4	
Bromoform	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	75-25-2	
Bromomethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	74-83-9	
Carbon disulfide	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	75-15-0	CL
Carbon tetrachloride	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	56-23-5	
Chlorobenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	108-90-7	
Chloroethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	75-00-3	CL
Chloroform	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	67-66-3	
Chloromethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	74-87-3	CL
Dibromochloromethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	124-48-1	
Dibromomethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	74-95-3	
Dichlorodifluoromethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	75-71-8	CL
Ethylbenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	87-68-3	
Isopropylbenzene (Cumene)	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-82 **Lab ID: 7037004007** Collected: 12/01/17 11:35 Received: 12/02/17 11:50 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								
Methyl-tert-butyl ether	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	1634-04-4	CL
Methylene Chloride	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	75-09-2	
Naphthalene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	91-20-3	
Styrene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	100-42-5	
Tetrachloroethene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	127-18-4	
Toluene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	108-88-3	
Trichloroethene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	79-01-6	
Trichlorofluoromethane	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	75-69-4	
Vinyl acetate	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	108-05-4	
Vinyl chloride	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	75-01-4	
Xylene (Total)	<4.2	ug/kg	4.2	1	12/04/17 07:46	12/04/17 12:20	1330-20-7	
cis-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	156-59-2	
cis-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	10061-01-5	
m&p-Xylene	<4.2	ug/kg	4.2	1	12/04/17 07:46	12/04/17 12:20	179601-23-1	
n-Butylbenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	104-51-8	
n-Propylbenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	103-65-1	
o-Xylene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	95-47-6	
p-Isopropyltoluene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	99-87-6	
sec-Butylbenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	135-98-8	
tert-Butylbenzene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	98-06-6	
trans-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	156-60-5	
trans-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	12/04/17 07:46	12/04/17 12:20	10061-02-6	
Surrogates								
Toluene-d8 (S)	95	%.	43-157	1	12/04/17 07:46	12/04/17 12:20	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	34-145	1	12/04/17 07:46	12/04/17 12:20	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%.	33-150	1	12/04/17 07:46	12/04/17 12:20	17060-07-0	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	6.5	%	0.10	1		12/04/17 17:12		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-83 **Lab ID: 7037004008** Collected: 12/01/17 11:37 Received: 12/02/17 11:50 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	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	630-20-6	
1,1,1-Trichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	71-55-6	
1,1,2,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	79-34-5	
1,1,2-Trichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	79-00-5	
1,1-Dichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	75-34-3	
1,1-Dichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	75-35-4	
1,1-Dichloropropene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	87-61-6	
1,2,3-Trichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	96-12-8	
1,2-Dibromoethane (EDB)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	106-93-4	
1,2-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	95-50-1	
1,2-Dichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	107-06-2	
1,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	78-87-5	
1,3,5-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	108-67-8	
1,3-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	541-73-1	
1,3-Dichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	142-28-9	
1,4-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	106-46-7	
2,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	594-20-7	
2-Butanone (MEK)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	78-93-3	
2-Chloroethylvinyl ether	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	110-75-8	CL,L2
2-Chlorotoluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	95-49-8	
2-Hexanone	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	591-78-6	
4-Chlorotoluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	108-10-1	
Acetone	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	67-64-1	
Benzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	71-43-2	
Bromobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	108-86-1	
Bromochloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	74-97-5	
Bromodichloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	75-27-4	
Bromoform	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	75-25-2	
Bromomethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	74-83-9	
Carbon disulfide	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	75-15-0	CL
Carbon tetrachloride	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	56-23-5	
Chlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	108-90-7	
Chloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	75-00-3	
Chloroform	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	67-66-3	
Chloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	74-87-3	
Dibromochloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	124-48-1	
Dibromomethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	74-95-3	
Dichlorodifluoromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	75-71-8	CL
Ethylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	100-41-4	
Hexachloro-1,3-butadiene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	87-68-3	
Isopropylbenzene (Cumene)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-83 **Lab ID: 7037004008** Collected: 12/01/17 11:37 Received: 12/02/17 11:50 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								
Methyl-tert-butyl ether	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	1634-04-4	
Methylene Chloride	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	75-09-2	
Naphthalene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	91-20-3	
Styrene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	100-42-5	
Tetrachloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	127-18-4	
Toluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	108-88-3	
Trichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	79-01-6	
Trichlorofluoromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	75-69-4	
Vinyl acetate	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	108-05-4	CL
Vinyl chloride	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	75-01-4	
Xylene (Total)	<4.4	ug/kg	4.4	1	12/10/17 11:01	12/10/17 16:38	1330-20-7	
cis-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	156-59-2	
cis-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	10061-01-5	
m&p-Xylene	<4.4	ug/kg	4.4	1	12/10/17 11:01	12/10/17 16:38	179601-23-1	
n-Butylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	104-51-8	
n-Propylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	103-65-1	
o-Xylene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	95-47-6	
p-Isopropyltoluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	99-87-6	
sec-Butylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	135-98-8	
tert-Butylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	98-06-6	
trans-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	156-60-5	
trans-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:38	10061-02-6	
Surrogates								
Toluene-d8 (S)	99	%.	43-157	1	12/10/17 11:01	12/10/17 16:38	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	34-145	1	12/10/17 11:01	12/10/17 16:38	460-00-4	CH
1,2-Dichloroethane-d4 (S)	101	%.	33-150	1	12/10/17 11:01	12/10/17 16:38	17060-07-0	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	7.2	%	0.10	1		12/04/17 17:13		

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-84 **Lab ID: 7037004009** Collected: 12/01/17 11:40 Received: 12/02/17 11:50 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	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	630-20-6	
1,1,1-Trichloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	71-55-6	
1,1,2,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	79-34-5	
1,1,2-Trichloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	79-00-5	
1,1-Dichloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	75-34-3	
1,1-Dichloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	75-35-4	CL
1,1-Dichloropropene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	87-61-6	
1,2,3-Trichloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	96-12-8	
1,2-Dibromoethane (EDB)	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	106-93-4	
1,2-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	95-50-1	
1,2-Dichloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	107-06-2	
1,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	78-87-5	
1,3,5-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	108-67-8	
1,3-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	541-73-1	
1,3-Dichloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	142-28-9	
1,4-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	106-46-7	
2,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	594-20-7	
2-Butanone (MEK)	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	78-93-3	
2-Chloroethylvinyl ether	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	110-75-8	CL,L2
2-Chlorotoluene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	95-49-8	
2-Hexanone	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	591-78-6	
4-Chlorotoluene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	108-10-1	L2
Acetone	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	67-64-1	
Benzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	71-43-2	
Bromobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	108-86-1	
Bromochloromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	74-97-5	
Bromodichloromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	75-27-4	
Bromoform	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	75-25-2	
Bromomethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	74-83-9	
Carbon disulfide	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	75-15-0	CL
Carbon tetrachloride	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	56-23-5	
Chlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	108-90-7	
Chloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	75-00-3	CL
Chloroform	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	67-66-3	
Chloromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	74-87-3	CL
Dibromochloromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	124-48-1	
Dibromomethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	74-95-3	
Dichlorodifluoromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	75-71-8	CL
Ethylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	100-41-4	
Hexachloro-1,3-butadiene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	87-68-3	
Isopropylbenzene (Cumene)	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-84 **Lab ID: 7037004009** Collected: 12/01/17 11:40 Received: 12/02/17 11:50 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								
Methyl-tert-butyl ether	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	1634-04-4	CL
Methylene Chloride	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	75-09-2	
Naphthalene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	91-20-3	
Styrene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	100-42-5	
Tetrachloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	127-18-4	
Toluene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	108-88-3	
Trichloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	79-01-6	
Trichlorofluoromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	75-69-4	
Vinyl acetate	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	108-05-4	
Vinyl chloride	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	75-01-4	
Xylene (Total)	<4.4	ug/kg	4.4	1	12/04/17 07:46	12/04/17 13:02	1330-20-7	
cis-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	156-59-2	
cis-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	10061-01-5	
m&p-Xylene	<4.4	ug/kg	4.4	1	12/04/17 07:46	12/04/17 13:02	179601-23-1	
n-Butylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	104-51-8	
n-Propylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	103-65-1	
o-Xylene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	95-47-6	
p-Isopropyltoluene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	99-87-6	
sec-Butylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	135-98-8	
tert-Butylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	98-06-6	
trans-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	156-60-5	
trans-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:02	10061-02-6	
Surrogates								
Toluene-d8 (S)	95	%.	43-157	1	12/04/17 07:46	12/04/17 13:02	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	34-145	1	12/04/17 07:46	12/04/17 13:02	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%.	33-150	1	12/04/17 07:46	12/04/17 13:02	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2216-92M								
Percent Moisture	7.0	%	0.10	1	12/04/17 17:13			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-85 **Lab ID: 7037004010** Collected: 12/01/17 11:41 Received: 12/02/17 11:50 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	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	630-20-6	
1,1,1-Trichloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	71-55-6	
1,1,2,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	79-34-5	
1,1,2-Trichloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	79-00-5	
1,1-Dichloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	75-34-3	
1,1-Dichloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	75-35-4	CL
1,1-Dichloropropene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	87-61-6	
1,2,3-Trichloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	96-12-8	
1,2-Dibromoethane (EDB)	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	106-93-4	
1,2-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	95-50-1	
1,2-Dichloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	107-06-2	
1,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	78-87-5	
1,3,5-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	108-67-8	
1,3-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	541-73-1	
1,3-Dichloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	142-28-9	
1,4-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	106-46-7	
2,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	594-20-7	
2-Butanone (MEK)	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	78-93-3	
2-Chloroethylvinyl ether	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	110-75-8	CL,L2
2-Chlorotoluene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	95-49-8	
2-Hexanone	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	591-78-6	
4-Chlorotoluene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	108-10-1	L2
Acetone	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	67-64-1	
Benzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	71-43-2	
Bromobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	108-86-1	
Bromochloromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	74-97-5	
Bromodichloromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	75-27-4	
Bromoform	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	75-25-2	
Bromomethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	74-83-9	
Carbon disulfide	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	75-15-0	CL
Carbon tetrachloride	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	56-23-5	
Chlorobenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	108-90-7	
Chloroethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	75-00-3	CL
Chloroform	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	67-66-3	
Chloromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	74-87-3	CL
Dibromochloromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	124-48-1	
Dibromomethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	74-95-3	
Dichlorodifluoromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	75-71-8	CL
Ethylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	100-41-4	
Hexachloro-1,3-butadiene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	87-68-3	
Isopropylbenzene (Cumene)	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: S-85 **Lab ID: 7037004010** Collected: 12/01/17 11:41 Received: 12/02/17 11:50 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									
Methyl-tert-butyl ether	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	1634-04-4	CL	
Methylene Chloride	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	75-09-2		
Naphthalene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	91-20-3		
Styrene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	100-42-5		
Tetrachloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	127-18-4		
Toluene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	108-88-3		
Trichloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	79-01-6		
Trichlorofluoromethane	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	75-69-4		
Vinyl acetate	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	108-05-4		
Vinyl chloride	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	75-01-4		
Xylene (Total)	<4.4	ug/kg	4.4	1	12/04/17 07:46	12/04/17 13:23	1330-20-7		
cis-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	156-59-2		
cis-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	10061-01-5		
m&p-Xylene	<4.4	ug/kg	4.4	1	12/04/17 07:46	12/04/17 13:23	179601-23-1		
n-Butylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	104-51-8		
n-Propylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	103-65-1		
o-Xylene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	95-47-6		
p-Isopropyltoluene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	99-87-6		
sec-Butylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	135-98-8		
tert-Butylbenzene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	98-06-6		
trans-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	156-60-5		
trans-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/04/17 07:46	12/04/17 13:23	10061-02-6		
Surrogates									
Toluene-d8 (S)	96	%.	43-157	1	12/04/17 07:46	12/04/17 13:23	2037-26-5		
4-Bromofluorobenzene (S)	103	%.	34-145	1	12/04/17 07:46	12/04/17 13:23	460-00-4		
1,2-Dichloroethane-d4 (S)	97	%.	33-150	1	12/04/17 07:46	12/04/17 13:23	17060-07-0		
Percent Moisture									
Analytical Method: ASTM D2216-92M									
Percent Moisture	13.9	%	0.10	1	12/04/17 17:13				

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-37 **Lab ID: 7037004011** Collected: 12/01/17 11:37 Received: 12/02/17 11:50 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
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3545A								
Aldrin	<1.9	ug/kg	1.9	1	12/05/17 18:13	12/09/17 09:37	309-00-2	
alpha-BHC	<1.9	ug/kg	1.9	1	12/05/17 18:13	12/09/17 09:37	319-84-6	
beta-BHC	<1.9	ug/kg	1.9	1	12/05/17 18:13	12/09/17 09:37	319-85-7	
delta-BHC	<1.9	ug/kg	1.9	1	12/05/17 18:13	12/09/17 09:37	319-86-8	
gamma-BHC (Lindane)	<1.9	ug/kg	1.9	1	12/05/17 18:13	12/09/17 09:37	58-89-9	
alpha-Chlordane	<1.9	ug/kg	1.9	1	12/05/17 18:13	12/09/17 09:37	5103-71-9	
gamma-Chlordane	<1.9	ug/kg	1.9	1	12/05/17 18:13	12/09/17 09:37	5103-74-2	
4,4'-DDD	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:37	72-54-8	
4,4'-DDE	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:37	72-55-9	
4,4'-DDT	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:37	50-29-3	
Dieldrin	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:37	60-57-1	
Endosulfan I	<1.9	ug/kg	1.9	1	12/05/17 18:13	12/09/17 09:37	959-98-8	
Endosulfan II	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:37	33213-65-9	
Endosulfan sulfate	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:37	1031-07-8	
Endrin	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:37	72-20-8	
Endrin aldehyde	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:37	7421-93-4	
Endrin ketone	<3.6	ug/kg	3.6	1	12/05/17 18:13	12/09/17 09:37	53494-70-5	
Heptachlor	<1.9	ug/kg	1.9	1	12/05/17 18:13	12/09/17 09:37	76-44-8	
Heptachlor epoxide	<1.9	ug/kg	1.9	1	12/05/17 18:13	12/09/17 09:37	1024-57-3	
Methoxychlor	<18.5	ug/kg	18.5	1	12/05/17 18:13	12/09/17 09:37	72-43-5	
Toxaphene	<185	ug/kg	185	1	12/05/17 18:13	12/09/17 09:37	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	46	%.	30-150	1	12/05/17 18:13	12/09/17 09:37	877-09-8	
Decachlorobiphenyl (S)	68	%.	30-150	1	12/05/17 18:13	12/09/17 09:37	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3545A								
PCB-1016 (Aroclor 1016)	<35.9	ug/kg	35.9	1	12/05/17 18:13	12/12/17 04:18	12674-11-2	
PCB-1221 (Aroclor 1221)	<72.9	ug/kg	72.9	1	12/05/17 18:13	12/12/17 04:18	11104-28-2	
PCB-1232 (Aroclor 1232)	<35.9	ug/kg	35.9	1	12/05/17 18:13	12/12/17 04:18	11141-16-5	
PCB-1242 (Aroclor 1242)	<35.9	ug/kg	35.9	1	12/05/17 18:13	12/12/17 04:18	53469-21-9	
PCB-1248 (Aroclor 1248)	<35.9	ug/kg	35.9	1	12/05/17 18:13	12/12/17 04:18	12672-29-6	
PCB-1254 (Aroclor 1254)	<35.9	ug/kg	35.9	1	12/05/17 18:13	12/12/17 04:18	11097-69-1	
PCB-1260 (Aroclor 1260)	<35.9	ug/kg	35.9	1	12/05/17 18:13	12/12/17 04:18	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	74	%.	30-150	1	12/05/17 18:13	12/12/17 04:18	877-09-8	
Decachlorobiphenyl (S)	59	%.	30-150	1	12/05/17 18:13	12/12/17 04:18	2051-24-3	
8151 Chlorinated Herbicides Analytical Method: EPA 8151A Preparation Method: EPA 8151A								
2,4-D	<10.9	ug/kg	10.9	1	12/07/17 14:44	12/08/17 18:24	94-75-7	
Dicamba	<3.3	ug/kg	3.3	1	12/07/17 14:44	12/08/17 18:24	1918-00-9	
2,4,5-T	<5.4	ug/kg	5.4	1	12/07/17 14:44	12/08/17 18:24	93-76-5	
2,4,5-TP (Silvex)	<5.4	ug/kg	5.4	1	12/07/17 14:44	12/08/17 18:24	93-72-1	
Surrogates								
2,4-DCAA (S)	73	%.	29-136	1	12/07/17 14:44	12/08/17 18:24	19719-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-37 **Lab ID: 7037004011** Collected: 12/01/17 11:37 Received: 12/02/17 11:50 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
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	4800	mg/kg	11.4	1	12/06/17 10:14	12/07/17 08:14	7429-90-5	
Antimony	<3.4	mg/kg	3.4	1	12/06/17 10:14	12/07/17 08:14	7440-36-0	
Arsenic	4.6	mg/kg	0.57	1	12/06/17 10:14	12/07/17 08:14	7440-38-2	
Barium	28.8	mg/kg	11.4	1	12/06/17 10:14	12/07/17 08:14	7440-39-3	
Beryllium	<0.28	mg/kg	0.28	1	12/06/17 10:14	12/07/17 08:14	7440-41-7	
Cadmium	0.91	mg/kg	0.14	1	12/06/17 10:14	12/07/17 08:14	7440-43-9	
Calcium	28400	mg/kg	56.8	1	12/06/17 10:14	12/07/17 08:14	7440-70-2	
Chromium	5.1	mg/kg	0.57	1	12/06/17 10:14	12/07/17 08:14	7440-47-3	
Cobalt	5.4	mg/kg	2.8	1	12/06/17 10:14	12/07/17 08:14	7440-48-4	
Copper	7.9	mg/kg	1.4	1	12/06/17 10:14	12/07/17 08:14	7440-50-8	
Iron	12700	mg/kg	5.7	1	12/06/17 10:14	12/07/17 08:14	7439-89-6	
Lead	5.8	mg/kg	0.28	1	12/06/17 10:14	12/07/17 08:14	7439-92-1	
Magnesium	7010	mg/kg	56.8	1	12/06/17 10:14	12/07/17 08:14	7439-95-4	
Manganese	263	mg/kg	0.85	1	12/06/17 10:14	12/07/17 08:14	7439-96-5	
Nickel	9.7	mg/kg	2.3	1	12/06/17 10:14	12/07/17 08:14	7440-02-0	
Potassium	868	mg/kg	284	1	12/06/17 10:14	12/07/17 08:14	7440-09-7	
Selenium	<0.57	mg/kg	0.57	1	12/06/17 10:14	12/07/17 08:14	7782-49-2	
Silver	3.1	mg/kg	0.57	1	12/06/17 10:14	12/07/17 08:14	7440-22-4	
Sodium	<284	mg/kg	284	1	12/06/17 10:14	12/07/17 08:14	7440-23-5	
Thallium	<0.57	mg/kg	0.57	1	12/06/17 10:14	12/07/17 08:14	7440-28-0	
Vanadium	11.7	mg/kg	2.8	1	12/06/17 10:14	12/07/17 08:14	7440-62-2	
Zinc	34.4	mg/kg	1.1	1	12/06/17 10:14	12/07/17 08:14	7440-66-6	

7471 Mercury

Analytical Method: EPA 7471B Preparation Method: EPA 7471B

Mercury	<0.042	mg/kg	0.042	1	12/08/17 09:23	12/08/17 14:20	7439-97-6	
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

2,2'-Oxybis(1-chloropropane)	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	108-60-1	
2,4,5-Trichlorophenol	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	95-95-4	
2,4,6-Trichlorophenol	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	88-06-2	
2,4-Dichlorophenol	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	120-83-2	
2,4-Dimethylphenol	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	105-67-9	
2,4-Dinitrophenol	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	51-28-5	CL
2,4-Dinitrotoluene	<359	ug/kg	359	1	12/06/17 10:30	12/07/17 22:28	121-14-2	
2,6-Dinitrotoluene	<359	ug/kg	359	1	12/06/17 10:30	12/07/17 22:28	606-20-2	
2-Chloronaphthalene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	91-58-7	
2-Chlorophenol	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	95-57-8	
2-Methylnaphthalene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	91-57-6	
2-Methylphenol(o-Cresol)	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	95-48-7	
2-Nitroaniline	<359	ug/kg	359	1	12/06/17 10:30	12/07/17 22:28	88-74-4	
2-Nitrophenol	<359	ug/kg	359	1	12/06/17 10:30	12/07/17 22:28	88-75-5	
3&4-Methylphenol(m&p Cresol)	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28		
3,3'-Dichlorobenzidine	<359	ug/kg	359	1	12/06/17 10:30	12/07/17 22:28	91-94-1	
3-Nitroaniline	<359	ug/kg	359	1	12/06/17 10:30	12/07/17 22:28	99-09-2	
4,6-Dinitro-2-methylphenol	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	534-52-1	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-37 **Lab ID: 7037004011** Collected: 12/01/17 11:37 Received: 12/02/17 11:50 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
4-Bromophenylphenyl ether	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	101-55-3	
4-Chloro-3-methylphenol	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	59-50-7	
4-Chloroaniline	<359	ug/kg	359	1	12/06/17 10:30	12/07/17 22:28	106-47-8	
4-Chlorophenylphenyl ether	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	7005-72-3	
4-Nitroaniline	<359	ug/kg	359	1	12/06/17 10:30	12/07/17 22:28	100-01-6	
4-Nitrophenol	<728	ug/kg	728	1	12/06/17 10:30	12/07/17 22:28	100-02-7	
Acenaphthene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	83-32-9	
Acenaphthylene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	208-96-8	
Anthracene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	120-12-7	
Benzo(a)anthracene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	56-55-3	
Benzo(a)pyrene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	50-32-8	
Benzo(b)fluoranthene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	205-99-2	
Benzo(g,h,i)perylene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	191-24-2	
Benzo(k)fluoranthene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	207-08-9	
Butylbenzylphthalate	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	85-68-7	
Carbazole	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	86-74-8	
Chrysene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	218-01-9	
Di-n-butylphthalate	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	84-74-2	
Di-n-octylphthalate	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	117-84-0	
Dibenz(a,h)anthracene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	53-70-3	
Dibenzofuran	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	132-64-9	
Diethylphthalate	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	84-66-2	
Dimethylphthalate	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	131-11-3	
Fluoranthene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	206-44-0	
Fluorene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	86-73-7	
Hexachloro-1,3-butadiene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	87-68-3	
Hexachlorobenzene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	118-74-1	
Hexachlorocyclopentadiene	<359	ug/kg	359	1	12/06/17 10:30	12/07/17 22:28	77-47-4	CL,IC
Hexachloroethane	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	67-72-1	
Indeno(1,2,3-cd)pyrene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	193-39-5	
Isophorone	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	78-59-1	
N-Nitroso-di-n-propylamine	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	621-64-7	
N-Nitrosodiphenylamine	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	86-30-6	
Naphthalene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	91-20-3	
Nitrobenzene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	98-95-3	
Pentachlorophenol	<728	ug/kg	728	1	12/06/17 10:30	12/07/17 22:28	87-86-5	
Phenanthrene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	85-01-8	
Phenol	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	108-95-2	
Pyrene	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	129-00-0	
bis(2-Chloroethoxy)methane	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	111-91-1	
bis(2-Chloroethyl) ether	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	111-44-4	
bis(2-Ethylhexyl)phthalate	<72.8	ug/kg	72.8	1	12/06/17 10:30	12/07/17 22:28	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	56	%.	23-120	1	12/06/17 10:30	12/07/17 22:28	4165-60-0	
2-Fluorobiphenyl (S)	61	%.	30-115	1	12/06/17 10:30	12/07/17 22:28	321-60-8	
p-Terphenyl-d14 (S)	87	%.	18-137	1	12/06/17 10:30	12/07/17 22:28	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-37 **Lab ID: 7037004011** Collected: 12/01/17 11:37 Received: 12/02/17 11:50 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Surrogates								
Phenol-d5 (S)	62	%.	24-113	1	12/06/17 10:30	12/07/17 22:28	4165-62-2	
2-Fluorophenol (S)	50	%.	25-121	1	12/06/17 10:30	12/07/17 22:28	367-12-4	
2,4,6-Tribromophenol (S)	43	%.	19-122	1	12/06/17 10:30	12/07/17 22:28	118-79-6	
2-Chlorophenol-d4 (S)	51	%.	20-130	1	12/06/17 10:30	12/07/17 22:28	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	38	%.	20-130	1	12/06/17 10:30	12/07/17 22:28	2199-69-1	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	8.2	%	0.10	1		12/04/17 17:13		
9014 Cyanide, Total Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
Cyanide	<0.54	mg/kg	0.54	1	12/11/17 09:35	12/11/17 17:17	57-12-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-38 **Lab ID: 7037004012** Collected: 12/01/17 11:41 Received: 12/02/17 11:50 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
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3545A								
Aldrin	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:55	309-00-2	
alpha-BHC	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:55	319-84-6	R1
beta-BHC	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:55	319-85-7	
delta-BHC	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:55	319-86-8	R1
gamma-BHC (Lindane)	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:55	58-89-9	
alpha-Chlordane	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:55	5103-71-9	
gamma-Chlordane	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:55	5103-74-2	
4,4'-DDD	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:55	72-54-8	
4,4'-DDE	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:55	72-55-9	
4,4'-DDT	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:55	50-29-3	
Dieldrin	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:55	60-57-1	
Endosulfan I	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:55	959-98-8	M1,R1
Endosulfan II	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:55	33213-65-9	M1
Endosulfan sulfate	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:55	1031-07-8	R1
Endrin	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:55	72-20-8	
Endrin aldehyde	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:55	7421-93-4	R1
Endrin ketone	<3.5	ug/kg	3.5	1	12/05/17 18:13	12/09/17 09:55	53494-70-5	
Heptachlor	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:55	76-44-8	R1
Heptachlor epoxide	<1.8	ug/kg	1.8	1	12/05/17 18:13	12/09/17 09:55	1024-57-3	
Methoxychlor	<18.1	ug/kg	18.1	1	12/05/17 18:13	12/09/17 09:55	72-43-5	
Toxaphene	<181	ug/kg	181	1	12/05/17 18:13	12/09/17 09:55	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	45	%.	30-150	1	12/05/17 18:13	12/09/17 09:55	877-09-8	
Decachlorobiphenyl (S)	78	%.	30-150	1	12/05/17 18:13	12/09/17 09:55	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3545A								
PCB-1016 (Aroclor 1016)	<35.2	ug/kg	35.2	1	12/05/17 18:13	12/12/17 04:31	12674-11-2	
PCB-1221 (Aroclor 1221)	<71.4	ug/kg	71.4	1	12/05/17 18:13	12/12/17 04:31	11104-28-2	
PCB-1232 (Aroclor 1232)	<35.2	ug/kg	35.2	1	12/05/17 18:13	12/12/17 04:31	11141-16-5	
PCB-1242 (Aroclor 1242)	<35.2	ug/kg	35.2	1	12/05/17 18:13	12/12/17 04:31	53469-21-9	
PCB-1248 (Aroclor 1248)	<35.2	ug/kg	35.2	1	12/05/17 18:13	12/12/17 04:31	12672-29-6	
PCB-1254 (Aroclor 1254)	<35.2	ug/kg	35.2	1	12/05/17 18:13	12/12/17 04:31	11097-69-1	
PCB-1260 (Aroclor 1260)	<35.2	ug/kg	35.2	1	12/05/17 18:13	12/12/17 04:31	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	81	%.	30-150	1	12/05/17 18:13	12/12/17 04:31	877-09-8	
Decachlorobiphenyl (S)	74	%.	30-150	1	12/05/17 18:13	12/12/17 04:31	2051-24-3	
8151 Chlorinated Herbicides Analytical Method: EPA 8151A Preparation Method: EPA 8151A								
2,4-D	<10.7	ug/kg	10.7	1	12/07/17 14:44	12/08/17 18:44	94-75-7	
Dicamba	<3.2	ug/kg	3.2	1	12/07/17 14:44	12/08/17 18:44	1918-00-9	
2,4,5-T	<5.3	ug/kg	5.3	1	12/07/17 14:44	12/08/17 18:44	93-76-5	
2,4,5-TP (Silvex)	<5.3	ug/kg	5.3	1	12/07/17 14:44	12/08/17 18:44	93-72-1	
Surrogates								
2,4-DCAA (S)	54	%.	29-136	1	12/07/17 14:44	12/08/17 18:44	19719-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-38 **Lab ID: 7037004012** Collected: 12/01/17 11:41 Received: 12/02/17 11:50 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
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	4560	mg/kg	11.0	1	12/06/17 10:14	12/07/17 08:30	7429-90-5	
Antimony	<3.3	mg/kg	3.3	1	12/06/17 10:14	12/07/17 08:30	7440-36-0	
Arsenic	4.9	mg/kg	0.55	1	12/06/17 10:14	12/07/17 08:30	7440-38-2	
Barium	30.4	mg/kg	11.0	1	12/06/17 10:14	12/07/17 08:30	7440-39-3	
Beryllium	0.32	mg/kg	0.28	1	12/06/17 10:14	12/07/17 08:30	7440-41-7	
Cadmium	0.99	mg/kg	0.14	1	12/06/17 10:14	12/07/17 08:30	7440-43-9	
Calcium	22600	mg/kg	55.1	1	12/06/17 10:14	12/07/17 08:30	7440-70-2	
Chromium	5.9	mg/kg	0.55	1	12/06/17 10:14	12/07/17 08:30	7440-47-3	
Cobalt	5.4	mg/kg	2.8	1	12/06/17 10:14	12/07/17 08:30	7440-48-4	
Copper	8.1	mg/kg	1.4	1	12/06/17 10:14	12/07/17 08:30	7440-50-8	
Iron	13400	mg/kg	5.5	1	12/06/17 10:14	12/07/17 08:30	7439-89-6	
Lead	5.6	mg/kg	0.28	1	12/06/17 10:14	12/07/17 08:30	7439-92-1	
Magnesium	6540	mg/kg	55.1	1	12/06/17 10:14	12/07/17 08:30	7439-95-4	
Manganese	245	mg/kg	0.83	1	12/06/17 10:14	12/07/17 08:30	7439-96-5	
Nickel	9.6	mg/kg	2.2	1	12/06/17 10:14	12/07/17 08:30	7440-02-0	
Potassium	812	mg/kg	275	1	12/06/17 10:14	12/07/17 08:30	7440-09-7	
Selenium	<0.55	mg/kg	0.55	1	12/06/17 10:14	12/07/17 08:30	7782-49-2	
Silver	3.3	mg/kg	0.55	1	12/06/17 10:14	12/07/17 08:30	7440-22-4	
Sodium	<275	mg/kg	275	1	12/06/17 10:14	12/07/17 08:30	7440-23-5	
Thallium	<0.55	mg/kg	0.55	1	12/06/17 10:14	12/07/17 08:30	7440-28-0	
Vanadium	12.6	mg/kg	2.8	1	12/06/17 10:14	12/07/17 08:30	7440-62-2	
Zinc	37.2	mg/kg	1.1	1	12/06/17 10:14	12/07/17 08:30	7440-66-6	

7471 Mercury

Analytical Method: EPA 7471B Preparation Method: EPA 7471B

Mercury	<0.038	mg/kg	0.038	1	12/08/17 09:23	12/08/17 14:22	7439-97-6	
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

2,2'-Oxybis(1-chloropropane)	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	108-60-1	
2,4,5-Trichlorophenol	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	95-95-4	
2,4,6-Trichlorophenol	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	88-06-2	
2,4-Dichlorophenol	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	120-83-2	
2,4-Dimethylphenol	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	105-67-9	
2,4-Dinitrophenol	<715	ug/kg	715	1	12/06/17 10:30	12/07/17 22:56	51-28-5	CL
2,4-Dinitrotoluene	<352	ug/kg	352	1	12/06/17 10:30	12/07/17 22:56	121-14-2	
2,6-Dinitrotoluene	<352	ug/kg	352	1	12/06/17 10:30	12/07/17 22:56	606-20-2	
2-Chloronaphthalene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	91-58-7	
2-Chlorophenol	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	95-57-8	
2-Methylnaphthalene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	91-57-6	
2-Methylphenol(o-Cresol)	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	95-48-7	
2-Nitroaniline	<352	ug/kg	352	1	12/06/17 10:30	12/07/17 22:56	88-74-4	
2-Nitrophenol	<352	ug/kg	352	1	12/06/17 10:30	12/07/17 22:56	88-75-5	
3&4-Methylphenol(m&p Cresol)	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56		
3,3'-Dichlorobenzidine	<352	ug/kg	352	1	12/06/17 10:30	12/07/17 22:56	91-94-1	
3-Nitroaniline	<352	ug/kg	352	1	12/06/17 10:30	12/07/17 22:56	99-09-2	
4,6-Dinitro-2-methylphenol	<715	ug/kg	715	1	12/06/17 10:30	12/07/17 22:56	534-52-1	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-38 **Lab ID: 7037004012** Collected: 12/01/17 11:41 Received: 12/02/17 11:50 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
4-Bromophenylphenyl ether	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	101-55-3	
4-Chloro-3-methylphenol	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	59-50-7	
4-Chloroaniline	<352	ug/kg	352	1	12/06/17 10:30	12/07/17 22:56	106-47-8	
4-Chlorophenylphenyl ether	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	7005-72-3	
4-Nitroaniline	<352	ug/kg	352	1	12/06/17 10:30	12/07/17 22:56	100-01-6	
4-Nitrophenol	<715	ug/kg	715	1	12/06/17 10:30	12/07/17 22:56	100-02-7	
Acenaphthene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	83-32-9	
Acenaphthylene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	208-96-8	
Anthracene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	120-12-7	
Benzo(a)anthracene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	56-55-3	
Benzo(a)pyrene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	50-32-8	
Benzo(b)fluoranthene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	205-99-2	
Benzo(g,h,i)perylene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	191-24-2	
Benzo(k)fluoranthene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	207-08-9	
Butylbenzylphthalate	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	85-68-7	
Carbazole	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	86-74-8	
Chrysene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	218-01-9	
Di-n-butylphthalate	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	84-74-2	
Di-n-octylphthalate	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	117-84-0	
Dibenz(a,h)anthracene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	53-70-3	
Dibenzofuran	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	132-64-9	
Diethylphthalate	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	84-66-2	
Dimethylphthalate	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	131-11-3	
Fluoranthene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	206-44-0	
Fluorene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	86-73-7	
Hexachloro-1,3-butadiene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	87-68-3	
Hexachlorobenzene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	118-74-1	
Hexachlorocyclopentadiene	<352	ug/kg	352	1	12/06/17 10:30	12/07/17 22:56	77-47-4	CL,IC
Hexachloroethane	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	67-72-1	
Indeno(1,2,3-cd)pyrene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	193-39-5	
Isophorone	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	78-59-1	
N-Nitroso-di-n-propylamine	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	621-64-7	
N-Nitrosodiphenylamine	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	86-30-6	
Naphthalene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	91-20-3	
Nitrobenzene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	98-95-3	
Pentachlorophenol	<715	ug/kg	715	1	12/06/17 10:30	12/07/17 22:56	87-86-5	
Phenanthrene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	85-01-8	
Phenol	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	108-95-2	
Pyrene	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	129-00-0	
bis(2-Chloroethoxy)methane	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	111-91-1	
bis(2-Chloroethyl) ether	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	111-44-4	
bis(2-Ethylhexyl)phthalate	<71.5	ug/kg	71.5	1	12/06/17 10:30	12/07/17 22:56	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	57	%.	23-120	1	12/06/17 10:30	12/07/17 22:56	4165-60-0	
2-Fluorobiphenyl (S)	60	%.	30-115	1	12/06/17 10:30	12/07/17 22:56	321-60-8	
p-Terphenyl-d14 (S)	70	%.	18-137	1	12/06/17 10:30	12/07/17 22:56	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Alco 1368.001.001

Pace Project No.: 7037004

Sample: SC-38 **Lab ID: 7037004012** Collected: 12/01/17 11:41 Received: 12/02/17 11:50 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
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

Surrogates

Phenol-d5 (S)	59	%.	24-113	1	12/06/17 10:30	12/07/17 22:56	4165-62-2	
2-Fluorophenol (S)	52	%.	25-121	1	12/06/17 10:30	12/07/17 22:56	367-12-4	
2,4,6-Tribromophenol (S)	50	%.	19-122	1	12/06/17 10:30	12/07/17 22:56	118-79-6	
2-Chlorophenol-d4 (S)	55	%.	20-130	1	12/06/17 10:30	12/07/17 22:56	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	47	%.	20-130	1	12/06/17 10:30	12/07/17 22:56	2199-69-1	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	6.3	%	0.10	1		12/04/17 17:13		
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9014 Cyanide, Total

Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C

Cyanide	<0.53	mg/kg	0.53	1	12/11/17 09:35	12/11/17 17:17	57-12-5	
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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

QC Batch: 49100 Analysis Method: EPA 7471B
QC Batch Method: EPA 7471B Analysis Description: 7471 Mercury
Associated Lab Samples: 7037004005, 7037004006, 7037004011, 7037004012

METHOD BLANK: 228460 Matrix: Solid
Associated Lab Samples: 7037004005, 7037004006, 7037004011, 7037004012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.033	0.033	12/08/17 14:12	

LABORATORY CONTROL SAMPLE: 228461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.17	0.17	104	80-120	

MATRIX SPIKE SAMPLE: 228468

Parameter	Units	7036852058 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.2	0.21	98	80-120	

SAMPLE DUPLICATE: 228469

Parameter	Units	7036852058 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	ND	<0.044		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

QC Batch: 48641 Analysis Method: EPA 6010C
QC Batch Method: EPA 3050B Analysis Description: 6010 MET
Associated Lab Samples: 7037004005, 7037004006, 7037004011, 7037004012

METHOD BLANK: 226311 Matrix: Solid
Associated Lab Samples: 7037004005, 7037004006, 7037004011, 7037004012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	<10.0	10.0	12/07/17 07:25	
Antimony	mg/kg	<3.0	3.0	12/07/17 07:25	
Arsenic	mg/kg	<0.50	0.50	12/07/17 07:25	
Barium	mg/kg	<10.0	10.0	12/07/17 07:25	
Beryllium	mg/kg	<0.25	0.25	12/07/17 07:25	
Cadmium	mg/kg	<0.12	0.12	12/07/17 07:25	
Calcium	mg/kg	<50.0	50.0	12/07/17 07:25	
Chromium	mg/kg	<0.50	0.50	12/07/17 07:25	
Cobalt	mg/kg	<2.5	2.5	12/07/17 07:25	
Copper	mg/kg	<1.2	1.2	12/07/17 07:25	
Iron	mg/kg	<5.0	5.0	12/07/17 07:25	
Lead	mg/kg	<0.25	0.25	12/07/17 07:25	
Magnesium	mg/kg	<50.0	50.0	12/07/17 07:25	
Manganese	mg/kg	<0.75	0.75	12/07/17 07:25	
Nickel	mg/kg	<2.0	2.0	12/07/17 07:25	
Potassium	mg/kg	<250	250	12/07/17 07:25	
Selenium	mg/kg	<0.50	0.50	12/07/17 07:25	
Silver	mg/kg	<0.50	0.50	12/07/17 07:25	
Sodium	mg/kg	<250	250	12/07/17 07:25	
Thallium	mg/kg	<0.50	0.50	12/07/17 07:25	
Vanadium	mg/kg	<2.5	2.5	12/07/17 07:25	
Zinc	mg/kg	<1.0	1.0	12/07/17 07:25	

LABORATORY CONTROL SAMPLE: 226312

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	8000	6220	78	47-152	
Antimony	mg/kg	65.1	51.2	79	1-200	
Arsenic	mg/kg	147	125	85	80-120	
Barium	mg/kg	314	291	93	80-120	
Beryllium	mg/kg	53.4	50.5	95	80-120	
Cadmium	mg/kg	193	180	93	80-120	
Calcium	mg/kg	4580	4300	94	80-120	
Chromium	mg/kg	82.6	68.4	83	80-120	
Cobalt	mg/kg	81.3	81.0	100	80-120	
Copper	mg/kg	171	150	88	80-120	
Iron	mg/kg	14100	10300	73	60-140	
Lead	mg/kg	92.3	80.3	87	80-120	
Magnesium	mg/kg	2240	1970	88	80-120	
Manganese	mg/kg	222	184	83	80-120	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

LABORATORY CONTROL SAMPLE: 226312

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	137	132	96	80-120	
Potassium	mg/kg	2000	1680	84	70-130	
Selenium	mg/kg	187	166	89	80-120	
Silver	mg/kg	40.7	41.4	102	80-120	
Sodium	mg/kg	216	<250	90	72-128	
Thallium	mg/kg	153	144	94	80-120	
Vanadium	mg/kg	86.6	80.8	93	80-120	
Zinc	mg/kg	189	176	93	80-120	

MATRIX SPIKE SAMPLE: 226314

Parameter	Units	7037004005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	6220	257	10300	1570	75-125	M1
Antimony	mg/kg	<3.2	38.5	22.2	58	75-125	M1
Arsenic	mg/kg	5.0	25.7	28.6	92	75-125	
Barium	mg/kg	39.4	25.7	87.3	187	75-125	M1
Beryllium	mg/kg	0.35	2.6	2.9	98	75-125	
Cadmium	mg/kg	0.97	2.6	3.5	97	75-125	
Calcium	mg/kg	20900	1280	23600	214	75-125	M1
Chromium	mg/kg	5.2	12.8	20.8	122	75-125	
Cobalt	mg/kg	7.0	25.7	29.9	89	75-125	
Copper	mg/kg	9.2	12.8	20.9	91	75-125	
Iron	mg/kg	14000	103	17300	3220	75-125	M1
Lead	mg/kg	6.7	25.7	30.2	92	75-125	
Magnesium	mg/kg	6360	1280	8550	171	75-125	M1
Manganese	mg/kg	254	12.8	297	334	75-125	M1
Nickel	mg/kg	11.2	12.8	24.7	105	75-125	
Potassium	mg/kg	947	2570	4240	128	75-125	M1
Selenium	mg/kg	<0.53	38.5	34.3	88	75-125	
Silver	mg/kg	3.4	12.8	15.6	95	75-125	
Sodium	mg/kg	<263	2570	2580	97	75-125	
Thallium	mg/kg	<0.53	38.5	33.3	87	75-125	
Vanadium	mg/kg	12.2	25.7	40.8	111	75-125	
Zinc	mg/kg	36.9	51.4	92.1	108	75-125	

SAMPLE DUPLICATE: 226313

Parameter	Units	7037004005 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	6220	5700	9	
Antimony	mg/kg	<3.2	<3.4		
Arsenic	mg/kg	5.0	6.3	22	D6
Barium	mg/kg	39.4	31.9	21	D6
Beryllium	mg/kg	0.35	0.32	7	
Cadmium	mg/kg	0.97	1.0	4	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

SAMPLE DUPLICATE: 226313

Parameter	Units	7037004005 Result	Dup Result	RPD	Qualifiers
Calcium	mg/kg	20900	28200	30	D6
Chromium	mg/kg	5.2	4.8	8	
Cobalt	mg/kg	7.0	5.7	20	
Copper	mg/kg	9.2	8.3	10	
Iron	mg/kg	14000	14200	2	
Lead	mg/kg	6.7	6.3	5	
Magnesium	mg/kg	6360	8300	27	D6
Manganese	mg/kg	254	253	0	
Nickel	mg/kg	11.2	10.5	6	
Potassium	mg/kg	947	968	2	
Selenium	mg/kg	<0.53	<0.57		
Silver	mg/kg	3.4	3.5	1	
Sodium	mg/kg	<263	<283		
Thallium	mg/kg	<0.53	<0.57		
Vanadium	mg/kg	12.2	12.0	2	
Zinc	mg/kg	36.9	39.0	5	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

QC Batch: 48443 Analysis Method: EPA 8260C
QC Batch Method: EPA 5035A-L Analysis Description: 8260 MSV 5035A-L Low Level
Associated Lab Samples: 7037004001, 7037004002, 7037004003, 7037004004, 7037004007, 7037004009, 7037004010

METHOD BLANK: 225651 Matrix: Solid
Associated Lab Samples: 7037004001, 7037004002, 7037004003, 7037004004, 7037004007, 7037004009, 7037004010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.0	2.0	12/04/17 08:32	
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	12/04/17 08:32	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	12/04/17 08:32	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	12/04/17 08:32	
1,1-Dichloroethane	ug/kg	<2.0	2.0	12/04/17 08:32	
1,1-Dichloroethene	ug/kg	<2.0	2.0	12/04/17 08:32	CL
1,1-Dichloropropene	ug/kg	<2.0	2.0	12/04/17 08:32	
1,2,3-Trichlorobenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
1,2,3-Trichloropropane	ug/kg	<2.0	2.0	12/04/17 08:32	
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
1,2,4-Trimethylbenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	12/04/17 08:32	
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	12/04/17 08:32	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
1,2-Dichloroethane	ug/kg	<2.0	2.0	12/04/17 08:32	
1,2-Dichloropropane	ug/kg	<2.0	2.0	12/04/17 08:32	
1,3,5-Trimethylbenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
1,3-Dichloropropane	ug/kg	<2.0	2.0	12/04/17 08:32	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
2,2-Dichloropropane	ug/kg	<2.0	2.0	12/04/17 08:32	
2-Butanone (MEK)	ug/kg	<2.0	2.0	12/04/17 08:32	
2-Chloroethylvinyl ether	ug/kg	<2.0	2.0	12/04/17 08:32	CL
2-Chlorotoluene	ug/kg	<2.0	2.0	12/04/17 08:32	
2-Hexanone	ug/kg	<2.0	2.0	12/04/17 08:32	
4-Chlorotoluene	ug/kg	<2.0	2.0	12/04/17 08:32	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	12/04/17 08:32	
Acetone	ug/kg	<2.0	2.0	12/04/17 08:32	
Benzene	ug/kg	<2.0	2.0	12/04/17 08:32	
Bromobenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
Bromochloromethane	ug/kg	<2.0	2.0	12/04/17 08:32	
Bromodichloromethane	ug/kg	<2.0	2.0	12/04/17 08:32	
Bromoform	ug/kg	<2.0	2.0	12/04/17 08:32	
Bromomethane	ug/kg	<2.0	2.0	12/04/17 08:32	
Carbon disulfide	ug/kg	<2.0	2.0	12/04/17 08:32	CL
Carbon tetrachloride	ug/kg	<2.0	2.0	12/04/17 08:32	
Chlorobenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
Chloroethane	ug/kg	<2.0	2.0	12/04/17 08:32	CL
Chloroform	ug/kg	<2.0	2.0	12/04/17 08:32	
Chloromethane	ug/kg	<2.0	2.0	12/04/17 08:32	CL
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	12/04/17 08:32	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

METHOD BLANK: 225651

Matrix: Solid

Associated Lab Samples: 7037004001, 7037004002, 7037004003, 7037004004, 7037004007, 7037004009, 7037004010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	12/04/17 08:32	
Dibromochloromethane	ug/kg	<2.0	2.0	12/04/17 08:32	
Dibromomethane	ug/kg	<2.0	2.0	12/04/17 08:32	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	12/04/17 08:32	CL
Ethylbenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
Hexachloro-1,3-butadiene	ug/kg	<2.0	2.0	12/04/17 08:32	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	12/04/17 08:32	
m&p-Xylene	ug/kg	<3.9	3.9	12/04/17 08:32	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	12/04/17 08:32	
Methylene Chloride	ug/kg	<2.0	2.0	12/04/17 08:32	CL
n-Butylbenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
n-Propylbenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
Naphthalene	ug/kg	<2.0	2.0	12/04/17 08:32	
o-Xylene	ug/kg	<2.0	2.0	12/04/17 08:32	
p-Isopropyltoluene	ug/kg	<2.0	2.0	12/04/17 08:32	
sec-Butylbenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
Styrene	ug/kg	<2.0	2.0	12/04/17 08:32	
tert-Butylbenzene	ug/kg	<2.0	2.0	12/04/17 08:32	
Tetrachloroethene	ug/kg	<2.0	2.0	12/04/17 08:32	
Toluene	ug/kg	<2.0	2.0	12/04/17 08:32	
trans-1,2-Dichloroethene	ug/kg	<2.0	2.0	12/04/17 08:32	
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	12/04/17 08:32	
Trichloroethene	ug/kg	<2.0	2.0	12/04/17 08:32	
Trichlorofluoromethane	ug/kg	<2.0	2.0	12/04/17 08:32	
Vinyl acetate	ug/kg	<2.0	2.0	12/04/17 08:32	
Vinyl chloride	ug/kg	<2.0	2.0	12/04/17 08:32	
Xylene (Total)	ug/kg	<3.9	3.9	12/04/17 08:32	
1,2-Dichloroethane-d4 (S)	%	92	33-150	12/04/17 08:32	
4-Bromofluorobenzene (S)	%	103	34-145	12/04/17 08:32	
Toluene-d8 (S)	%	94	43-157	12/04/17 08:32	

LABORATORY CONTROL SAMPLE: 225652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50.6	65.0	128	74-140	
1,1,1-Trichloroethane	ug/kg	50.6	55.9	110	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	50.6	40.7	81	69-132	
1,1,2-Trichloroethane	ug/kg	50.6	37.7	75	73-135	
1,1-Dichloroethane	ug/kg	50.6	41.5	82	53-160	
1,1-Dichloroethene	ug/kg	50.6	51.9	103	47-152	CL
1,1-Dichloropropene	ug/kg	50.6	49.0	97	56-130	
1,2,3-Trichlorobenzene	ug/kg	50.6	63.3	125	48-144	
1,2,3-Trichloropropane	ug/kg	50.6	47.1	93	67-129	
1,2,4-Trichlorobenzene	ug/kg	50.6	62.4	123	52-140	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

LABORATORY CONTROL SAMPLE: 225652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	50.6	49.5	98	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	50.6	48.7	96	57-140	
1,2-Dibromoethane (EDB)	ug/kg	50.6	42.5	84	76-138	
1,2-Dichlorobenzene	ug/kg	50.6	51.3	101	67-125	
1,2-Dichloroethane	ug/kg	50.6	50.9	101	65-143	
1,2-Dichloropropane	ug/kg	50.6	46.3	91	72-131	
1,3,5-Trimethylbenzene	ug/kg	50.6	50.8	100	49-134	
1,3-Dichlorobenzene	ug/kg	50.6	52.7	104	64-124	
1,3-Dichloropropane	ug/kg	50.6	51.7	102	73-130	
1,4-Dichlorobenzene	ug/kg	50.6	51.7	102	61-127	
2,2-Dichloropropane	ug/kg	50.6	50.7	100	55-140	
2-Butanone (MEK)	ug/kg	50.6	36.4	72	52-164	
2-Chloroethylvinyl ether	ug/kg	50.6	16.4	32	43-183	CL,L2
2-Chlorotoluene	ug/kg	50.6	46.5	92	62-125	
2-Hexanone	ug/kg	50.6	43.3	86	66-151	
4-Chlorotoluene	ug/kg	50.6	46.9	93	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.6	31.5	62	63-154	L2
Acetone	ug/kg	50.6	50.7	100	23-196	IH
Benzene	ug/kg	50.6	49.5	98	65-129	
Bromobenzene	ug/kg	50.6	52.4	104	63-130	
Bromochloromethane	ug/kg	50.6	49.8	98	78-136	
Bromodichloromethane	ug/kg	50.6	53.8	106	74-141	
Bromoform	ug/kg	50.6	67.3	133	59-136	
Bromomethane	ug/kg	50.6	76.5	151	32-182	
Carbon disulfide	ug/kg	50.6	50.6	100	26-160	CL
Carbon tetrachloride	ug/kg	50.6	61.6	122	57-135	
Chlorobenzene	ug/kg	50.6	59.9	118	62-136	
Chloroethane	ug/kg	50.6	63.3	125	50-159	CL
Chloroform	ug/kg	50.6	49.2	97	71-135	
Chloromethane	ug/kg	50.6	63.6	126	44-139	CL
cis-1,2-Dichloroethene	ug/kg	50.6	46.8	93	75-130	
cis-1,3-Dichloropropene	ug/kg	50.6	38.3	76	74-140	
Dibromochloromethane	ug/kg	50.6	64.4	127	71-133	
Dibromomethane	ug/kg	50.6	53.7	106	75-136	
Dichlorodifluoromethane	ug/kg	50.6	66.5	131	10-155	CL
Ethylbenzene	ug/kg	50.6	59.9	118	59-135	
Hexachloro-1,3-butadiene	ug/kg	50.6	62.9	124	19-152	
Isopropylbenzene (Cumene)	ug/kg	50.6	48.7	96	56-129	
m&p-Xylene	ug/kg	101	115	114	69-133	
Methyl-tert-butyl ether	ug/kg	50.6	52.6	104	25-171	
Methylene Chloride	ug/kg	50.6	47.9	95	50-164	CL
n-Butylbenzene	ug/kg	50.6	48.2	95	54-121	
n-Propylbenzene	ug/kg	50.6	46.1	91	56-125	
Naphthalene	ug/kg	50.6	52.6	104	55-145	
o-Xylene	ug/kg	50.6	57.4	113	71-135	
p-Isopropyltoluene	ug/kg	50.6	51.5	102	54-126	
sec-Butylbenzene	ug/kg	50.6	49.3	97	50-126	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

LABORATORY CONTROL SAMPLE: 225652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/kg	50.6	59.5	118	73-133	
tert-Butylbenzene	ug/kg	50.6	51.6	102	56-127	
Tetrachloroethene	ug/kg	50.6	65.7	130	10-176	
Toluene	ug/kg	50.6	39.6	78	66-131	
trans-1,2-Dichloroethene	ug/kg	50.6	52.6	104	53-157	
trans-1,3-Dichloropropene	ug/kg	50.6	40.9	81	66-144	
Trichloroethene	ug/kg	50.6	52.8	104	62-130	
Trichlorofluoromethane	ug/kg	50.6	73.1	145	38-166	
Vinyl acetate	ug/kg	50.6	39.9	79	10-155	
Vinyl chloride	ug/kg	50.6	63.5	125	45-137	
Xylene (Total)	ug/kg	152	172	114	62-135	
1,2-Dichloroethane-d4 (S)	%.			92	33-150	
4-Bromofluorobenzene (S)	%.			109	34-145	
Toluene-d8 (S)	%.			98	43-157	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 225654 225655

Parameter	Units	7036852058 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/kg	ND			51.5	54.4				5	
1,1,1-Trichloroethane	ug/kg	ND			50.5	49.2				3	
1,1,2,2-Tetrachloroethane	ug/kg	ND			46.4	47.2				2	
1,1,2-Trichloroethane	ug/kg	ND			44.2	43.2				2	
1,1-Dichloroethane	ug/kg	ND			43.6	43.9				1	
1,1-Dichloroethene	ug/kg	ND			35.5	33.0				7	CL
1,1-Dichloropropene	ug/kg	ND			34.4	32.0				7	
1,2,3-Trichlorobenzene	ug/kg	ND			33.6	33.3				1	
1,2,3-Trichloropropane	ug/kg	ND			52.2	50.6				3	
1,2,4-Trichlorobenzene	ug/kg	ND			28.5	27.4				4	M1
1,2,4-Trimethylbenzene	ug/kg	ND			45.1	41.7				8	
1,2-Dibromo-3-chloropropane	ug/kg	ND			41.1	42.6				4	
1,2-Dibromoethane (EDB)	ug/kg	ND			36.2	36.3				0	M1
1,2-Dichlorobenzene	ug/kg	ND			36.7	35.2				4	M1
1,2-Dichloroethane	ug/kg	ND			40.9	42.2				3	
1,2-Dichloropropane	ug/kg	ND			43.0	41.6				3	
1,3,5-Trimethylbenzene	ug/kg	ND			46.6	45.2				3	
1,3-Dichlorobenzene	ug/kg	ND			32.5	30.6				6	M1
1,3-Dichloropropane	ug/kg	ND			39.3	40.7				4	
1,4-Dichlorobenzene	ug/kg	ND			30.8	28.9				7	M1
2,2-Dichloropropane	ug/kg	ND			47.6	45.3				5	
2-Butanone (MEK)	ug/kg	ND			40.2	39.8				1	
2-Chloroethylvinyl ether	ug/kg	ND			13.0	13.2				2	CL,M0
2-Chlorotoluene	ug/kg	ND			42.0	39.4				6	
2-Hexanone	ug/kg	ND			37.7	39.2				4	
4-Chlorotoluene	ug/kg	ND			34.4	32.7				5	M1

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 225654 225655											
Parameter	Units	7036852058 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Methyl-2-pentanone (MIBK)	ug/kg	ND			44.4	45.6				2	
Acetone	ug/kg	ND			71.8	98.0				31	IH,R1
Benzene	ug/kg	ND			42.6	40.5				5	
Bromobenzene	ug/kg	ND			37.1	34.7				7	
Bromochloromethane	ug/kg	ND			36.0	44.1				20	M1
Bromodichloromethane	ug/kg	ND			43.7	40.8				7	
Bromoform	ug/kg	ND			42.2	42.9				2	
Bromomethane	ug/kg	ND			52.9	39.9				28	R1
Carbon disulfide	ug/kg	ND			41.5	31.5				27	CL,R1
Carbon tetrachloride	ug/kg	ND			53.4	50.0				7	
Chlorobenzene	ug/kg	ND			37.3	37.6				1	
Chloroethane	ug/kg	ND			38.4	28.1				31	CL,R1
Chloroform	ug/kg	ND			34.3	42.3				21	M1,R1
Chloromethane	ug/kg	ND			51.1	50.6				1	CL
cis-1,2-Dichloroethene	ug/kg	ND			41.6	41.9				1	
cis-1,3-Dichloropropene	ug/kg	ND			35.5	33.9				5	M1
Dibromochloromethane	ug/kg	ND			45.5	45.8				1	
Dibromomethane	ug/kg	ND			42.0	42.7				2	
Dichlorodifluoromethane	ug/kg	ND			49.0	48.7				1	CL
Ethylbenzene	ug/kg	ND			39.6	39.9				1	
Hexachloro-1,3-butadiene	ug/kg	ND			40.6	38.0				7	
Isopropylbenzene (Cumene)	ug/kg	ND			47.4	44.5				6	
m&p-Xylene	ug/kg	ND			77.8	76.5				2	
Methyl-tert-butyl ether	ug/kg	ND			50.2	51.4				2	
Methylene Chloride	ug/kg	ND			51.9	51.9				0	CL
n-Butylbenzene	ug/kg	ND			32.4	30.2				7	
n-Propylbenzene	ug/kg	ND			38.4	35.6				8	
Naphthalene	ug/kg	ND			37.1	37.4				1	
o-Xylene	ug/kg	ND			43.5	43.1				1	
p-Isopropyltoluene	ug/kg	ND			42.8	40.1				7	
sec-Butylbenzene	ug/kg	ND			44.4	41.8				6	
Styrene	ug/kg	ND			35.9	35.3				1	M1
tert-Butylbenzene	ug/kg	ND			49.4	47.2				5	
Tetrachloroethene	ug/kg	ND			57.8	57.0				2	
Toluene	ug/kg	ND			39.9	37.6				6	
trans-1,2-Dichloroethene	ug/kg	ND			42.3	41.3				2	
trans-1,3-Dichloropropene	ug/kg	ND			31.8	31.0				2	M1
Trichloroethene	ug/kg	ND			38.2	34.6				10	
Trichlorofluoromethane	ug/kg	ND			45.2	44.5				2	
Vinyl acetate	ug/kg	ND			30.0	30.0				0	
Vinyl chloride	ug/kg	ND			49.6	49.3				1	
Xylene (Total)	ug/kg	ND			121	120				2	
1,2-Dichloroethane-d4 (S)	%						89	87	33-150		
4-Bromofluorobenzene (S)	%						96	98	34-145		
Toluene-d8 (S)	%						98	102	43-157		

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

QC Batch: 49255

Analysis Method: EPA 8260C

QC Batch Method: EPA 5035A-L

Analysis Description: 8260 MSV 5035A-L Low Level

Associated Lab Samples: 7037004008

METHOD BLANK: 229153

Matrix: Solid

Associated Lab Samples: 7037004008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,1-Dichloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,1-Dichloroethene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,1-Dichloropropene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2,3-Trichlorobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2,3-Trichloropropane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2,4-Trimethylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2-Dichloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2-Dichloropropane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,3,5-Trimethylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,3-Dichloropropane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
2,2-Dichloropropane	ug/kg	<2.0	2.0	12/10/17 14:13	
2-Butanone (MEK)	ug/kg	<2.0	2.0	12/10/17 14:13	
2-Chloroethylvinyl ether	ug/kg	<2.0	2.0	12/10/17 14:13	CL
2-Chlorotoluene	ug/kg	<2.0	2.0	12/10/17 14:13	
2-Hexanone	ug/kg	<2.0	2.0	12/10/17 14:13	
4-Chlorotoluene	ug/kg	<2.0	2.0	12/10/17 14:13	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	12/10/17 14:13	
Acetone	ug/kg	<2.0	2.0	12/10/17 14:13	
Benzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Bromobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Bromochloromethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Bromodichloromethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Bromoform	ug/kg	<2.0	2.0	12/10/17 14:13	
Bromomethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Carbon disulfide	ug/kg	<2.0	2.0	12/10/17 14:13	CL
Carbon tetrachloride	ug/kg	<2.0	2.0	12/10/17 14:13	
Chlorobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Chloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Chloroform	ug/kg	<2.0	2.0	12/10/17 14:13	
Chloromethane	ug/kg	<2.0	2.0	12/10/17 14:13	
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	12/10/17 14:13	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

METHOD BLANK: 229153

Matrix: Solid

Associated Lab Samples: 7037004008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	12/10/17 14:13	
Dibromochloromethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Dibromomethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	12/10/17 14:13	CL
Ethylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Hexachloro-1,3-butadiene	ug/kg	<2.0	2.0	12/10/17 14:13	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	12/10/17 14:13	
m&p-Xylene	ug/kg	<4.0	4.0	12/10/17 14:13	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	12/10/17 14:13	
Methylene Chloride	ug/kg	<2.0	2.0	12/10/17 14:13	
n-Butylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
n-Propylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Naphthalene	ug/kg	<2.0	2.0	12/10/17 14:13	
o-Xylene	ug/kg	<2.0	2.0	12/10/17 14:13	
p-Isopropyltoluene	ug/kg	<2.0	2.0	12/10/17 14:13	
sec-Butylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Styrene	ug/kg	<2.0	2.0	12/10/17 14:13	
tert-Butylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Tetrachloroethene	ug/kg	<2.0	2.0	12/10/17 14:13	
Toluene	ug/kg	<2.0	2.0	12/10/17 14:13	
trans-1,2-Dichloroethene	ug/kg	<2.0	2.0	12/10/17 14:13	
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	12/10/17 14:13	
Trichloroethene	ug/kg	<2.0	2.0	12/10/17 14:13	
Trichlorofluoromethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Vinyl acetate	ug/kg	<2.0	2.0	12/10/17 14:13	CL
Vinyl chloride	ug/kg	<2.0	2.0	12/10/17 14:13	
Xylene (Total)	ug/kg	<4.0	4.0	12/10/17 14:13	
1,2-Dichloroethane-d4 (S)	%	106	33-150	12/10/17 14:13	
4-Bromofluorobenzene (S)	%	104	34-145	12/10/17 14:13	CH
Toluene-d8 (S)	%	101	43-157	12/10/17 14:13	

LABORATORY CONTROL SAMPLE: 229154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50.5	54.4	108	74-140	
1,1,1-Trichloroethane	ug/kg	50.5	44.5	88	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	50.5	47.8	95	69-132	
1,1,2-Trichloroethane	ug/kg	50.5	57.3	113	73-135	
1,1-Dichloroethane	ug/kg	50.5	38.6	76	53-160	
1,1-Dichloroethene	ug/kg	50.5	39.4	78	47-152	
1,1-Dichloropropene	ug/kg	50.5	40.8	81	56-130	
1,2,3-Trichlorobenzene	ug/kg	50.5	59.0	117	48-144	
1,2,3-Trichloropropane	ug/kg	50.5	50.6	100	67-129	
1,2,4-Trichlorobenzene	ug/kg	50.5	60.1	119	52-140	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

LABORATORY CONTROL SAMPLE: 229154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	50.5	51.8	103	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	50.5	47.8	95	57-140	
1,2-Dibromoethane (EDB)	ug/kg	50.5	57.2	113	76-138	
1,2-Dichlorobenzene	ug/kg	50.5	50.8	101	67-125	
1,2-Dichloroethane	ug/kg	50.5	46.8	93	65-143	
1,2-Dichloropropane	ug/kg	50.5	56.8	112	72-131	
1,3,5-Trimethylbenzene	ug/kg	50.5	52.6	104	49-134	
1,3-Dichlorobenzene	ug/kg	50.5	52.2	103	64-124	
1,3-Dichloropropane	ug/kg	50.5	52.8	105	73-130	
1,4-Dichlorobenzene	ug/kg	50.5	51.9	103	61-127	
2,2-Dichloropropane	ug/kg	50.5	41.9	83	55-140	
2-Butanone (MEK)	ug/kg	50.5	33.2	66	52-164	
2-Chloroethylvinyl ether	ug/kg	50.5	19.4	38	43-183	CL,IH,L2
2-Chlorotoluene	ug/kg	50.5	50.9	101	62-125	
2-Hexanone	ug/kg	50.5	56.6	112	66-151	
4-Chlorotoluene	ug/kg	50.5	51.2	101	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.5	58.4	116	63-154	
Acetone	ug/kg	50.5	41.9	83	23-196	CH,IH
Benzene	ug/kg	50.5	42.3	84	65-129	
Bromobenzene	ug/kg	50.5	50.6	100	63-130	
Bromochloromethane	ug/kg	50.5	44.2	88	78-136	
Bromodichloromethane	ug/kg	50.5	56.8	113	74-141	
Bromoform	ug/kg	50.5	53.2	105	59-136	CH
Bromomethane	ug/kg	50.5	51.0	101	32-182	
Carbon disulfide	ug/kg	50.5	36.4	72	26-160	CL
Carbon tetrachloride	ug/kg	50.5	48.5	96	57-135	
Chlorobenzene	ug/kg	50.5	53.4	106	62-136	
Chloroethane	ug/kg	50.5	37.2	74	50-159	
Chloroform	ug/kg	50.5	45.4	90	71-135	
Chloromethane	ug/kg	50.5	42.6	84	44-139	
cis-1,2-Dichloroethene	ug/kg	50.5	41.9	83	75-130	
cis-1,3-Dichloropropene	ug/kg	50.5	58.3	115	74-140	
Dibromochloromethane	ug/kg	50.5	55.6	110	71-133	
Dibromomethane	ug/kg	50.5	57.5	114	75-136	
Dichlorodifluoromethane	ug/kg	50.5	31.8	63	10-155	CL
Ethylbenzene	ug/kg	50.5	53.3	106	59-135	
Hexachloro-1,3-butadiene	ug/kg	50.5	56.7	112	19-152	
Isopropylbenzene (Cumene)	ug/kg	50.5	51.9	103	56-129	
m&p-Xylene	ug/kg	101	107	106	69-133	
Methyl-tert-butyl ether	ug/kg	50.5	40.9	81	25-171	
Methylene Chloride	ug/kg	50.5	43.0	85	50-164	
n-Butylbenzene	ug/kg	50.5	53.8	106	54-121	
n-Propylbenzene	ug/kg	50.5	51.3	102	56-125	
Naphthalene	ug/kg	50.5	52.7	104	55-145	
o-Xylene	ug/kg	50.5	53.1	105	71-135	CH
p-Isopropyltoluene	ug/kg	50.5	53.2	105	54-126	
sec-Butylbenzene	ug/kg	50.5	51.8	103	50-126	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

LABORATORY CONTROL SAMPLE: 229154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/kg	50.5	54.3	107	73-133	CH
tert-Butylbenzene	ug/kg	50.5	52.2	103	56-127	
Tetrachloroethene	ug/kg	50.5	54.1	107	10-176	
Toluene	ug/kg	50.5	56.4	112	66-131	
trans-1,2-Dichloroethene	ug/kg	50.5	41.8	83	53-157	
trans-1,3-Dichloropropene	ug/kg	50.5	57.7	114	66-144	
Trichloroethene	ug/kg	50.5	55.0	109	62-130	
Trichlorofluoromethane	ug/kg	50.5	49.5	98	38-166	
Vinyl acetate	ug/kg	50.5	38.3	76	10-155	CL
Vinyl chloride	ug/kg	50.5	48.1	95	45-137	
Xylene (Total)	ug/kg	152	160	106	62-135	
1,2-Dichloroethane-d4 (S)	%.			89	33-150	
4-Bromofluorobenzene (S)	%.			106	34-145	CH
Toluene-d8 (S)	%.			103	43-157	

MATRIX SPIKE SAMPLE: 229156

Parameter	Units	7037146010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.3	56.8	56.4	99	74-140	
1,1,1-Trichloroethane	ug/kg	<2.3	56.8	57.3	101	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	<2.3	56.8	53.1	93	69-132	
1,1,2-Trichloroethane	ug/kg	<2.3	56.8	52.8	93	73-135	
1,1-Dichloroethane	ug/kg	<2.3	56.8	34.7	61	53-160	
1,1-Dichloroethene	ug/kg	<2.3	56.8	43.0	76	47-152	
1,1-Dichloropropene	ug/kg	<2.3	56.8	48.8	86	56-130	
1,2,3-Trichlorobenzene	ug/kg	<2.3	56.8	35.7	63	48-144	
1,2,3-Trichloropropane	ug/kg	<2.3	56.8	56.7	100	67-129	
1,2,4-Trichlorobenzene	ug/kg	<2.3	56.8	34.5	61	52-140	
1,2,4-Trimethylbenzene	ug/kg	<2.3	56.8	49.8	88	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	<2.3	56.8	45.0	79	57-140	
1,2-Dibromoethane (EDB)	ug/kg	<2.3	56.8	48.2	85	76-138	
1,2-Dichlorobenzene	ug/kg	<2.3	56.8	46.4	82	67-125	
1,2-Dichloroethane	ug/kg	<2.3	56.8	52.3	92	65-143	
1,2-Dichloropropane	ug/kg	<2.3	56.8	50.9	89	72-131	
1,3,5-Trimethylbenzene	ug/kg	<2.3	56.8	52.7	93	49-134	
1,3-Dichlorobenzene	ug/kg	<2.3	56.8	44.7	79	64-124	
1,3-Dichloropropane	ug/kg	<2.3	56.8	53.7	94	73-130	
1,4-Dichlorobenzene	ug/kg	<2.3	56.8	42.6	75	61-127	
2,2-Dichloropropane	ug/kg	<2.3	56.8	36.3	64	55-140	
2-Butanone (MEK)	ug/kg	<2.3	56.8	28.8	51	52-164	M1
2-Chloroethylvinyl ether	ug/kg	<2.3	56.8	15.9	28	43-183	CL,IH,M0
2-Chlorotoluene	ug/kg	<2.3	56.8	50.0	88	62-125	
2-Hexanone	ug/kg	<2.3	56.8	47.5	83	66-151	
4-Chlorotoluene	ug/kg	<2.3	56.8	47.1	83	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.3	56.8	48.5	85	63-154	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

MATRIX SPIKE SAMPLE: 229156		7037146010	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Acetone	ug/kg	<2.3	56.8	281	494	23-196	CH,E,IH
Benzene	ug/kg	<2.3	56.8	56.0	98	65-129	
Bromobenzene	ug/kg	<2.3	56.8	50.9	89	63-130	
Bromochloromethane	ug/kg	<2.3	56.8	38.2	67	78-136	M1
Bromodichloromethane	ug/kg	<2.3	56.8	54.4	96	74-141	
Bromoform	ug/kg	<2.3	56.8	51.5	91	59-136	CH
Bromomethane	ug/kg	<2.3	56.8	43.2	76	32-182	
Carbon disulfide	ug/kg	<2.3	56.8	36.4	64	26-160	CL
Carbon tetrachloride	ug/kg	<2.3	56.8	58.6	103	57-135	
Chlorobenzene	ug/kg	<2.3	56.8	49.2	87	62-136	
Chloroethane	ug/kg	<2.3	56.8	43.9	77	50-159	
Chloroform	ug/kg	<2.3	56.8	38.1	67	71-135	M1
Chloromethane	ug/kg	<2.3	56.8	35.8	63	44-139	
cis-1,2-Dichloroethene	ug/kg	<2.3	56.8	34.8	61	75-130	M1
cis-1,3-Dichloropropene	ug/kg	<2.3	56.8	46.6	82	74-140	
Dibromochloromethane	ug/kg	<2.3	56.8	56.8	100	71-133	
Dibromomethane	ug/kg	<2.3	56.8	52.1	92	75-136	
Dichlorodifluoromethane	ug/kg	<2.3	56.8	23.8	42	10-155	CL
Ethylbenzene	ug/kg	<2.3	56.8	50.1	88	59-135	
Hexachloro-1,3-butadiene	ug/kg	<2.3	56.8	33.7	59	19-152	
Isopropylbenzene (Cumene)	ug/kg	<2.3	56.8	54.8	96	56-129	
m&p-Xylene	ug/kg	<4.6	114	97.8	86	69-133	
Methyl-tert-butyl ether	ug/kg	<2.3	56.8	41.1	72	25-171	
Methylene Chloride	ug/kg	<2.3	56.8	42.4	74	50-164	
n-Butylbenzene	ug/kg	<2.3	56.8	43.3	76	54-121	
n-Propylbenzene	ug/kg	<2.3	56.8	50.0	88	56-125	
Naphthalene	ug/kg	<2.3	56.8	37.0	65	55-145	
o-Xylene	ug/kg	<2.3	56.8	50.5	89	71-135	CH
p-Isopropyltoluene	ug/kg	<2.3	56.8	46.9	82	54-126	
sec-Butylbenzene	ug/kg	<2.3	56.8	48.4	85	50-126	
Styrene	ug/kg	<2.3	56.8	47.2	83	73-133	CH
tert-Butylbenzene	ug/kg	<2.3	56.8	50.0	88	56-127	
Tetrachloroethene	ug/kg	<2.3	56.8	67.6	119	10-176	
Toluene	ug/kg	<2.3	56.8	48.2	85	66-131	
trans-1,2-Dichloroethene	ug/kg	<2.3	56.8	36.5	64	53-157	
trans-1,3-Dichloropropene	ug/kg	<2.3	56.8	44.5	78	66-144	
Trichloroethene	ug/kg	<2.3	56.8	45.9	81	62-130	
Trichlorofluoromethane	ug/kg	<2.3	56.8	46.3	81	38-166	
Vinyl acetate	ug/kg	<2.3	56.8	9.6	17	10-155	CL
Vinyl chloride	ug/kg	<2.3	56.8	38.4	68	45-137	
Xylene (Total)	ug/kg	<4.6	170	148	87	62-135	
1,2-Dichloroethane-d4 (S)	%.				111	33-150	
4-Bromofluorobenzene (S)	%.				100	34-145	CH
Toluene-d8 (S)	%.				109	43-157	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

SAMPLE DUPLICATE: 229155

Parameter	Units	7037146001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.2	<2.1		
1,1,1-Trichloroethane	ug/kg	<2.2	<2.1		
1,1,2,2-Tetrachloroethane	ug/kg	<2.2	<2.1		
1,1,2-Trichloroethane	ug/kg	<2.2	<2.1		
1,1-Dichloroethane	ug/kg	<2.2	<2.1		
1,1-Dichloroethene	ug/kg	<2.2	<2.1		
1,1-Dichloropropene	ug/kg	<2.2	<2.1		
1,2,3-Trichlorobenzene	ug/kg	<2.2	<2.1		
1,2,3-Trichloropropane	ug/kg	<2.2	<2.1		
1,2,4-Trichlorobenzene	ug/kg	<2.2	<2.1		
1,2,4-Trimethylbenzene	ug/kg	<2.2	<2.1		
1,2-Dibromo-3-chloropropane	ug/kg	<2.2	<2.1		
1,2-Dibromoethane (EDB)	ug/kg	<2.2	<2.1		
1,2-Dichlorobenzene	ug/kg	<2.2	<2.1		
1,2-Dichloroethane	ug/kg	<2.2	<2.1		
1,2-Dichloropropane	ug/kg	<2.2	<2.1		
1,3,5-Trimethylbenzene	ug/kg	<2.2	<2.1		
1,3-Dichlorobenzene	ug/kg	<2.2	<2.1		
1,3-Dichloropropane	ug/kg	<2.2	<2.1		
1,4-Dichlorobenzene	ug/kg	<2.2	<2.1		
2,2-Dichloropropane	ug/kg	<2.2	<2.1		
2-Butanone (MEK)	ug/kg	<2.2	<2.1		
2-Chloroethylvinyl ether	ug/kg	<2.2	<2.1		CL
2-Chlorotoluene	ug/kg	<2.2	<2.1		
2-Hexanone	ug/kg	<2.2	<2.1		
4-Chlorotoluene	ug/kg	<2.2	<2.1		
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.2	<2.1		
Acetone	ug/kg	<2.2	<2.1		
Benzene	ug/kg	<2.2	<2.1		
Bromobenzene	ug/kg	<2.2	<2.1		
Bromochloromethane	ug/kg	<2.2	<2.1		
Bromodichloromethane	ug/kg	<2.2	<2.1		
Bromoform	ug/kg	<2.2	<2.1		
Bromomethane	ug/kg	<2.2	<2.1		
Carbon disulfide	ug/kg	<2.2	<2.1		CL
Carbon tetrachloride	ug/kg	<2.2	<2.1		
Chlorobenzene	ug/kg	<2.2	<2.1		
Chloroethane	ug/kg	<2.2	<2.1		
Chloroform	ug/kg	<2.2	<2.1		
Chloromethane	ug/kg	<2.2	<2.1		
cis-1,2-Dichloroethene	ug/kg	<2.2	<2.1		
cis-1,3-Dichloropropene	ug/kg	<2.2	<2.1		
Dibromochloromethane	ug/kg	<2.2	<2.1		
Dibromomethane	ug/kg	<2.2	<2.1		
Dichlorodifluoromethane	ug/kg	<2.2	<2.1		CL
Ethylbenzene	ug/kg	<2.2	<2.1		
Hexachloro-1,3-butadiene	ug/kg	<2.2	<2.1		

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

SAMPLE DUPLICATE: 229155

Parameter	Units	7037146001 Result	Dup Result	RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/kg	<2.2	<2.1		
m&p-Xylene	ug/kg	<4.5	<4.3		
Methyl-tert-butyl ether	ug/kg	<2.2	<2.1		
Methylene Chloride	ug/kg	<2.2	<2.1		
n-Butylbenzene	ug/kg	<2.2	<2.1		
n-Propylbenzene	ug/kg	<2.2	<2.1		
Naphthalene	ug/kg	<2.2	<2.1		
o-Xylene	ug/kg	<2.2	<2.1		
p-Isopropyltoluene	ug/kg	<2.2	<2.1		
sec-Butylbenzene	ug/kg	<2.2	<2.1		
Styrene	ug/kg	<2.2	<2.1		
tert-Butylbenzene	ug/kg	<2.2	<2.1		
Tetrachloroethene	ug/kg	<2.2	<2.1		
Toluene	ug/kg	<2.2	<2.1		
trans-1,2-Dichloroethene	ug/kg	<2.2	<2.1		
trans-1,3-Dichloropropene	ug/kg	<2.2	<2.1		
Trichloroethene	ug/kg	<2.2	<2.1		
Trichlorofluoromethane	ug/kg	<2.2	<2.1		
Vinyl acetate	ug/kg	<2.2	<2.1		CL
Vinyl chloride	ug/kg	<2.2	<2.1		
Xylene (Total)	ug/kg	<4.5	<4.3		
1,2-Dichloroethane-d4 (S)	%.	110	105	9	
4-Bromofluorobenzene (S)	%.	103	98	9	CH
Toluene-d8 (S)	%.	105	105	4	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

QC Batch:	48633	Analysis Method:	EPA 8081B
QC Batch Method:	EPA 3545A	Analysis Description:	8081 GCS Pesticides
Associated Lab Samples:	7037004005, 7037004006, 7037004011, 7037004012		

METHOD BLANK:	226248	Matrix:	Solid
Associated Lab Samples:	7037004005, 7037004006, 7037004011, 7037004012		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<3.3	3.3	12/09/17 08:09	
4,4'-DDE	ug/kg	<3.3	3.3	12/09/17 08:09	
4,4'-DDT	ug/kg	<3.3	3.3	12/09/17 08:09	
Aldrin	ug/kg	<1.7	1.7	12/09/17 08:09	
alpha-BHC	ug/kg	<1.7	1.7	12/09/17 08:09	
alpha-Chlordane	ug/kg	<1.7	1.7	12/09/17 08:09	
beta-BHC	ug/kg	<1.7	1.7	12/09/17 08:09	
delta-BHC	ug/kg	<1.7	1.7	12/09/17 08:09	
Dieldrin	ug/kg	<3.3	3.3	12/09/17 08:09	
Endosulfan I	ug/kg	<1.7	1.7	12/09/17 08:09	
Endosulfan II	ug/kg	<3.3	3.3	12/09/17 08:09	
Endosulfan sulfate	ug/kg	<3.3	3.3	12/09/17 08:09	
Endrin	ug/kg	<3.3	3.3	12/09/17 08:09	
Endrin aldehyde	ug/kg	<3.3	3.3	12/09/17 08:09	
Endrin ketone	ug/kg	<3.3	3.3	12/09/17 08:09	
gamma-BHC (Lindane)	ug/kg	<1.7	1.7	12/09/17 08:09	
gamma-Chlordane	ug/kg	<1.7	1.7	12/09/17 08:09	
Heptachlor	ug/kg	<1.7	1.7	12/09/17 08:09	
Heptachlor epoxide	ug/kg	<1.7	1.7	12/09/17 08:09	
Methoxychlor	ug/kg	<17.0	17.0	12/09/17 08:09	
Toxaphene	ug/kg	<170	170	12/09/17 08:09	
Decachlorobiphenyl (S)	%.	65	30-150	12/09/17 08:09	
Tetrachloro-m-xylene (S)	%.	45	30-150	12/09/17 08:09	

LABORATORY CONTROL SAMPLE: 226249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	13.3	10.1	75	57-156	
4,4'-DDE	ug/kg	13.3	8.6	65	52-135	
4,4'-DDT	ug/kg	13.3	9.7	73	54-163	
Aldrin	ug/kg	13.3	7.9	59	49-129	
alpha-BHC	ug/kg	13.3	8.0	60	41-135	
alpha-Chlordane	ug/kg	13.3	8.4	63	43-128	
beta-BHC	ug/kg	13.3	6.7	50	42-158	
delta-BHC	ug/kg	13.3	9.5	71	48-142	
Dieldrin	ug/kg	13.3	9.0	68	57-147	
Endosulfan I	ug/kg	13.3	7.9	59	54-145	
Endosulfan II	ug/kg	13.3	8.6	64	61-137	
Endosulfan sulfate	ug/kg	13.3	10.4	78	51-154	
Endrin	ug/kg	13.3	9.1	68	50-160	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

LABORATORY CONTROL SAMPLE: 226249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin aldehyde	ug/kg	13.3	10.7	80	31-159	
Endrin ketone	ug/kg	13.3	10.3	77	43-171	
gamma-BHC (Lindane)	ug/kg	13.3	8.2	61	39-146	
gamma-Chlordane	ug/kg	13.3	9.5	71	43-134	
Heptachlor	ug/kg	13.3	8.2	62	52-142	
Heptachlor epoxide	ug/kg	13.3	8.8	66	49-128	
Methoxychlor	ug/kg	13.3	<17.0	97	41-188	
Decachlorobiphenyl (S)	%.			78	30-150	
Tetrachloro-m-xylene (S)	%.			53	30-150	

LABORATORY CONTROL SAMPLE: 226250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toxaphene	ug/kg	667	722	108	45-146	
Decachlorobiphenyl (S)	%.			94	30-150	
Tetrachloro-m-xylene (S)	%.			62	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 226293 226294

Parameter	Units	7037004012 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
4,4'-DDD	ug/kg	<3.5	14.2	14.2	9.5	12.0	67	85	57-156	24		
4,4'-DDE	ug/kg	<3.5	14.2	14.2	7.7	10.5	54	74	52-135	30		
4,4'-DDT	ug/kg	<3.5	14.2	14.2	9.2	11.6	65	82	64-127	23		
Aldrin	ug/kg	<1.8	14.2	14.2	7.5	9.8	52	69	35-147	27		
alpha-BHC	ug/kg	<1.8	14.2	14.2	7.8	10.6	55	75	41-135	31	R1	
alpha-Chlordane	ug/kg	<1.8	14.2	14.2	7.7	10	54	70	43-128	26		
beta-BHC	ug/kg	<1.8	14.2	14.2	6.9	8.6	49	61	42-158	22		
delta-BHC	ug/kg	<1.8	14.2	14.2	8.6	11.8	61	83	48-142	31	R1	
Dieldrin	ug/kg	<3.5	14.2	14.2	8.3	11.0	58	77	47-134	28		
Endosulfan I	ug/kg	<1.8	14.2	14.2	7.2	9.9	51	70	54-145	31	M1,R1	
Endosulfan II	ug/kg	<3.5	14.2	14.2	7.7	10.4	54	73	61-137	30	M1	
Endosulfan sulfate	ug/kg	<3.5	14.2	14.2	9.4	12.8	66	90	51-154	31	R1	
Endrin	ug/kg	<3.5	14.2	14.2	8.3	11.3	59	80	37-146	30		
Endrin aldehyde	ug/kg	<3.5	14.2	14.2	8.2	12.0	58	85	31-159	37	R1	
Endrin ketone	ug/kg	<3.5	14.2	14.2	9.3	12.6	65	89	43-171	30		
gamma-BHC (Lindane)	ug/kg	<1.8	14.2	14.2	7.9	10.8	56	76	44-139	31		
gamma-Chlordane	ug/kg	<1.8	14.2	14.2	9.1	11.2	64	79	43-134	21		
Heptachlor	ug/kg	<1.8	14.2	14.2	8.4	10.6	59	75	57-148	23	R1	
Heptachlor epoxide	ug/kg	<1.8	14.2	14.2	8.4	10.7	59	75	49-128	24		
Methoxychlor	ug/kg	<18.1	14.2	14.2	<18.1	<18.1	92	107	41-188			
Toxaphene	ug/kg	<181			<181	<181						
Decachlorobiphenyl (S)	%.						59	86	30-150			
Tetrachloro-m-xylene (S)	%.						44	59	30-150			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

QC Batch: 48632 Analysis Method: EPA 8082A
QC Batch Method: EPA 3545A Analysis Description: 8082 GCS PCB
Associated Lab Samples: 7037004005, 7037004006, 7037004011, 7037004012

METHOD BLANK: 226246 Matrix: Solid
Associated Lab Samples: 7037004005, 7037004006, 7037004011, 7037004012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	12/12/17 01:57	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	12/12/17 01:57	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	12/12/17 01:57	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	12/12/17 01:57	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	12/12/17 01:57	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	12/12/17 01:57	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	12/12/17 01:57	
Decachlorobiphenyl (S)	%.	62	30-150	12/12/17 01:57	
Tetrachloro-m-xylene (S)	%.	76	30-150	12/12/17 01:57	

LABORATORY CONTROL SAMPLE: 226247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	145	87	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	143	86	45-154	
Decachlorobiphenyl (S)	%.			71	30-150	
Tetrachloro-m-xylene (S)	%.			92	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 226291 226292

Parameter	Units	7037004012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<35.2	177	177	152	157	86	89	28-173	3	
PCB-1221 (Aroclor 1221)	ug/kg	<71.4			<71.2	<71.4					
PCB-1232 (Aroclor 1232)	ug/kg	<35.2			<35.1	<35.1					
PCB-1242 (Aroclor 1242)	ug/kg	<35.2			<35.1	<35.1					
PCB-1248 (Aroclor 1248)	ug/kg	<35.2			<35.1	<35.1					
PCB-1254 (Aroclor 1254)	ug/kg	<35.2			<35.1	<35.1					
PCB-1260 (Aroclor 1260)	ug/kg	<35.2	177	177	155	154	87	87	43-138	0	
Decachlorobiphenyl (S)	%.						76	77	30-150		
Tetrachloro-m-xylene (S)	%.						86	81	30-150		

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

QC Batch: 48992 Analysis Method: EPA 8151A
QC Batch Method: EPA 8151A Analysis Description: 8151 GCS Herbicides
Associated Lab Samples: 7037004005, 7037004006, 7037004011, 7037004012

METHOD BLANK: 227958 Matrix: Solid
Associated Lab Samples: 7037004005, 7037004006, 7037004011, 7037004012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/kg	<5.0	5.0	12/08/17 15:41	
2,4,5-TP (Silvex)	ug/kg	<5.0	5.0	12/08/17 15:41	
2,4-D	ug/kg	<10.0	10.0	12/08/17 15:41	
Dicamba	ug/kg	<3.0	3.0	12/08/17 15:41	
2,4-DCAA (S)	%.	58	29-136	12/08/17 15:41	

LABORATORY CONTROL SAMPLE: 227959

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/kg	20	12.5	63	16-136	
2,4,5-TP (Silvex)	ug/kg	20	12.2	61	12-146	
2,4-D	ug/kg	60	36.9	62	25-157	
Dicamba	ug/kg	20	10.2	51	16-136	
2,4-DCAA (S)	%.			66	29-136	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 227960 227961

Parameter	Units	7037004005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-T	ug/kg	<5.3	21.3	21.3	12.4	11.8	58	55	16-136	5	
2,4,5-TP (Silvex)	ug/kg	<5.3	21.3	21.3	12.7	12.3	60	58	12-146	3	
2,4-D	ug/kg	<10.7	63.9	63.9	36.3	33.9	57	53	25-157	7	
Dicamba	ug/kg	<3.2	21.3	21.3	10.2	9.9	48	47	16-136	2	
2,4-DCAA (S)	%.						66	63	29-136		

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

QC Batch: 48699 Analysis Method: EPA 8270D
QC Batch Method: EPA 3545A Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 7037004005, 7037004006, 7037004011, 7037004012

METHOD BLANK: 226687 Matrix: Solid
Associated Lab Samples: 7037004005, 7037004006, 7037004011, 7037004012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	12/07/17 18:41	
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	12/07/17 18:41	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	12/07/17 18:41	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	12/07/17 18:41	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	12/07/17 18:41	
2,4-Dinitrophenol	ug/kg	<67.0	67.0	12/07/17 18:41	CL
2,4-Dinitrotoluene	ug/kg	<330	330	12/07/17 18:41	
2,6-Dinitrotoluene	ug/kg	<330	330	12/07/17 18:41	
2-Chloronaphthalene	ug/kg	<67.0	67.0	12/07/17 18:41	
2-Chlorophenol	ug/kg	<67.0	67.0	12/07/17 18:41	
2-Methylnaphthalene	ug/kg	<67.0	67.0	12/07/17 18:41	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	12/07/17 18:41	
2-Nitroaniline	ug/kg	<330	330	12/07/17 18:41	
2-Nitrophenol	ug/kg	<330	330	12/07/17 18:41	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	12/07/17 18:41	
3,3'-Dichlorobenzidine	ug/kg	<330	330	12/07/17 18:41	
3-Nitroaniline	ug/kg	<330	330	12/07/17 18:41	
4,6-Dinitro-2-methylphenol	ug/kg	<67.0	67.0	12/07/17 18:41	CL
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	12/07/17 18:41	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	12/07/17 18:41	
4-Chloroaniline	ug/kg	<330	330	12/07/17 18:41	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	12/07/17 18:41	
4-Nitroaniline	ug/kg	<330	330	12/07/17 18:41	
4-Nitrophenol	ug/kg	<67.0	67.0	12/07/17 18:41	
Acenaphthene	ug/kg	<67.0	67.0	12/07/17 18:41	
Acenaphthylene	ug/kg	<67.0	67.0	12/07/17 18:41	
Anthracene	ug/kg	<67.0	67.0	12/07/17 18:41	
Benzo(a)anthracene	ug/kg	<67.0	67.0	12/07/17 18:41	
Benzo(a)pyrene	ug/kg	<67.0	67.0	12/07/17 18:41	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	12/07/17 18:41	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	12/07/17 18:41	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	12/07/17 18:41	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	12/07/17 18:41	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	12/07/17 18:41	
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	12/07/17 18:41	
Butylbenzylphthalate	ug/kg	<67.0	67.0	12/07/17 18:41	
Carbazole	ug/kg	<67.0	67.0	12/07/17 18:41	
Chrysene	ug/kg	<67.0	67.0	12/07/17 18:41	
Di-n-butylphthalate	ug/kg	<67.0	67.0	12/07/17 18:41	
Di-n-octylphthalate	ug/kg	<67.0	67.0	12/07/17 18:41	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	12/07/17 18:41	

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

METHOD BLANK: 226687

Matrix: Solid

Associated Lab Samples: 7037004005, 7037004006, 7037004011, 7037004012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenzofuran	ug/kg	<67.0	67.0	12/07/17 18:41	
Diethylphthalate	ug/kg	<67.0	67.0	12/07/17 18:41	
Dimethylphthalate	ug/kg	<67.0	67.0	12/07/17 18:41	
Fluoranthene	ug/kg	<67.0	67.0	12/07/17 18:41	
Fluorene	ug/kg	<67.0	67.0	12/07/17 18:41	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	12/07/17 18:41	
Hexachlorobenzene	ug/kg	<67.0	67.0	12/07/17 18:41	
Hexachlorocyclopentadiene	ug/kg	<330	330	12/07/17 18:41	CL,IC
Hexachloroethane	ug/kg	<67.0	67.0	12/07/17 18:41	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	12/07/17 18:41	
Isophorone	ug/kg	<67.0	67.0	12/07/17 18:41	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	12/07/17 18:41	
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	12/07/17 18:41	
Naphthalene	ug/kg	<67.0	67.0	12/07/17 18:41	
Nitrobenzene	ug/kg	<67.0	67.0	12/07/17 18:41	
Pentachlorophenol	ug/kg	<670	670	12/07/17 18:41	
Phenanthrene	ug/kg	<67.0	67.0	12/07/17 18:41	
Phenol	ug/kg	<67.0	67.0	12/07/17 18:41	
Pyrene	ug/kg	<67.0	67.0	12/07/17 18:41	
1,2-Dichlorobenzene-d4 (S)	%	69	20-130	12/07/17 18:41	
2,4,6-Tribromophenol (S)	%	73	19-122	12/07/17 18:41	
2-Chlorophenol-d4 (S)	%	79	20-130	12/07/17 18:41	
2-Fluorobiphenyl (S)	%	76	30-115	12/07/17 18:41	
2-Fluorophenol (S)	%	77	25-121	12/07/17 18:41	
Nitrobenzene-d5 (S)	%	75	23-120	12/07/17 18:41	
p-Terphenyl-d14 (S)	%	92	18-137	12/07/17 18:41	
Phenol-d5 (S)	%	80	24-113	12/07/17 18:41	

LABORATORY CONTROL SAMPLE: 226688

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1250	75	33-116	
2,4,5-Trichlorophenol	ug/kg	1670	1380	83	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	1350	81	45-110	
2,4-Dichlorophenol	ug/kg	1670	1330	80	41-117	
2,4-Dimethylphenol	ug/kg	1670	1230	74	24-96	
2,4-Dinitrophenol	ug/kg	1670	<670	25	10-80	CL
2,4-Dinitrotoluene	ug/kg	1670	1470	88	49-112	
2,6-Dinitrotoluene	ug/kg	1670	1450	87	50-109	
2-Chloronaphthalene	ug/kg	1670	1300	78	35-107	
2-Chlorophenol	ug/kg	1670	1310	78	36-109	
2-Methylnaphthalene	ug/kg	1670	1300	78	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	1300	78	36-104	
2-Nitroaniline	ug/kg	1670	1330	80	42-118	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

LABORATORY CONTROL SAMPLE: 226688

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitrophenol	ug/kg	1670	1320	79	36-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1200	72	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	1360	81	41-116	
3-Nitroaniline	ug/kg	1670	1070	64	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	<670	27	16-104	CL
4-Bromophenylphenyl ether	ug/kg	1670	1370	82	50-116	
4-Chloro-3-methylphenol	ug/kg	1670	1410	85	45-118	
4-Chloroaniline	ug/kg	1670	1200	72	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	1370	82	48-111	
4-Nitroaniline	ug/kg	1670	1090	65	46-110	
4-Nitrophenol	ug/kg	1670	1380	83	26-118	
Acenaphthene	ug/kg	1670	1340	81	45-109	
Acenaphthylene	ug/kg	1670	1370	82	43-107	
Anthracene	ug/kg	1670	1450	87	50-117	
Benzo(a)anthracene	ug/kg	1670	1530	92	52-116	
Benzo(a)pyrene	ug/kg	1670	1520	91	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1440	86	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	1740	104	30-107	
Benzo(k)fluoranthene	ug/kg	1670	1540	93	54-124	
bis(2-Chloroethoxy)methane	ug/kg	1670	1290	77	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	1340	80	32-116	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1600	96	60-127	
Butylbenzylphthalate	ug/kg	1670	1580	95	54-130	
Carbazole	ug/kg	1670	1510	91	40-120	
Chrysene	ug/kg	1670	1490	89	48-121	
Di-n-butylphthalate	ug/kg	1670	1600	96	53-124	
Di-n-octylphthalate	ug/kg	1670	1570	94	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	1730	104	52-109	
Dibenzofuran	ug/kg	1670	1370	82	48-112	
Diethylphthalate	ug/kg	1670	1430	86	51-114	
Dimethylphthalate	ug/kg	1670	1400	84	49-112	
Fluoranthene	ug/kg	1670	1510	91	45-126	
Fluorene	ug/kg	1670	1380	83	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	1170	70	36-118	
Hexachlorobenzene	ug/kg	1670	1400	84	51-110	
Hexachlorocyclopentadiene	ug/kg	1670	1410	85	10-97	CL,IC,IH
Hexachloroethane	ug/kg	1670	1180	71	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1690	101	50-108	
Isophorone	ug/kg	1670	1340	80	14-129	
N-Nitroso-di-n-propylamine	ug/kg	1670	1310	79	33-109	
N-Nitrosodiphenylamine	ug/kg	1670	1420	85	39-90	
Naphthalene	ug/kg	1670	1310	79	18-142	
Nitrobenzene	ug/kg	1670	1320	79	36-119	
Pentachlorophenol	ug/kg	1670	932	56	22-115	
Phenanthrene	ug/kg	1670	1450	87	47-124	
Phenol	ug/kg	1670	1330	80	38-104	
Pyrene	ug/kg	1670	1490	90	49-132	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

LABORATORY CONTROL SAMPLE: 226688

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%.			68	20-130	
2,4,6-Tribromophenol (S)	%.			79	19-122	
2-Chlorophenol-d4 (S)	%.			79	20-130	
2-Fluorobiphenyl (S)	%.			75	30-115	
2-Fluorophenol (S)	%.			78	25-121	
Nitrobenzene-d5 (S)	%.			75	23-120	
p-Terphenyl-d14 (S)	%.			84	18-137	
Phenol-d5 (S)	%.			79	24-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 226826 226827

Parameter	Units	7037004006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,2'-Oxybis(1-chloropropane)	ug/kg	<72.3	1790	1790	1040	990	58	55	33-116	5	
2,4,5-Trichlorophenol	ug/kg	<72.3	1790	1790	1180	1170	66	65	45-111	1	
2,4,6-Trichlorophenol	ug/kg	<72.3	1790	1790	1050	1100	59	62	45-110	5	
2,4-Dichlorophenol	ug/kg	<72.3	1790	1790	1070	1110	60	62	41-117	4	
2,4-Dimethylphenol	ug/kg	<72.3	1790	1790	169	130	9	7	24-96	26	M1
2,4-Dinitrophenol	ug/kg	<72.3	1790	1790	<719	<721	26	29	10-80		CL
2,4-Dinitrotoluene	ug/kg	<356	1790	1790	1310	1320	73	74	49-112	1	
2,6-Dinitrotoluene	ug/kg	<356	1790	1790	1280	1350	72	75	50-109	5	
2-Chloronaphthalene	ug/kg	<72.3	1790	1790	1140	1170	64	65	35-107	3	
2-Chlorophenol	ug/kg	<72.3	1790	1790	1010	1030	56	58	36-109	2	
2-Methylnaphthalene	ug/kg	<72.3	1790	1790	1120	1120	62	63	31-135	1	
2-Methylphenol(o-Cresol)	ug/kg	<72.3	1790	1790	729	696	41	39	36-104	5	
2-Nitroaniline	ug/kg	<356	1790	1790	1210	1300	68	73	42-118	7	
2-Nitrophenol	ug/kg	<356	1790	1790	1100	1180	61	66	36-117	7	
3&4-Methylphenol(m&p Cresol)	ug/kg	<72.3	1790	1790	830	879	46	49	37-137	6	
3,3'-Dichlorobenzidine	ug/kg	<356	1790	1790	1120	986	62	55	41-116	12	
3-Nitroaniline	ug/kg	<356	1790	1790	1180	1190	66	66	40-95	1	
4,6-Dinitro-2-methylphenol	ug/kg	<72.3	1790	1790	<719	745	34	42	16-104		CL
4-Bromophenylphenyl ether	ug/kg	<72.3	1790	1790	1220	1320	68	73	50-116	8	
4-Chloro-3-methylphenol	ug/kg	<72.3	1790	1790	1130	1240	63	69	45-118	9	
4-Chloroaniline	ug/kg	<356	1790	1790	957	948	53	53	29-88	1	
4-Chlorophenylphenyl ether	ug/kg	<72.3	1790	1790	1200	1250	67	70	48-111	4	
4-Nitroaniline	ug/kg	<356	1790	1790	1200	1210	67	68	46-110	1	
4-Nitrophenol	ug/kg	<72.3	1790	1790	1200	1310	67	73	26-118	8	
Acenaphthene	ug/kg	<72.3	1790	1790	1210	1240	67	69	45-109	2	
Acenaphthylene	ug/kg	<72.3	1790	1790	1230	1230	69	69	43-107	0	
Anthracene	ug/kg	<72.3	1790	1790	1330	1400	74	78	50-117	5	
Benzo(a)anthracene	ug/kg	<72.3	1790	1790	1380	1460	77	81	52-116	6	
Benzo(a)pyrene	ug/kg	<72.3	1790	1790	1400	1460	78	81	56-119	4	
Benzo(b)fluoranthene	ug/kg	<72.3	1790	1790	1350	1410	75	79	45-122	5	
Benzo(g,h,i)perylene	ug/kg	<72.3	1790	1790	1630	1700	91	95	30-107	4	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 226826 226827											
Parameter	Units	7037004006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzo(k)fluoranthene	ug/kg	<72.3	1790	1790	1420	1500	79	84	54-124	5	
bis(2-Chloroethoxy)methane	ug/kg	<72.3	1790	1790	1110	1180	62	66	29-112	6	
bis(2-Chloroethyl) ether	ug/kg	<72.3	1790	1790	979	976	55	54	32-116	0	
bis(2-Ethylhexyl)phthalate	ug/kg	<72.3	1790	1790	1460	1590	82	88	60-127	8	
Butylbenzylphthalate	ug/kg	<72.3	1790	1790	1440	1530	81	86	54-130	6	
Carbazole	ug/kg	<72.3	1790	1790	1350	1420	75	79	40-120	5	
Chrysene	ug/kg	<72.3	1790	1790	1400	1470	78	82	48-121	5	
Di-n-butylphthalate	ug/kg	<72.3	1790	1790	1470	1550	82	87	53-124	6	
Di-n-octylphthalate	ug/kg	<72.3	1790	1790	1480	1550	83	87	46-141	5	
Dibenz(a,h)anthracene	ug/kg	<72.3	1790	1790	1590	1640	89	91	52-109	3	
Dibenzofuran	ug/kg	<72.3	1790	1790	1230	1240	69	69	48-112	0	
Diethylphthalate	ug/kg	<72.3	1790	1790	1280	1330	72	74	51-114	4	
Dimethylphthalate	ug/kg	<72.3	1790	1790	1220	1290	68	72	49-112	5	
Fluoranthene	ug/kg	<72.3	1790	1790	1390	1480	78	83	45-126	6	
Fluorene	ug/kg	<72.3	1790	1790	1240	1280	69	71	47-108	3	
Hexachloro-1,3-butadiene	ug/kg	<72.3	1790	1790	956	859	53	48	36-118	11	
Hexachlorobenzene	ug/kg	<72.3	1790	1790	1260	1310	70	73	51-110	4	
Hexachlorocyclopentadiene	ug/kg	<356	1790	1790	1330	1260	74	70	10-97	6	CL,IC,IH
Hexachloroethane	ug/kg	<72.3	1790	1790	900	767	50	43	34-105	16	
Indeno(1,2,3-cd)pyrene	ug/kg	<72.3	1790	1790	1530	1600	85	89	50-108	5	
Isophorone	ug/kg	<72.3	1790	1790	1130	1210	63	67	14-129	6	
N-Nitroso-di-n-propylamine	ug/kg	<72.3	1790	1790	1100	1190	62	66	33-109	7	
N-Nitrosodiphenylamine	ug/kg	<72.3	1790	1790	955	956	53	53	39-90	0	
Naphthalene	ug/kg	<72.3	1790	1790	1110	1070	62	60	18-142	4	
Nitrobenzene	ug/kg	<72.3	1790	1790	1080	1090	60	61	36-119	0	
Pentachlorophenol	ug/kg	<72.3	1790	1790	923	1000	52	56	22-115	8	
Phenanthrene	ug/kg	<72.3	1790	1790	1300	1380	73	77	47-124	6	
Phenol	ug/kg	<72.3	1790	1790	1060	1120	59	62	38-104	6	
Pyrene	ug/kg	<72.3	1790	1790	1390	1450	78	81	49-132	4	
1,2-Dichlorobenzene-d4 (S)	%						49	39	20-130		
2,4,6-Tribromophenol (S)	%						54	49	19-122		
2-Chlorophenol-d4 (S)	%						59	57	20-130		
2-Fluorobiphenyl (S)	%						62	60	30-115		
2-Fluorophenol (S)	%						57	57	25-121		
Nitrobenzene-d5 (S)	%						59	57	23-120		
p-Terphenyl-d14 (S)	%						72	77	18-137		
Phenol-d5 (S)	%						62	64	24-113		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

QC Batch: 48419

Analysis Method: ASTM D2216-92M

QC Batch Method: ASTM D2216-92M

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 7037004001, 7037004002, 7037004003, 7037004004, 7037004005, 7037004006, 7037004007, 7037004008, 7037004009, 7037004010, 7037004011, 7037004012

SAMPLE DUPLICATE: 225473

Parameter	Units	7037003001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	18.1	16.8	7	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Alco 1368.001.001

Pace Project No.: 7037004

QC Batch: 49231 Analysis Method: EPA 9014 Total Cyanide

QC Batch Method: EPA 9010C Analysis Description: 9014 Total Cyanide

Associated Lab Samples: 7037004005, 7037004006, 7037004011, 7037004012

METHOD BLANK: 229079

Matrix: Solid

Associated Lab Samples: 7037004005, 7037004006, 7037004011, 7037004012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	<0.51	0.51	12/11/17 17:14	

LABORATORY CONTROL SAMPLE: 229080

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	57.7	61.5	107	11-189	

MATRIX SPIKE SAMPLE: 229081

Parameter	Units	7037146005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	<0.54	5.5	4.4	79	75-125	

SAMPLE DUPLICATE: 229082

Parameter	Units	7037146005 Result	Dup Result	RPD	Qualifiers
Cyanide	mg/kg	<0.54	<0.54		

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QUALIFIERS

Project: Alco 1368.001.001
Pace Project No.: 7037004

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: 225654
 [1] Sample not collected according to EPA Method 5035A low level specifications. Results may be biased low.
 Sample: 225655
 [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.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
IC	The initial calibration for this compound was outside of method control limits. The 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.
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.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Alco 1368.001.001

Pace Project No.: 7037004

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7037004005	SC-35	EPA 3545A	48633	EPA 8081B	49054
7037004006	SC-36	EPA 3545A	48633	EPA 8081B	49054
7037004011	SC-37	EPA 3545A	48633	EPA 8081B	49054
7037004012	SC-38	EPA 3545A	48633	EPA 8081B	49054
7037004005	SC-35	EPA 3545A	48632	EPA 8082A	49053
7037004006	SC-36	EPA 3545A	48632	EPA 8082A	49053
7037004011	SC-37	EPA 3545A	48632	EPA 8082A	49053
7037004012	SC-38	EPA 3545A	48632	EPA 8082A	49053
7037004005	SC-35	EPA 8151A	48992	EPA 8151A	49127
7037004006	SC-36	EPA 8151A	48992	EPA 8151A	49127
7037004011	SC-37	EPA 8151A	48992	EPA 8151A	49127
7037004012	SC-38	EPA 8151A	48992	EPA 8151A	49127
7037004005	SC-35	EPA 3050B	48641	EPA 6010C	48757
7037004006	SC-36	EPA 3050B	48641	EPA 6010C	48757
7037004011	SC-37	EPA 3050B	48641	EPA 6010C	48757
7037004012	SC-38	EPA 3050B	48641	EPA 6010C	48757
7037004005	SC-35	EPA 7471B	49100	EPA 7471B	49113
7037004006	SC-36	EPA 7471B	49100	EPA 7471B	49113
7037004011	SC-37	EPA 7471B	49100	EPA 7471B	49113
7037004012	SC-38	EPA 7471B	49100	EPA 7471B	49113
7037004005	SC-35	EPA 3545A	48699	EPA 8270D	48959
7037004006	SC-36	EPA 3545A	48699	EPA 8270D	48959
7037004011	SC-37	EPA 3545A	48699	EPA 8270D	48959
7037004012	SC-38	EPA 3545A	48699	EPA 8270D	48959
7037004001	S-78	EPA 5035A-L	48443	EPA 8260C	48574
7037004002	S-79	EPA 5035A-L	48443	EPA 8260C	48574
7037004003	S-80	EPA 5035A-L	48443	EPA 8260C	48574
7037004004	S-81	EPA 5035A-L	48443	EPA 8260C	48574
7037004007	S-82	EPA 5035A-L	48443	EPA 8260C	48574
7037004008	S-83	EPA 5035A-L	49255	EPA 8260C	49266
7037004009	S-84	EPA 5035A-L	48443	EPA 8260C	48574
7037004010	S-85	EPA 5035A-L	48443	EPA 8260C	48574
7037004001	S-78	ASTM D2216-92M	48419		
7037004002	S-79	ASTM D2216-92M	48419		
7037004003	S-80	ASTM D2216-92M	48419		
7037004004	S-81	ASTM D2216-92M	48419		
7037004005	SC-35	ASTM D2216-92M	48419		
7037004006	SC-36	ASTM D2216-92M	48419		
7037004007	S-82	ASTM D2216-92M	48419		
7037004008	S-83	ASTM D2216-92M	48419		
7037004009	S-84	ASTM D2216-92M	48419		
7037004010	S-85	ASTM D2216-92M	48419		
7037004011	SC-37	ASTM D2216-92M	48419		
7037004012	SC-38	ASTM D2216-92M	48419		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Alco 1368.001.001

Pace Project No.: 7037004

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7037004005	SC-35	EPA 9010C	49231	EPA 9014 Total Cyanide	49291
7037004006	SC-36	EPA 9010C	49231	EPA 9014 Total Cyanide	49291
7037004011	SC-37	EPA 9010C	49231	EPA 9014 Total Cyanide	49291
7037004012	SC-38	EPA 9010C	49231	EPA 9014 Total Cyanide	49291

REPORT OF LABORATORY ANALYSIS

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New York Office
2190 Technology Dr.
Schenectady, NY 12308
(518) 346-4592

CHAIN-OF-CUSTODY / Analytical Request

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

WO#: 7037004



Section A

Required Client Information:

Company:	Barton and Loguidice DPC	Report To:	Andy Barber	Invoice Information:	Accounts Payable
Address:	10 Airline Drive, Suite 200	Copy To:	Nathan Shaffer Corinne S	Company Name:	Barton and Loguidice, DPC
Albany, NY 12205				Address:	443 Electronics Parkway Liverpool NY, 13006
Email To:	nshaffer@bartonandloguidice.com	Purchase Order No.:		Pace Quote Reference:	00014903
Phone:	518-218-1801	Project Name:	ALCO	Pace Project Manager:	Caitlin Panzarella
Requested Due Date/TAT:	Standard	Project Number:	1368.001.001	Pace Profile #:	

Section B

Required Project Information:

Report To:	Andy Barber	Accounts Payable
Copy To:	Nathan Shaffer Corinne S	Company Name:
Address:	443 Electronics Parkway Liverpool NY, 13006	Pace Quote Reference:
Pace Project Manager:	Caitlin Panzarella	Pace Profile #:

Section C

Invoice Information:

Report To:	Andy Barber	Accounts Payable
Copy To:	Nathan Shaffer Corinne S	Company Name:
Address:	443 Electronics Parkway Liverpool NY, 13006	Pace Quote Reference:
Pace Project Manager:	Caitlin Panzarella	Pace Profile #:

Section D		Valid Matrix Codes		COLLECTED		SAMPLE TEMP AT COLLECTION		PRESERVATIVES		Requested		Filtering (Y/N)		SITE		LOCATION		REGULATORY AGENCY	
Required Client Information		MATRIX CODE		COMPOSITE START		COMPOSITE END/GRAB		# OF CONTAINERS		Unpreserved		Ant		SIT		LOC		AG	
SAMPLE ID (A-Z, 0-9 / -)		CODE		DATE		TIME		DATE		TIME		DATE		TIME		DATE		TIME	
Sample IDs MUST BE UNIQUE		G=GRAB C=COMP		DATE		TIME		DATE		TIME		DATE		TIME		DATE		TIME	
1	S-78	SL	G	12/11/17	11:30	12/11/17	11:30	1	X	(See)	X	X	X	X	X	X	X	X	X
2	S-79	SL	G	12/11/17	11:31	12/11/17	11:31	1	X	(See)	X	X	X	X	X	X	X	X	X
3	S-80	SL	G	12/11/17	11:33	12/11/17	11:33	1	X	(See)	X	X	X	X	X	X	X	X	X
4	S-81	SL	G	12/11/17	11:34	12/11/17	11:34	1	X	(See)	X	X	X	X	X	X	X	X	X
5	SC-35	SL	C	12/11/17	11:30	12/11/17	11:30	3	X	(See)	X	X	X	X	X	X	X	X	X
6	SC-36	SL	C	12/11/17	11:33	12/11/17	11:33	3	X	(See)	X	X	X	X	X	X	X	X	X
7	S-82	SL	G	12/11/17	11:35	12/11/17	11:35	1	X	(See)	X	X	X	X	X	X	X	X	X
8	S-83	SL	G	12/11/17	11:37	12/11/17	11:37	1	X	(See)	X	X	X	X	X	X	X	X	X
9	S-84	SL	G	12/11/17	11:40	12/11/17	11:40	1	X	(See)	X	X	X	X	X	X	X	X	X
10	S-85	SL	G	12/11/17	11:41	12/11/17	11:41	1	X	(See)	X	X	X	X	X	X	X	X	X
11	SC-37	SL	C	12/11/17	11:35	12/11/17	11:35	3	X	(See)	X	X	X	X	X	X	X	X	X
12	SC-38	SL	C	12/11/17	11:40	12/11/17	11:40	3	X	(See)	X	X	X	X	X	X	X	X	X

Temp in °C	11.55	11.55	11.55	11.55	11.55	11.55	11.55	11.55	11.55	11.55	11.55	11.55	11.55	11.55	11.55	11.55	11.55	11.55	11.55
Received on	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17
Sealed Cooler	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
Custody	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
Samples Intact	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N

WO#: 7037004

Client Name:

B&L

Project

PM: CNP Due Date: 12/12/17

CLIENT: B&L

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

Tracking #:

40999470-700

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No

Seals intact: ☒ Yes ☐ No

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

Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TH092

Correction Factor: +0.1

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C):

0.9

Cooler Temperature Corrected (°C):

0.9

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents:

01/12/17

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

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

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

F-LI-C-002-rev.01

December 14, 2017

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

RE: Project: ALCO 1386.001.001
Pace Project No.: 7037146

Dear Corinne Steinmuller:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2017. 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
Accounts Payable, Barton and Loguidice



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

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 1386.001.001

Pace Project No.: 7037146

Sample: S-86 **Lab ID: 7037146001** Collected: 12/04/17 09:00 Received: 12/05/17 11:00 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	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	630-20-6	
1,1,1-Trichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	71-55-6	
1,1,2,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	79-34-5	
1,1,2-Trichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	79-00-5	
1,1-Dichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	75-34-3	
1,1-Dichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	75-35-4	
1,1-Dichloropropene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	87-61-6	
1,2,3-Trichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	96-12-8	
1,2-Dibromoethane (EDB)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	106-93-4	
1,2-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	95-50-1	
1,2-Dichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	107-06-2	
1,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	78-87-5	
1,3,5-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	108-67-8	
1,3-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	541-73-1	
1,3-Dichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	142-28-9	
1,4-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	106-46-7	
2,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	594-20-7	
2-Butanone (MEK)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	78-93-3	
2-Chloroethylvinyl ether	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	110-75-8	CL,L2
2-Chlorotoluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	95-49-8	
2-Hexanone	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	591-78-6	
4-Chlorotoluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	108-10-1	
Acetone	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	67-64-1	
Benzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	71-43-2	
Bromobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	108-86-1	
Bromochloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	74-97-5	
Bromodichloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	75-27-4	
Bromoform	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	75-25-2	
Bromomethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	74-83-9	
Carbon disulfide	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	75-15-0	CL
Carbon tetrachloride	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	56-23-5	
Chlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	108-90-7	
Chloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	75-00-3	
Chloroform	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	67-66-3	
Chloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	74-87-3	
Dibromochloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	124-48-1	
Dibromomethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	74-95-3	
Dichlorodifluoromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	75-71-8	CL
Ethylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	100-41-4	
Hexachloro-1,3-butadiene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	87-68-3	
Isopropylbenzene (Cumene)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-86 **Lab ID: 7037146001** Collected: 12/04/17 09:00 Received: 12/05/17 11:00 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								
Methyl-tert-butyl ether	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	1634-04-4	
Methylene Chloride	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	75-09-2	
Naphthalene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	91-20-3	
Styrene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	100-42-5	
Tetrachloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	127-18-4	
Toluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	108-88-3	
Trichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	79-01-6	
Trichlorofluoromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	75-69-4	
Vinyl acetate	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	108-05-4	CL
Vinyl chloride	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	75-01-4	
Xylene (Total)	<4.5	ug/kg	4.5	1	12/10/17 11:01	12/10/17 16:59	1330-20-7	
cis-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	156-59-2	
cis-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	10061-01-5	
m&p-Xylene	<4.5	ug/kg	4.5	1	12/10/17 11:01	12/10/17 16:59	179601-23-1	
n-Butylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	104-51-8	
n-Propylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	103-65-1	
o-Xylene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	95-47-6	
p-Isopropyltoluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	99-87-6	
sec-Butylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	135-98-8	
tert-Butylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	98-06-6	
trans-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	156-60-5	
trans-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 16:59	10061-02-6	
Surrogates								
Toluene-d8 (S)	105	%	43-157	1	12/10/17 11:01	12/10/17 16:59	2037-26-5	
4-Bromofluorobenzene (S)	103	%	34-145	1	12/10/17 11:01	12/10/17 16:59	460-00-4	CH
1,2-Dichloroethane-d4 (S)	110	%	33-150	1	12/10/17 11:01	12/10/17 16:59	17060-07-0	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	8.7	%	0.10	1		12/07/17 00:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-87 **Lab ID: 7037146002** Collected: 12/04/17 09:01 Received: 12/05/17 11:00 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	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	630-20-6	
1,1,1-Trichloroethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	71-55-6	
1,1,2,2-Tetrachloroethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	79-34-5	
1,1,2-Trichloroethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	79-00-5	
1,1-Dichloroethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	75-34-3	
1,1-Dichloroethene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	75-35-4	
1,1-Dichloropropene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	563-58-6	
1,2,3-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	87-61-6	
1,2,3-Trichloropropane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	96-18-4	
1,2,4-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	120-82-1	
1,2,4-Trimethylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	95-63-6	
1,2-Dibromo-3-chloropropane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	96-12-8	
1,2-Dibromoethane (EDB)	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	106-93-4	
1,2-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	95-50-1	
1,2-Dichloroethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	107-06-2	
1,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	78-87-5	
1,3,5-Trimethylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	108-67-8	
1,3-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	541-73-1	
1,3-Dichloropropane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	142-28-9	
1,4-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	106-46-7	
2,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	594-20-7	
2-Butanone (MEK)	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	78-93-3	
2-Chloroethylvinyl ether	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	110-75-8	CL,L2
2-Chlorotoluene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	95-49-8	
2-Hexanone	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	591-78-6	
4-Chlorotoluene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	108-10-1	
Acetone	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	67-64-1	
Benzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	71-43-2	
Bromobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	108-86-1	
Bromochloromethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	74-97-5	
Bromodichloromethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	75-27-4	
Bromoform	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	75-25-2	
Bromomethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	74-83-9	
Carbon disulfide	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	75-15-0	CL
Carbon tetrachloride	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	56-23-5	
Chlorobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	108-90-7	
Chloroethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	75-00-3	
Chloroform	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	67-66-3	
Chloromethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	74-87-3	
Dibromochloromethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	124-48-1	
Dibromomethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	74-95-3	
Dichlorodifluoromethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	75-71-8	CL
Ethylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	100-41-4	
Hexachloro-1,3-butadiene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	87-68-3	
Isopropylbenzene (Cumene)	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-87 **Lab ID: 7037146002** Collected: 12/04/17 09:01 Received: 12/05/17 11:00 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						
Methyl-tert-butyl ether	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	1634-04-4	
Methylene Chloride	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	75-09-2	
Naphthalene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	91-20-3	
Styrene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	100-42-5	
Tetrachloroethene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	127-18-4	
Toluene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	108-88-3	
Trichloroethene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	79-01-6	
Trichlorofluoromethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	75-69-4	
Vinyl acetate	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	108-05-4	CL
Vinyl chloride	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	75-01-4	
Xylene (Total)	<4.6	ug/kg	4.6	1	12/10/17 11:01	12/10/17 17:19	1330-20-7	
cis-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	156-59-2	
cis-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	10061-01-5	
m&p-Xylene	<4.6	ug/kg	4.6	1	12/10/17 11:01	12/10/17 17:19	179601-23-1	
n-Butylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	104-51-8	
n-Propylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	103-65-1	
o-Xylene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	95-47-6	
p-Isopropyltoluene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	99-87-6	
sec-Butylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	135-98-8	
tert-Butylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	98-06-6	
trans-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 17:19	10061-02-6	
Surrogates								
Toluene-d8 (S)	109	%	43-157	1	12/10/17 11:01	12/10/17 17:19	2037-26-5	
4-Bromofluorobenzene (S)	93	%	34-145	1	12/10/17 11:01	12/10/17 17:19	460-00-4	CH
1,2-Dichloroethane-d4 (S)	102	%	33-150	1	12/10/17 11:01	12/10/17 17:19	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	10.0	%	0.10	1	12/07/17 00:17			
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-88 Lab ID: 7037146003 Collected: 12/04/17 09:04 Received: 12/05/17 11:00 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	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	630-20-6	
1,1,1-Trichloroethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	71-55-6	
1,1,2,2-Tetrachloroethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	79-34-5	
1,1,2-Trichloroethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	79-00-5	
1,1-Dichloroethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	75-34-3	
1,1-Dichloroethene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	75-35-4	
1,1-Dichloropropene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	563-58-6	
1,2,3-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	87-61-6	
1,2,3-Trichloropropane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	96-18-4	
1,2,4-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	120-82-1	
1,2,4-Trimethylbenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	95-63-6	
1,2-Dibromo-3-chloropropane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	96-12-8	
1,2-Dibromoethane (EDB)	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	106-93-4	
1,2-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	95-50-1	
1,2-Dichloroethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	107-06-2	
1,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	78-87-5	
1,3,5-Trimethylbenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	108-67-8	
1,3-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	541-73-1	
1,3-Dichloropropane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	142-28-9	
1,4-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	106-46-7	
2,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	594-20-7	
2-Butanone (MEK)	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	78-93-3	
2-Chloroethylvinyl ether	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	110-75-8	CL,L2, M0
2-Chlorotoluene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	95-49-8	
2-Hexanone	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	591-78-6	
4-Chlorotoluene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	108-10-1	
Acetone	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	67-64-1	M1
Benzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	71-43-2	
Bromobenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	108-86-1	
Bromochloromethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	74-97-5	M1
Bromodichloromethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	75-27-4	
Bromoform	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	75-25-2	
Bromomethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	74-83-9	
Carbon disulfide	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	75-15-0	
Carbon tetrachloride	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	56-23-5	
Chlorobenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	108-90-7	
Chloroethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	75-00-3	CL
Chloroform	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	67-66-3	M1
Chloromethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	74-87-3	CL
Dibromochloromethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	124-48-1	
Dibromomethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	74-95-3	
Dichlorodifluoromethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	75-71-8	CL
Ethylbenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	100-41-4	
Hexachloro-1,3-butadiene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	87-68-3	

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-88 **Lab ID: 7037146003** Collected: 12/04/17 09:04 Received: 12/05/17 11:00 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)	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	98-82-8	
Methyl-tert-butyl ether	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	1634-04-4	
Methylene Chloride	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	75-09-2	
Naphthalene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	91-20-3	
Styrene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	100-42-5	
Tetrachloroethene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	127-18-4	
Toluene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	108-88-3	
Trichloroethene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	79-01-6	
Trichlorofluoromethane	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	75-69-4	
Vinyl acetate	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	108-05-4	
Vinyl chloride	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	75-01-4	CL
Xylene (Total)	<4.7	ug/kg	4.7	1	12/12/17 08:28	12/12/17 12:27	1330-20-7	
cis-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	156-59-2	
cis-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	10061-01-5	
m&p-Xylene	<4.7	ug/kg	4.7	1	12/12/17 08:28	12/12/17 12:27	179601-23-1	
n-Butylbenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	104-51-8	
n-Propylbenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	103-65-1	
o-Xylene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	95-47-6	
p-Isopropyltoluene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	99-87-6	
sec-Butylbenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	135-98-8	
tert-Butylbenzene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	98-06-6	
trans-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/12/17 08:28	12/12/17 12:27	10061-02-6	
Surrogates								
Toluene-d8 (S)	109	%	43-157	1	12/12/17 08:28	12/12/17 12:27	2037-26-5	
4-Bromofluorobenzene (S)	98	%	34-145	1	12/12/17 08:28	12/12/17 12:27	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	33-150	1	12/12/17 08:28	12/12/17 12:27	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	9.5	%	0.10	1	12/07/17 00:17
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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-89 **Lab ID: 7037146004** Collected: 12/04/17 09:05 Received: 12/05/17 11:00 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	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	630-20-6	
1,1,1-Trichloroethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	71-55-6	
1,1,2,2-Tetrachloroethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	79-34-5	
1,1,2-Trichloroethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	79-00-5	
1,1-Dichloroethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	75-34-3	
1,1-Dichloroethene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	75-35-4	
1,1-Dichloropropene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	87-61-6	
1,2,3-Trichloropropane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	96-18-4	
1,2,4-Trichlorobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	120-82-1	
1,2,4-Trimethylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	95-63-6	
1,2-Dibromo-3-chloropropane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	96-12-8	
1,2-Dibromoethane (EDB)	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	106-93-4	
1,2-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	95-50-1	
1,2-Dichloroethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	107-06-2	
1,2-Dichloropropane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	78-87-5	
1,3,5-Trimethylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	108-67-8	
1,3-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	541-73-1	
1,3-Dichloropropane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	142-28-9	
1,4-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	106-46-7	
2,2-Dichloropropane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	594-20-7	
2-Butanone (MEK)	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	78-93-3	
2-Chloroethylvinyl ether	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	110-75-8	CL,L2
2-Chlorotoluene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	95-49-8	
2-Hexanone	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	591-78-6	
4-Chlorotoluene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	108-10-1	
Acetone	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	67-64-1	
Benzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	71-43-2	
Bromobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	108-86-1	
Bromochloromethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	74-97-5	
Bromodichloromethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	75-27-4	
Bromoform	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	75-25-2	
Bromomethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	74-83-9	
Carbon disulfide	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	75-15-0	CL
Carbon tetrachloride	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	56-23-5	
Chlorobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	108-90-7	
Chloroethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	75-00-3	
Chloroform	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	67-66-3	
Chloromethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	74-87-3	
Dibromochloromethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	124-48-1	
Dibromomethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	74-95-3	
Dichlorodifluoromethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	75-71-8	CL
Ethylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	87-68-3	
Isopropylbenzene (Cumene)	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-89 **Lab ID: 7037146004** Collected: 12/04/17 09:05 Received: 12/05/17 11:00 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								
Methyl-tert-butyl ether	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	1634-04-4	
Methylene Chloride	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	75-09-2	
Naphthalene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	91-20-3	
Styrene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	100-42-5	
Tetrachloroethene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	127-18-4	
Toluene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	108-88-3	
Trichloroethene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	79-01-6	
Trichlorofluoromethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	75-69-4	
Vinyl acetate	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	108-05-4	CL
Vinyl chloride	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	75-01-4	
Xylene (Total)	<4.3	ug/kg	4.3	1	12/10/17 11:01	12/10/17 18:01	1330-20-7	
cis-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	156-59-2	
cis-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	10061-01-5	
m&p-Xylene	<4.3	ug/kg	4.3	1	12/10/17 11:01	12/10/17 18:01	179601-23-1	
n-Butylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	104-51-8	
n-Propylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	103-65-1	
o-Xylene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	95-47-6	
p-Isopropyltoluene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	99-87-6	
sec-Butylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	135-98-8	
tert-Butylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	98-06-6	
trans-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	156-60-5	
trans-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 18:01	10061-02-6	
Surrogates								
Toluene-d8 (S)	95	%	43-157	1	12/10/17 11:01	12/10/17 18:01	2037-26-5	
4-Bromofluorobenzene (S)	123	%	34-145	1	12/10/17 11:01	12/10/17 18:01	460-00-4	CH
1,2-Dichloroethane-d4 (S)	101	%	33-150	1	12/10/17 11:01	12/10/17 18:01	17060-07-0	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	8.9	%	0.10	1		12/07/17 00:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-39 **Lab ID: 7037146005** Collected: 12/04/17 09:01 Received: 12/05/17 11:00 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
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3545A								
Aldrin	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:30	309-00-2	
alpha-BHC	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:30	319-84-6	
beta-BHC	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:30	319-85-7	
delta-BHC	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:30	319-86-8	
gamma-BHC (Lindane)	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:30	58-89-9	
alpha-Chlordane	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:30	5103-71-9	
gamma-Chlordane	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:30	5103-74-2	
4,4'-DDD	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:30	72-54-8	
4,4'-DDE	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:30	72-55-9	
4,4'-DDT	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:30	50-29-3	1j
Dieldrin	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:30	60-57-1	
Endosulfan I	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:30	959-98-8	
Endosulfan II	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:30	33213-65-9	
Endosulfan sulfate	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:30	1031-07-8	
Endrin	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:30	72-20-8	
Endrin aldehyde	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:30	7421-93-4	
Endrin ketone	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:30	53494-70-5	
Heptachlor	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:30	76-44-8	
Heptachlor epoxide	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:30	1024-57-3	
Methoxychlor	<18.7	ug/kg	18.7	1	12/07/17 14:42	12/11/17 20:30	72-43-5	
Toxaphene	<187	ug/kg	187	1	12/07/17 14:42	12/11/17 20:30	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	44	%	30-150	1	12/07/17 14:42	12/11/17 20:30	877-09-8	
Decachlorobiphenyl (S)	87	%	30-150	1	12/07/17 14:42	12/11/17 20:30	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3545A								
PCB-1016 (Aroclor 1016)	<36.3	ug/kg	36.3	1	12/07/17 14:42	12/12/17 05:09	12674-11-2	
PCB-1221 (Aroclor 1221)	<73.8	ug/kg	73.8	1	12/07/17 14:42	12/12/17 05:09	11104-28-2	
PCB-1232 (Aroclor 1232)	<36.3	ug/kg	36.3	1	12/07/17 14:42	12/12/17 05:09	11141-16-5	
PCB-1242 (Aroclor 1242)	<36.3	ug/kg	36.3	1	12/07/17 14:42	12/12/17 05:09	53469-21-9	
PCB-1248 (Aroclor 1248)	<36.3	ug/kg	36.3	1	12/07/17 14:42	12/12/17 05:09	12672-29-6	
PCB-1254 (Aroclor 1254)	<36.3	ug/kg	36.3	1	12/07/17 14:42	12/12/17 05:09	11097-69-1	
PCB-1260 (Aroclor 1260)	<36.3	ug/kg	36.3	1	12/07/17 14:42	12/12/17 05:09	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	64	%	30-150	1	12/07/17 14:42	12/12/17 05:09	877-09-8	
Decachlorobiphenyl (S)	69	%	30-150	1	12/07/17 14:42	12/12/17 05:09	2051-24-3	
8151 Chlorinated Herbicides Analytical Method: EPA 8151A Preparation Method: EPA 8151A								
2,4-D	<11.0	ug/kg	11.0	1	12/08/17 14:30	12/10/17 14:22	94-75-7	
Dicamba	<3.3	ug/kg	3.3	1	12/08/17 14:30	12/10/17 14:22	1918-00-9	
2,4,5-T	<5.5	ug/kg	5.5	1	12/08/17 14:30	12/10/17 14:22	93-76-5	
2,4,5-TP (Silvex)	<5.5	ug/kg	5.5	1	12/08/17 14:30	12/10/17 14:22	93-72-1	
Surrogates								
2,4-DCAA (S)	68	%	29-136	1	12/08/17 14:30	12/10/17 14:22	19719-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-39 **Lab ID: 7037146005** Collected: 12/04/17 09:01 Received: 12/05/17 11:00 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
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	5450	mg/kg	10.8	1	12/08/17 09:21	12/09/17 00:31	7429-90-5	M1
Antimony	<3.2	mg/kg	3.2	1	12/08/17 09:21	12/09/17 00:31	7440-36-0	M1
Arsenic	6.8	mg/kg	0.54	1	12/08/17 09:21	12/09/17 00:31	7440-38-2	
Barium	29.8	mg/kg	10.8	1	12/08/17 09:21	12/09/17 00:31	7440-39-3	
Beryllium	0.32	mg/kg	0.27	1	12/08/17 09:21	12/09/17 00:31	7440-41-7	
Cadmium	1.0	mg/kg	0.13	1	12/08/17 09:21	12/09/17 00:31	7440-43-9	
Calcium	14700	mg/kg	54.0	1	12/08/17 09:21	12/09/17 00:31	7440-70-2	M1
Chromium	15.6	mg/kg	0.54	1	12/08/17 09:21	12/09/17 00:31	7440-47-3	
Cobalt	8.6	mg/kg	2.7	1	12/08/17 09:21	12/09/17 00:31	7440-48-4	
Copper	18.7	mg/kg	1.3	1	12/08/17 09:21	12/09/17 00:31	7440-50-8	
Iron	14500	mg/kg	5.4	1	12/08/17 09:21	12/09/17 00:31	7439-89-6	M1
Lead	9.0	mg/kg	0.27	1	12/08/17 09:21	12/09/17 00:31	7439-92-1	
Magnesium	4820	mg/kg	54.0	1	12/08/17 09:21	12/09/17 00:31	7439-95-4	
Manganese	376	mg/kg	0.81	1	12/08/17 09:21	12/09/17 00:31	7439-96-5	M1
Nickel	13.6	mg/kg	2.2	1	12/08/17 09:21	12/09/17 00:31	7440-02-0	
Potassium	735	mg/kg	270	1	12/08/17 09:21	12/09/17 00:31	7440-09-7	
Selenium	<0.54	mg/kg	0.54	1	12/08/17 09:21	12/09/17 00:31	7782-49-2	
Silver	3.5	mg/kg	0.54	1	12/08/17 09:21	12/09/17 00:31	7440-22-4	
Sodium	<270	mg/kg	270	1	12/08/17 09:21	12/09/17 00:31	7440-23-5	
Thallium	<0.54	mg/kg	0.54	1	12/08/17 09:21	12/09/17 00:31	7440-28-0	
Vanadium	10.8	mg/kg	2.7	1	12/08/17 09:21	12/09/17 00:31	7440-62-2	
Zinc	48.5	mg/kg	1.1	1	12/08/17 09:21	12/09/17 00:31	7440-66-6	

7471 Mercury

Analytical Method: EPA 7471B Preparation Method: EPA 7471B

Mercury	<0.043	mg/kg	0.043	1	12/08/17 09:23	12/08/17 14:28	7439-97-6	
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

2,2'-Oxybis(1-chloropropane)	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	108-60-1	
2,4,5-Trichlorophenol	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	95-95-4	
2,4,6-Trichlorophenol	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	88-06-2	
2,4-Dichlorophenol	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	120-83-2	
2,4-Dimethylphenol	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	105-67-9	
2,4-Dinitrophenol	<738	ug/kg	738	1	12/06/17 10:30	12/07/17 23:53	51-28-5	CL
2,4-Dinitrotoluene	<363	ug/kg	363	1	12/06/17 10:30	12/07/17 23:53	121-14-2	
2,6-Dinitrotoluene	<363	ug/kg	363	1	12/06/17 10:30	12/07/17 23:53	606-20-2	
2-Chloronaphthalene	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	91-58-7	
2-Chlorophenol	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	95-57-8	
2-Methylnaphthalene	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	91-57-6	
2-Methylphenol(o-Cresol)	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	95-48-7	
2-Nitroaniline	<363	ug/kg	363	1	12/06/17 10:30	12/07/17 23:53	88-74-4	
2-Nitrophenol	<363	ug/kg	363	1	12/06/17 10:30	12/07/17 23:53	88-75-5	
3&4-Methylphenol(m&p Cresol)	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53		
3,3'-Dichlorobenzidine	<363	ug/kg	363	1	12/06/17 10:30	12/07/17 23:53	91-94-1	
3-Nitroaniline	<363	ug/kg	363	1	12/06/17 10:30	12/07/17 23:53	99-09-2	
4,6-Dinitro-2-methylphenol	<738	ug/kg	738	1	12/06/17 10:30	12/07/17 23:53	534-52-1	CL

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001
Pace Project No.: 7037146

Sample: SC-39 **Lab ID: 7037146005** Collected: 12/04/17 09:01 Received: 12/05/17 11:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
4-Bromophenylphenyl ether	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	101-55-3	
4-Chloro-3-methylphenol	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	59-50-7	
4-Chloroaniline	<363	ug/kg	363	1	12/06/17 10:30	12/07/17 23:53	106-47-8	
4-Chlorophenylphenyl ether	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	7005-72-3	
4-Nitroaniline	<363	ug/kg	363	1	12/06/17 10:30	12/07/17 23:53	100-01-6	
4-Nitrophenol	<738	ug/kg	738	1	12/06/17 10:30	12/07/17 23:53	100-02-7	
Acenaphthene	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	83-32-9	
Acenaphthylene	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	208-96-8	
Anthracene	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	120-12-7	
Benzo(a)anthracene	121	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	56-55-3	
Benzo(a)pyrene	124	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	50-32-8	
Benzo(b)fluoranthene	164	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	205-99-2	
Benzo(g,h,i)perylene	110	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	191-24-2	
Benzo(k)fluoranthene	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	207-08-9	
Butylbenzylphthalate	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	85-68-7	
Carbazole	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	86-74-8	
Chrysene	142	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	218-01-9	
Di-n-butylphthalate	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	84-74-2	
Di-n-octylphthalate	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	117-84-0	
Dibenz(a,h)anthracene	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	53-70-3	
Dibenzofuran	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	132-64-9	
Diethylphthalate	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	84-66-2	
Dimethylphthalate	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	131-11-3	
Fluoranthene	219	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	206-44-0	
Fluorene	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	86-73-7	
Hexachloro-1,3-butadiene	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	87-68-3	
Hexachlorobenzene	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	118-74-1	
Hexachlorocyclopentadiene	<363	ug/kg	363	1	12/06/17 10:30	12/07/17 23:53	77-47-4	CL,IC
Hexachloroethane	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	67-72-1	
Indeno(1,2,3-cd)pyrene	105	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	193-39-5	
Isophorone	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	78-59-1	
N-Nitroso-di-n-propylamine	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	621-64-7	
N-Nitrosodiphenylamine	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	86-30-6	
Naphthalene	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	91-20-3	
Nitrobenzene	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	98-95-3	
Pentachlorophenol	<738	ug/kg	738	1	12/06/17 10:30	12/07/17 23:53	87-86-5	
Phenanthrene	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	85-01-8	
Phenol	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	108-95-2	
Pyrene	182	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	129-00-0	
bis(2-Chloroethoxy)methane	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	111-91-1	
bis(2-Chloroethyl) ether	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	111-44-4	
bis(2-Ethylhexyl)phthalate	<73.8	ug/kg	73.8	1	12/06/17 10:30	12/07/17 23:53	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	40	%	23-120	1	12/06/17 10:30	12/07/17 23:53	4165-60-0	
2-Fluorobiphenyl (S)	42	%	30-115	1	12/06/17 10:30	12/07/17 23:53	321-60-8	
p-Terphenyl-d14 (S)	36	%	18-137	1	12/06/17 10:30	12/07/17 23:53	1718-51-0	

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-39 **Lab ID: 7037146005** Collected: 12/04/17 09:01 Received: 12/05/17 11:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Surrogates								
Phenol-d5 (S)	35	%	24-113	1	12/06/17 10:30	12/07/17 23:53	4165-62-2	
2-Fluorophenol (S)	34	%	25-121	1	12/06/17 10:30	12/07/17 23:53	367-12-4	
2,4,6-Tribromophenol (S)	29	%	19-122	1	12/06/17 10:30	12/07/17 23:53	118-79-6	
2-Chlorophenol-d4 (S)	37	%	20-130	1	12/06/17 10:30	12/07/17 23:53	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	31	%	20-130	1	12/06/17 10:30	12/07/17 23:53	2199-69-1	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	9.2	%	0.10	1		12/07/17 00:17		
9014 Cyanide, Total Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
Cyanide	<0.54	mg/kg	0.54	1	12/11/17 09:35	12/11/17 17:17	57-12-5	

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-40 **Lab ID: 7037146006** Collected: 12/04/17 09:05 Received: 12/05/17 11:00 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
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3545A								
Aldrin	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:47	309-00-2	
alpha-BHC	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:47	319-84-6	
beta-BHC	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:47	319-85-7	
delta-BHC	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:47	319-86-8	
gamma-BHC (Lindane)	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:47	58-89-9	
alpha-Chlordane	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:47	5103-71-9	
gamma-Chlordane	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:47	5103-74-2	
4,4'-DDD	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:47	72-54-8	
4,4'-DDE	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:47	72-55-9	
4,4'-DDT	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:47	50-29-3	1j
Dieldrin	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:47	60-57-1	
Endosulfan I	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:47	959-98-8	
Endosulfan II	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:47	33213-65-9	
Endosulfan sulfate	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:47	1031-07-8	
Endrin	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:47	72-20-8	
Endrin aldehyde	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:47	7421-93-4	
Endrin ketone	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 20:47	53494-70-5	
Heptachlor	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:47	76-44-8	
Heptachlor epoxide	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 20:47	1024-57-3	
Methoxychlor	<18.5	ug/kg	18.5	1	12/07/17 14:42	12/11/17 20:47	72-43-5	
Toxaphene	<185	ug/kg	185	1	12/07/17 14:42	12/11/17 20:47	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	46	%	30-150	1	12/07/17 14:42	12/11/17 20:47	877-09-8	
Decachlorobiphenyl (S)	83	%	30-150	1	12/07/17 14:42	12/11/17 20:47	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3545A								
PCB-1016 (Aroclor 1016)	<36.2	ug/kg	36.2	1	12/07/17 14:42	12/12/17 05:22	12674-11-2	
PCB-1221 (Aroclor 1221)	<73.4	ug/kg	73.4	1	12/07/17 14:42	12/12/17 05:22	11104-28-2	
PCB-1232 (Aroclor 1232)	<36.2	ug/kg	36.2	1	12/07/17 14:42	12/12/17 05:22	11141-16-5	
PCB-1242 (Aroclor 1242)	<36.2	ug/kg	36.2	1	12/07/17 14:42	12/12/17 05:22	53469-21-9	
PCB-1248 (Aroclor 1248)	<36.2	ug/kg	36.2	1	12/07/17 14:42	12/12/17 05:22	12672-29-6	
PCB-1254 (Aroclor 1254)	<36.2	ug/kg	36.2	1	12/07/17 14:42	12/12/17 05:22	11097-69-1	
PCB-1260 (Aroclor 1260)	<36.2	ug/kg	36.2	1	12/07/17 14:42	12/12/17 05:22	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	71	%	30-150	1	12/07/17 14:42	12/12/17 05:22	877-09-8	
Decachlorobiphenyl (S)	69	%	30-150	1	12/07/17 14:42	12/12/17 05:22	2051-24-3	
8151 Chlorinated Herbicides Analytical Method: EPA 8151A Preparation Method: EPA 8151A								
2,4-D	<10.9	ug/kg	10.9	1	12/08/17 14:30	12/10/17 15:24	94-75-7	
Dicamba	<3.3	ug/kg	3.3	1	12/08/17 14:30	12/10/17 15:24	1918-00-9	
2,4,5-T	<5.5	ug/kg	5.5	1	12/08/17 14:30	12/10/17 15:24	93-76-5	
2,4,5-TP (Silvex)	<5.5	ug/kg	5.5	1	12/08/17 14:30	12/10/17 15:24	93-72-1	
Surrogates								
2,4-DCAA (S)	70	%	29-136	1	12/08/17 14:30	12/10/17 15:24	19719-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-40 **Lab ID: 7037146006** Collected: 12/04/17 09:05 Received: 12/05/17 11:00 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
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	5220	mg/kg	10.1	1	12/08/17 09:21	12/09/17 00:58	7429-90-5	
Antimony	<3.0	mg/kg	3.0	1	12/08/17 09:21	12/09/17 00:58	7440-36-0	
Arsenic	6.4	mg/kg	0.51	1	12/08/17 09:21	12/09/17 00:58	7440-38-2	
Barium	26.4	mg/kg	10.1	1	12/08/17 09:21	12/09/17 00:58	7440-39-3	
Beryllium	0.27	mg/kg	0.25	1	12/08/17 09:21	12/09/17 00:58	7440-41-7	
Cadmium	0.95	mg/kg	0.13	1	12/08/17 09:21	12/09/17 00:58	7440-43-9	
Calcium	13400	mg/kg	50.6	1	12/08/17 09:21	12/09/17 00:58	7440-70-2	
Chromium	14.5	mg/kg	0.51	1	12/08/17 09:21	12/09/17 00:58	7440-47-3	
Cobalt	7.9	mg/kg	2.5	1	12/08/17 09:21	12/09/17 00:58	7440-48-4	
Copper	17.0	mg/kg	1.3	1	12/08/17 09:21	12/09/17 00:58	7440-50-8	
Iron	13300	mg/kg	5.1	1	12/08/17 09:21	12/09/17 00:58	7439-89-6	
Lead	7.8	mg/kg	0.25	1	12/08/17 09:21	12/09/17 00:58	7439-92-1	
Magnesium	4620	mg/kg	50.6	1	12/08/17 09:21	12/09/17 00:58	7439-95-4	
Manganese	352	mg/kg	0.76	1	12/08/17 09:21	12/09/17 00:58	7439-96-5	
Nickel	12.7	mg/kg	2.0	1	12/08/17 09:21	12/09/17 00:58	7440-02-0	
Potassium	650	mg/kg	253	1	12/08/17 09:21	12/09/17 00:58	7440-09-7	
Selenium	<0.51	mg/kg	0.51	1	12/08/17 09:21	12/09/17 00:58	7782-49-2	
Silver	3.1	mg/kg	0.51	1	12/08/17 09:21	12/09/17 00:58	7440-22-4	
Sodium	<253	mg/kg	253	1	12/08/17 09:21	12/09/17 00:58	7440-23-5	
Thallium	<0.51	mg/kg	0.51	1	12/08/17 09:21	12/09/17 00:58	7440-28-0	
Vanadium	9.2	mg/kg	2.5	1	12/08/17 09:21	12/09/17 00:58	7440-62-2	
Zinc	45.2	mg/kg	1.0	1	12/08/17 09:21	12/09/17 00:58	7440-66-6	

7471 Mercury

Analytical Method: EPA 7471B Preparation Method: EPA 7471B

Mercury	<0.042	mg/kg	0.042	1	12/08/17 09:23	12/08/17 14:30	7439-97-6	
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

2,2'-Oxybis(1-chloropropane)	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	108-60-1	
2,4,5-Trichlorophenol	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	95-95-4	
2,4,6-Trichlorophenol	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	88-06-2	
2,4-Dichlorophenol	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	120-83-2	
2,4-Dimethylphenol	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	105-67-9	
2,4-Dinitrophenol	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	51-28-5	CL
2,4-Dinitrotoluene	<362	ug/kg	362	1	12/06/17 10:30	12/08/17 00:21	121-14-2	
2,6-Dinitrotoluene	<362	ug/kg	362	1	12/06/17 10:30	12/08/17 00:21	606-20-2	
2-Chloronaphthalene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	91-58-7	
2-Chlorophenol	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	95-57-8	
2-Methylnaphthalene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	91-57-6	
2-Methylphenol(o-Cresol)	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	95-48-7	
2-Nitroaniline	<362	ug/kg	362	1	12/06/17 10:30	12/08/17 00:21	88-74-4	
2-Nitrophenol	<362	ug/kg	362	1	12/06/17 10:30	12/08/17 00:21	88-75-5	
3&4-Methylphenol(m&p Cresol)	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21		
3,3'-Dichlorobenzidine	<362	ug/kg	362	1	12/06/17 10:30	12/08/17 00:21	91-94-1	
3-Nitroaniline	<362	ug/kg	362	1	12/06/17 10:30	12/08/17 00:21	99-09-2	
4,6-Dinitro-2-methylphenol	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	534-52-1	CL

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-40 **Lab ID: 7037146006** Collected: 12/04/17 09:05 Received: 12/05/17 11:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
4-Bromophenylphenyl ether	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	101-55-3	
4-Chloro-3-methylphenol	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	59-50-7	
4-Chloroaniline	<362	ug/kg	362	1	12/06/17 10:30	12/08/17 00:21	106-47-8	
4-Chlorophenylphenyl ether	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	7005-72-3	
4-Nitroaniline	<362	ug/kg	362	1	12/06/17 10:30	12/08/17 00:21	100-01-6	
4-Nitrophenol	<734	ug/kg	734	1	12/06/17 10:30	12/08/17 00:21	100-02-7	
Acenaphthene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	83-32-9	
Acenaphthylene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	208-96-8	
Anthracene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	120-12-7	
Benzo(a)anthracene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	56-55-3	
Benzo(a)pyrene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	50-32-8	
Benzo(b)fluoranthene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	205-99-2	
Benzo(g,h,i)perylene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	191-24-2	
Benzo(k)fluoranthene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	207-08-9	
Butylbenzylphthalate	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	85-68-7	
Carbazole	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	86-74-8	
Chrysene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	218-01-9	
Di-n-butylphthalate	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	84-74-2	
Di-n-octylphthalate	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	117-84-0	
Dibenz(a,h)anthracene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	53-70-3	
Dibenzofuran	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	132-64-9	
Diethylphthalate	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	84-66-2	
Dimethylphthalate	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	131-11-3	
Fluoranthene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	206-44-0	
Fluorene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	86-73-7	
Hexachloro-1,3-butadiene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	87-68-3	
Hexachlorobenzene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	118-74-1	
Hexachlorocyclopentadiene	<362	ug/kg	362	1	12/06/17 10:30	12/08/17 00:21	77-47-4	CL,IC
Hexachloroethane	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	67-72-1	
Indeno(1,2,3-cd)pyrene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	193-39-5	
Isophorone	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	78-59-1	
N-Nitroso-di-n-propylamine	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	621-64-7	
N-Nitrosodiphenylamine	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	86-30-6	
Naphthalene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	91-20-3	
Nitrobenzene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	98-95-3	
Pentachlorophenol	<734	ug/kg	734	1	12/06/17 10:30	12/08/17 00:21	87-86-5	
Phenanthrene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	85-01-8	
Phenol	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	108-95-2	
Pyrene	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	129-00-0	
bis(2-Chloroethoxy)methane	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	111-91-1	
bis(2-Chloroethyl) ether	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	111-44-4	
bis(2-Ethylhexyl)phthalate	<73.4	ug/kg	73.4	1	12/06/17 10:30	12/08/17 00:21	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	65	%	23-120	1	12/06/17 10:30	12/08/17 00:21	4165-60-0	
2-Fluorobiphenyl (S)	70	%	30-115	1	12/06/17 10:30	12/08/17 00:21	321-60-8	
p-Terphenyl-d14 (S)	78	%	18-137	1	12/06/17 10:30	12/08/17 00:21	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-40 **Lab ID: 7037146006** Collected: 12/04/17 09:05 Received: 12/05/17 11:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Surrogates								
Phenol-d5 (S)	71	%	24-113	1	12/06/17 10:30	12/08/17 00:21	4165-62-2	
2-Fluorophenol (S)	63	%	25-121	1	12/06/17 10:30	12/08/17 00:21	367-12-4	
2,4,6-Tribromophenol (S)	65	%	19-122	1	12/06/17 10:30	12/08/17 00:21	118-79-6	
2-Chlorophenol-d4 (S)	67	%	20-130	1	12/06/17 10:30	12/08/17 00:21	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	59	%	20-130	1	12/06/17 10:30	12/08/17 00:21	2199-69-1	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	8.7	%	0.10	1		12/07/17 00:17		
9014 Cyanide, Total Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
Cyanide	<0.55	mg/kg	0.55	1	12/11/17 09:35	12/11/17 17:17	57-12-5	

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-90 **Lab ID: 7037146007** Collected: 12/04/17 09:10 Received: 12/05/17 11:00 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	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	630-20-6	
1,1,1-Trichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	71-55-6	
1,1,2,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	79-34-5	
1,1,2-Trichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	79-00-5	
1,1-Dichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	75-34-3	
1,1-Dichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	75-35-4	
1,1-Dichloropropene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	87-61-6	
1,2,3-Trichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	96-12-8	
1,2-Dibromoethane (EDB)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	106-93-4	
1,2-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	95-50-1	
1,2-Dichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	107-06-2	
1,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	78-87-5	
1,3,5-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	108-67-8	
1,3-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	541-73-1	
1,3-Dichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	142-28-9	
1,4-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	106-46-7	
2,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	594-20-7	
2-Butanone (MEK)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	78-93-3	
2-Chloroethylvinyl ether	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	110-75-8	CL,L2
2-Chlorotoluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	95-49-8	
2-Hexanone	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	591-78-6	
4-Chlorotoluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	108-10-1	
Acetone	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	67-64-1	
Benzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	71-43-2	
Bromobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	108-86-1	
Bromochloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	74-97-5	
Bromodichloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	75-27-4	
Bromoform	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	75-25-2	
Bromomethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	74-83-9	
Carbon disulfide	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	75-15-0	CL
Carbon tetrachloride	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	56-23-5	
Chlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	108-90-7	
Chloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	75-00-3	
Chloroform	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	67-66-3	
Chloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	74-87-3	
Dibromochloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	124-48-1	
Dibromomethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	74-95-3	
Dichlorodifluoromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	75-71-8	CL
Ethylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	100-41-4	
Hexachloro-1,3-butadiene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	87-68-3	
Isopropylbenzene (Cumene)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-90 **Lab ID: 7037146007** Collected: 12/04/17 09:10 Received: 12/05/17 11:00 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						
Methyl-tert-butyl ether	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	1634-04-4	
Methylene Chloride	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	75-09-2	
Naphthalene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	91-20-3	
Styrene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	100-42-5	
Tetrachloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	127-18-4	
Toluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	108-88-3	
Trichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	79-01-6	
Trichlorofluoromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	75-69-4	
Vinyl acetate	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	108-05-4	CL
Vinyl chloride	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	75-01-4	
Xylene (Total)	<4.4	ug/kg	4.4	1	12/10/17 11:01	12/10/17 18:21	1330-20-7	
cis-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	156-59-2	
cis-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	10061-01-5	
m&p-Xylene	<4.4	ug/kg	4.4	1	12/10/17 11:01	12/10/17 18:21	179601-23-1	
n-Butylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	104-51-8	
n-Propylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	103-65-1	
o-Xylene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	95-47-6	
p-Isopropyltoluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	99-87-6	
sec-Butylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	135-98-8	
tert-Butylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	98-06-6	
trans-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	156-60-5	
trans-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:21	10061-02-6	
Surrogates								
Toluene-d8 (S)	109	%	43-157	1	12/10/17 11:01	12/10/17 18:21	2037-26-5	
4-Bromofluorobenzene (S)	93	%	34-145	1	12/10/17 11:01	12/10/17 18:21	460-00-4	CH
1,2-Dichloroethane-d4 (S)	102	%	33-150	1	12/10/17 11:01	12/10/17 18:21	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	9.8	%	0.10	1	12/07/17 00:17			
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-91 **Lab ID: 7037146008** Collected: 12/04/17 09:12 Received: 12/05/17 11:00 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	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	630-20-6	
1,1,1-Trichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	71-55-6	
1,1,2,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	79-34-5	
1,1,2-Trichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	79-00-5	
1,1-Dichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	75-34-3	
1,1-Dichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	75-35-4	
1,1-Dichloropropene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	87-61-6	
1,2,3-Trichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	96-12-8	
1,2-Dibromoethane (EDB)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	106-93-4	
1,2-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	95-50-1	
1,2-Dichloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	107-06-2	
1,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	78-87-5	
1,3,5-Trimethylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	108-67-8	
1,3-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	541-73-1	
1,3-Dichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	142-28-9	
1,4-Dichlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	106-46-7	
2,2-Dichloropropane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	594-20-7	
2-Butanone (MEK)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	78-93-3	
2-Chloroethylvinyl ether	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	110-75-8	CL,L2
2-Chlorotoluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	95-49-8	
2-Hexanone	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	591-78-6	
4-Chlorotoluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	108-10-1	
Acetone	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	67-64-1	
Benzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	71-43-2	
Bromobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	108-86-1	
Bromochloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	74-97-5	
Bromodichloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	75-27-4	
Bromoform	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	75-25-2	
Bromomethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	74-83-9	
Carbon disulfide	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	75-15-0	CL
Carbon tetrachloride	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	56-23-5	
Chlorobenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	108-90-7	
Chloroethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	75-00-3	
Chloroform	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	67-66-3	
Chloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	74-87-3	
Dibromochloromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	124-48-1	
Dibromomethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	74-95-3	
Dichlorodifluoromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	75-71-8	CL
Ethylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	100-41-4	
Hexachloro-1,3-butadiene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	87-68-3	
Isopropylbenzene (Cumene)	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	98-82-8	

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-91 **Lab ID: 7037146008** Collected: 12/04/17 09:12 Received: 12/05/17 11:00 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								
Methyl-tert-butyl ether	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	1634-04-4	
Methylene Chloride	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	75-09-2	
Naphthalene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	91-20-3	
Styrene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	100-42-5	
Tetrachloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	127-18-4	
Toluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	108-88-3	
Trichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	79-01-6	
Trichlorofluoromethane	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	75-69-4	
Vinyl acetate	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	108-05-4	CL
Vinyl chloride	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	75-01-4	
Xylene (Total)	<4.4	ug/kg	4.4	1	12/10/17 11:01	12/10/17 18:42	1330-20-7	
cis-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	156-59-2	
cis-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	10061-01-5	
m&p-Xylene	<4.4	ug/kg	4.4	1	12/10/17 11:01	12/10/17 18:42	179601-23-1	
n-Butylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	104-51-8	
n-Propylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	103-65-1	
o-Xylene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	95-47-6	
p-Isopropyltoluene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	99-87-6	
sec-Butylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	135-98-8	
tert-Butylbenzene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	98-06-6	
trans-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	156-60-5	
trans-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	12/10/17 11:01	12/10/17 18:42	10061-02-6	
Surrogates								
Toluene-d8 (S)	110	%	43-157	1	12/10/17 11:01	12/10/17 18:42	2037-26-5	
4-Bromofluorobenzene (S)	96	%	34-145	1	12/10/17 11:01	12/10/17 18:42	460-00-4	CH
1,2-Dichloroethane-d4 (S)	105	%	33-150	1	12/10/17 11:01	12/10/17 18:42	17060-07-0	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	9.4	%	0.10	1		12/07/17 00:18		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-92 **Lab ID: 7037146009** Collected: 12/04/17 09:13 Received: 12/05/17 11:00 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	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	630-20-6	
1,1,1-Trichloroethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	71-55-6	
1,1,2,2-Tetrachloroethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	79-34-5	
1,1,2-Trichloroethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	79-00-5	
1,1-Dichloroethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	75-34-3	
1,1-Dichloroethene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	75-35-4	
1,1-Dichloropropene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	87-61-6	
1,2,3-Trichloropropane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	96-18-4	
1,2,4-Trichlorobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	120-82-1	
1,2,4-Trimethylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	95-63-6	
1,2-Dibromo-3-chloropropane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	96-12-8	
1,2-Dibromoethane (EDB)	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	106-93-4	
1,2-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	95-50-1	
1,2-Dichloroethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	107-06-2	
1,2-Dichloropropane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	78-87-5	
1,3,5-Trimethylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	108-67-8	
1,3-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	541-73-1	
1,3-Dichloropropane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	142-28-9	
1,4-Dichlorobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	106-46-7	
2,2-Dichloropropane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	594-20-7	
2-Butanone (MEK)	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	78-93-3	
2-Chloroethylvinyl ether	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	110-75-8	CL,L2
2-Chlorotoluene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	95-49-8	
2-Hexanone	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	591-78-6	
4-Chlorotoluene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	108-10-1	
Acetone	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	67-64-1	
Benzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	71-43-2	
Bromobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	108-86-1	
Bromochloromethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	74-97-5	
Bromodichloromethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	75-27-4	
Bromoform	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	75-25-2	
Bromomethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	74-83-9	
Carbon disulfide	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	75-15-0	CL
Carbon tetrachloride	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	56-23-5	
Chlorobenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	108-90-7	
Chloroethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	75-00-3	
Chloroform	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	67-66-3	
Chloromethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	74-87-3	
Dibromochloromethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	124-48-1	
Dibromomethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	74-95-3	
Dichlorodifluoromethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	75-71-8	CL
Ethylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	87-68-3	
Isopropylbenzene (Cumene)	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-92 **Lab ID: 7037146009** Collected: 12/04/17 09:13 Received: 12/05/17 11:00 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								
Methyl-tert-butyl ether	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	1634-04-4	
Methylene Chloride	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	75-09-2	
Naphthalene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	91-20-3	
Styrene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	100-42-5	
Tetrachloroethene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	127-18-4	
Toluene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	108-88-3	
Trichloroethene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	79-01-6	
Trichlorofluoromethane	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	75-69-4	
Vinyl acetate	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	108-05-4	CL
Vinyl chloride	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	75-01-4	
Xylene (Total)	<4.3	ug/kg	4.3	1	12/10/17 11:01	12/10/17 19:03	1330-20-7	
cis-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	156-59-2	
cis-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	10061-01-5	
m&p-Xylene	<4.3	ug/kg	4.3	1	12/10/17 11:01	12/10/17 19:03	179601-23-1	
n-Butylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	104-51-8	
n-Propylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	103-65-1	
o-Xylene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	95-47-6	
p-Isopropyltoluene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	99-87-6	
sec-Butylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	135-98-8	
tert-Butylbenzene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	98-06-6	
trans-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	156-60-5	
trans-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	12/10/17 11:01	12/10/17 19:03	10061-02-6	
Surrogates								
Toluene-d8 (S)	107	%	43-157	1	12/10/17 11:01	12/10/17 19:03	2037-26-5	
4-Bromofluorobenzene (S)	96	%	34-145	1	12/10/17 11:01	12/10/17 19:03	460-00-4	CH
1,2-Dichloroethane-d4 (S)	104	%	33-150	1	12/10/17 11:01	12/10/17 19:03	17060-07-0	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	9.7	%	0.10	1		12/07/17 00:18		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-93 Lab ID: 7037146010 Collected: 12/04/17 09:15 Received: 12/05/17 11:00 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	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	630-20-6	
1,1,1-Trichloroethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	71-55-6	
1,1,2,2-Tetrachloroethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	79-34-5	
1,1,2-Trichloroethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	79-00-5	
1,1-Dichloroethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	75-34-3	
1,1-Dichloroethene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	75-35-4	
1,1-Dichloropropene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	563-58-6	
1,2,3-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	87-61-6	
1,2,3-Trichloropropane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	96-18-4	
1,2,4-Trichlorobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	120-82-1	
1,2,4-Trimethylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	95-63-6	
1,2-Dibromo-3-chloropropane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	96-12-8	
1,2-Dibromoethane (EDB)	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	106-93-4	
1,2-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	95-50-1	
1,2-Dichloroethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	107-06-2	
1,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	78-87-5	
1,3,5-Trimethylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	108-67-8	
1,3-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	541-73-1	
1,3-Dichloropropane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	142-28-9	
1,4-Dichlorobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	106-46-7	
2,2-Dichloropropane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	594-20-7	
2-Butanone (MEK)	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	78-93-3	M1
2-Chloroethylvinyl ether	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	110-75-8	CL,L2, M0
2-Chlorotoluene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	95-49-8	
2-Hexanone	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	591-78-6	
4-Chlorotoluene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	108-10-1	
Acetone	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	67-64-1	
Benzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	71-43-2	
Bromobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	108-86-1	
Bromochloromethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	74-97-5	M1
Bromodichloromethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	75-27-4	
Bromoform	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	75-25-2	
Bromomethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	74-83-9	
Carbon disulfide	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	75-15-0	CL
Carbon tetrachloride	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	56-23-5	
Chlorobenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	108-90-7	
Chloroethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	75-00-3	
Chloroform	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	67-66-3	M1
Chloromethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	74-87-3	
Dibromochloromethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	124-48-1	
Dibromomethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	74-95-3	
Dichlorodifluoromethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	75-71-8	CL
Ethylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	100-41-4	
Hexachloro-1,3-butadiene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: S-93 **Lab ID: 7037146010** Collected: 12/04/17 09:15 Received: 12/05/17 11:00 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)	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	98-82-8	
Methyl-tert-butyl ether	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	1634-04-4	
Methylene Chloride	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	75-09-2	
Naphthalene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	91-20-3	
Styrene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	100-42-5	
Tetrachloroethene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	127-18-4	
Toluene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	108-88-3	
Trichloroethene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	79-01-6	
Trichlorofluoromethane	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	75-69-4	
Vinyl acetate	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	108-05-4	CL
Vinyl chloride	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	75-01-4	
Xylene (Total)	<4.6	ug/kg	4.6	1	12/10/17 11:01	12/10/17 19:24	1330-20-7	
cis-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	156-59-2	M1
cis-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	10061-01-5	
m&p-Xylene	<4.6	ug/kg	4.6	1	12/10/17 11:01	12/10/17 19:24	179601-23-1	
n-Butylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	104-51-8	
n-Propylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	103-65-1	
o-Xylene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	95-47-6	
p-Isopropyltoluene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	99-87-6	
sec-Butylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	135-98-8	
tert-Butylbenzene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	98-06-6	
trans-1,2-Dichloroethene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	156-60-5	
trans-1,3-Dichloropropene	<2.3	ug/kg	2.3	1	12/10/17 11:01	12/10/17 19:24	10061-02-6	
Surrogates								
Toluene-d8 (S)	105	%	43-157	1	12/10/17 11:01	12/10/17 19:24	2037-26-5	
4-Bromofluorobenzene (S)	97	%	34-145	1	12/10/17 11:01	12/10/17 19:24	460-00-4	CH
1,2-Dichloroethane-d4 (S)	102	%	33-150	1	12/10/17 11:01	12/10/17 19:24	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	9.6	%	0.10	1	12/07/17 00:18
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-41 **Lab ID: 7037146011** Collected: 12/04/17 09:12 Received: 12/05/17 11:00 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
8081 GCS Pesticides		Analytical Method: EPA 8081B Preparation Method: EPA 3545A						
Aldrin	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:05	309-00-2	
alpha-BHC	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:05	319-84-6	
beta-BHC	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:05	319-85-7	
delta-BHC	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:05	319-86-8	
gamma-BHC (Lindane)	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:05	58-89-9	
alpha-Chlordane	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:05	5103-71-9	
gamma-Chlordane	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:05	5103-74-2	
4,4'-DDD	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:05	72-54-8	
4,4'-DDE	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:05	72-55-9	
4,4'-DDT	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:05	50-29-3	1j
Dieldrin	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:05	60-57-1	
Endosulfan I	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:05	959-98-8	
Endosulfan II	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:05	33213-65-9	
Endosulfan sulfate	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:05	1031-07-8	
Endrin	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:05	72-20-8	
Endrin aldehyde	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:05	7421-93-4	
Endrin ketone	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:05	53494-70-5	
Heptachlor	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:05	76-44-8	
Heptachlor epoxide	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:05	1024-57-3	
Methoxychlor	<18.8	ug/kg	18.8	1	12/07/17 14:42	12/11/17 21:05	72-43-5	
Toxaphene	<188	ug/kg	188	1	12/07/17 14:42	12/11/17 21:05	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	46	%	30-150	1	12/07/17 14:42	12/11/17 21:05	877-09-8	
Decachlorobiphenyl (S)	78	%	30-150	1	12/07/17 14:42	12/11/17 21:05	2051-24-3	
8082 GCS PCB		Analytical Method: EPA 8082A Preparation Method: EPA 3545A						
PCB-1016 (Aroclor 1016)	<36.5	ug/kg	36.5	1	12/07/17 14:42	12/12/17 05:35	12674-11-2	
PCB-1221 (Aroclor 1221)	<74.1	ug/kg	74.1	1	12/07/17 14:42	12/12/17 05:35	11104-28-2	
PCB-1232 (Aroclor 1232)	<36.5	ug/kg	36.5	1	12/07/17 14:42	12/12/17 05:35	11141-16-5	
PCB-1242 (Aroclor 1242)	<36.5	ug/kg	36.5	1	12/07/17 14:42	12/12/17 05:35	53469-21-9	
PCB-1248 (Aroclor 1248)	<36.5	ug/kg	36.5	1	12/07/17 14:42	12/12/17 05:35	12672-29-6	
PCB-1254 (Aroclor 1254)	<36.5	ug/kg	36.5	1	12/07/17 14:42	12/12/17 05:35	11097-69-1	
PCB-1260 (Aroclor 1260)	<36.5	ug/kg	36.5	1	12/07/17 14:42	12/12/17 05:35	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	67	%	30-150	1	12/07/17 14:42	12/12/17 05:35	877-09-8	
Decachlorobiphenyl (S)	68	%	30-150	1	12/07/17 14:42	12/12/17 05:35	2051-24-3	
8151 Chlorinated Herbicides		Analytical Method: EPA 8151A Preparation Method: EPA 8151A						
2,4-D	<11.0	ug/kg	11.0	1	12/08/17 14:30	12/10/17 15:45	94-75-7	
Dicamba	<3.3	ug/kg	3.3	1	12/08/17 14:30	12/10/17 15:45	1918-00-9	
2,4,5-T	<5.5	ug/kg	5.5	1	12/08/17 14:30	12/10/17 15:45	93-76-5	
2,4,5-TP (Silvex)	<5.5	ug/kg	5.5	1	12/08/17 14:30	12/10/17 15:45	93-72-1	
Surrogates								
2,4-DCAA (S)	72	%	29-136	1	12/08/17 14:30	12/10/17 15:45	19719-28-9	

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-41 **Lab ID: 7037146011** Collected: 12/04/17 09:12 Received: 12/05/17 11:00 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
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	6000	mg/kg	10.5	1	12/08/17 09:21	12/09/17 01:03	7429-90-5	
Antimony	<3.2	mg/kg	3.2	1	12/08/17 09:21	12/09/17 01:03	7440-36-0	
Arsenic	7.7	mg/kg	0.53	1	12/08/17 09:21	12/09/17 01:03	7440-38-2	
Barium	33.8	mg/kg	10.5	1	12/08/17 09:21	12/09/17 01:03	7440-39-3	
Beryllium	0.34	mg/kg	0.26	1	12/08/17 09:21	12/09/17 01:03	7440-41-7	
Cadmium	1.2	mg/kg	0.13	1	12/08/17 09:21	12/09/17 01:03	7440-43-9	
Calcium	16900	mg/kg	52.7	1	12/08/17 09:21	12/09/17 01:03	7440-70-2	
Chromium	16.9	mg/kg	0.53	1	12/08/17 09:21	12/09/17 01:03	7440-47-3	
Cobalt	10.6	mg/kg	2.6	1	12/08/17 09:21	12/09/17 01:03	7440-48-4	
Copper	21.4	mg/kg	1.3	1	12/08/17 09:21	12/09/17 01:03	7440-50-8	
Iron	15800	mg/kg	5.3	1	12/08/17 09:21	12/09/17 01:03	7439-89-6	
Lead	10.1	mg/kg	0.26	1	12/08/17 09:21	12/09/17 01:03	7439-92-1	
Magnesium	5520	mg/kg	52.7	1	12/08/17 09:21	12/09/17 01:03	7439-95-4	
Manganese	432	mg/kg	0.79	1	12/08/17 09:21	12/09/17 01:03	7439-96-5	
Nickel	16.1	mg/kg	2.1	1	12/08/17 09:21	12/09/17 01:03	7440-02-0	
Potassium	809	mg/kg	263	1	12/08/17 09:21	12/09/17 01:03	7440-09-7	
Selenium	<0.53	mg/kg	0.53	1	12/08/17 09:21	12/09/17 01:03	7782-49-2	
Silver	3.8	mg/kg	0.53	1	12/08/17 09:21	12/09/17 01:03	7440-22-4	
Sodium	<263	mg/kg	263	1	12/08/17 09:21	12/09/17 01:03	7440-23-5	
Thallium	<0.53	mg/kg	0.53	1	12/08/17 09:21	12/09/17 01:03	7440-28-0	
Vanadium	11.2	mg/kg	2.6	1	12/08/17 09:21	12/09/17 01:03	7440-62-2	
Zinc	55.0	mg/kg	1.1	1	12/08/17 09:21	12/09/17 01:03	7440-66-6	

7471 Mercury

Analytical Method: EPA 7471B Preparation Method: EPA 7471B

Mercury	<0.042	mg/kg	0.042	1	12/08/17 09:23	12/08/17 14:37	7439-97-6	
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

2,2'-Oxybis(1-chloropropane)	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	108-60-1	
2,4,5-Trichlorophenol	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	95-95-4	
2,4,6-Trichlorophenol	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	88-06-2	
2,4-Dichlorophenol	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	120-83-2	
2,4-Dimethylphenol	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	105-67-9	
2,4-Dinitrophenol	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	51-28-5	CL
2,4-Dinitrotoluene	<365	ug/kg	365	1	12/06/17 10:30	12/08/17 00:49	121-14-2	
2,6-Dinitrotoluene	<365	ug/kg	365	1	12/06/17 10:30	12/08/17 00:49	606-20-2	
2-Chloronaphthalene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	91-58-7	
2-Chlorophenol	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	95-57-8	
2-Methylnaphthalene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	91-57-6	
2-Methylphenol(o-Cresol)	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	95-48-7	
2-Nitroaniline	<365	ug/kg	365	1	12/06/17 10:30	12/08/17 00:49	88-74-4	
2-Nitrophenol	<365	ug/kg	365	1	12/06/17 10:30	12/08/17 00:49	88-75-5	
3&4-Methylphenol(m&p Cresol)	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49		
3,3'-Dichlorobenzidine	<365	ug/kg	365	1	12/06/17 10:30	12/08/17 00:49	91-94-1	
3-Nitroaniline	<365	ug/kg	365	1	12/06/17 10:30	12/08/17 00:49	99-09-2	
4,6-Dinitro-2-methylphenol	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	534-52-1	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-41 **Lab ID: 7037146011** Collected: 12/04/17 09:12 Received: 12/05/17 11:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
4-Bromophenylphenyl ether	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	101-55-3	
4-Chloro-3-methylphenol	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	59-50-7	
4-Chloroaniline	<365	ug/kg	365	1	12/06/17 10:30	12/08/17 00:49	106-47-8	
4-Chlorophenylphenyl ether	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	7005-72-3	
4-Nitroaniline	<365	ug/kg	365	1	12/06/17 10:30	12/08/17 00:49	100-01-6	
4-Nitrophenol	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	100-02-7	
Acenaphthene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	83-32-9	
Acenaphthylene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	208-96-8	
Anthracene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	120-12-7	
Benzo(a)anthracene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	56-55-3	
Benzo(a)pyrene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	50-32-8	
Benzo(b)fluoranthene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	205-99-2	
Benzo(g,h,i)perylene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	191-24-2	
Benzo(k)fluoranthene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	207-08-9	
Butylbenzylphthalate	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	85-68-7	
Carbazole	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	86-74-8	
Chrysene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	218-01-9	
Di-n-butylphthalate	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	84-74-2	
Di-n-octylphthalate	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	117-84-0	
Dibenz(a,h)anthracene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	53-70-3	
Dibenzofuran	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	132-64-9	
Diethylphthalate	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	84-66-2	
Dimethylphthalate	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	131-11-3	
Fluoranthene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	206-44-0	
Fluorene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	86-73-7	
Hexachloro-1,3-butadiene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	87-68-3	
Hexachlorobenzene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	118-74-1	
Hexachlorocyclopentadiene	<365	ug/kg	365	1	12/06/17 10:30	12/08/17 00:49	77-47-4	CL,IC
Hexachloroethane	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	67-72-1	
Indeno(1,2,3-cd)pyrene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	193-39-5	
Isophorone	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	78-59-1	
N-Nitroso-di-n-propylamine	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	621-64-7	
N-Nitrosodiphenylamine	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	86-30-6	
Naphthalene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	91-20-3	
Nitrobenzene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	98-95-3	
Pentachlorophenol	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	87-86-5	
Phenanthrene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	85-01-8	
Phenol	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	108-95-2	
Pyrene	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	129-00-0	
bis(2-Chloroethoxy)methane	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	111-91-1	
bis(2-Chloroethyl) ether	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	111-44-4	
bis(2-Ethylhexyl)phthalate	<74.1	ug/kg	74.1	1	12/06/17 10:30	12/08/17 00:49	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	62	%	23-120	1	12/06/17 10:30	12/08/17 00:49	4165-60-0	
2-Fluorobiphenyl (S)	67	%	30-115	1	12/06/17 10:30	12/08/17 00:49	321-60-8	
p-Terphenyl-d14 (S)	81	%	18-137	1	12/06/17 10:30	12/08/17 00:49	1718-51-0	

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-41 **Lab ID: 7037146011** Collected: 12/04/17 09:12 Received: 12/05/17 11:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Surrogates								
Phenol-d5 (S)	67	%	24-113	1	12/06/17 10:30	12/08/17 00:49	4165-62-2	
2-Fluorophenol (S)	55	%	25-121	1	12/06/17 10:30	12/08/17 00:49	367-12-4	
2,4,6-Tribromophenol (S)	65	%	19-122	1	12/06/17 10:30	12/08/17 00:49	118-79-6	
2-Chlorophenol-d4 (S)	62	%	20-130	1	12/06/17 10:30	12/08/17 00:49	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	52	%	20-130	1	12/06/17 10:30	12/08/17 00:49	2199-69-1	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	9.6	%	0.10	1		12/07/17 00:18		
9014 Cyanide, Total Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
Cyanide	<0.55	mg/kg	0.55	1	12/11/17 09:35	12/11/17 17:21	57-12-5	

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001
Pace Project No.: 7037146

Sample: SC-42 **Lab ID: 7037146012** Collected: 12/04/17 09:15 Received: 12/05/17 11:00 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
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3545A								
Aldrin	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:23	309-00-2	
alpha-BHC	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:23	319-84-6	
beta-BHC	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:23	319-85-7	
delta-BHC	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:23	319-86-8	
gamma-BHC (Lindane)	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:23	58-89-9	
alpha-Chlordane	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:23	5103-71-9	
gamma-Chlordane	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:23	5103-74-2	
4,4'-DDD	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:23	72-54-8	
4,4'-DDE	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:23	72-55-9	
4,4'-DDT	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:23	50-29-3	1j,M1
Dieldrin	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:23	60-57-1	
Endosulfan I	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:23	959-98-8	
Endosulfan II	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:23	33213-65-9	
Endosulfan sulfate	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:23	1031-07-8	
Endrin	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:23	72-20-8	
Endrin aldehyde	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:23	7421-93-4	
Endrin ketone	<3.6	ug/kg	3.6	1	12/07/17 14:42	12/11/17 21:23	53494-70-5	
Heptachlor	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:23	76-44-8	
Heptachlor epoxide	<1.9	ug/kg	1.9	1	12/07/17 14:42	12/11/17 21:23	1024-57-3	
Methoxychlor	<18.5	ug/kg	18.5	1	12/07/17 14:42	12/11/17 21:23	72-43-5	
Toxaphene	<185	ug/kg	185	1	12/07/17 14:42	12/11/17 21:23	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	55	%	30-150	1	12/07/17 14:42	12/11/17 21:23	877-09-8	
Decachlorobiphenyl (S)	84	%	30-150	1	12/07/17 14:42	12/11/17 21:23	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3545A								
PCB-1016 (Aroclor 1016)	<35.9	ug/kg	35.9	1	12/07/17 14:42	12/12/17 05:48	12674-11-2	
PCB-1221 (Aroclor 1221)	<72.9	ug/kg	72.9	1	12/07/17 14:42	12/12/17 05:48	11104-28-2	
PCB-1232 (Aroclor 1232)	<35.9	ug/kg	35.9	1	12/07/17 14:42	12/12/17 05:48	11141-16-5	
PCB-1242 (Aroclor 1242)	<35.9	ug/kg	35.9	1	12/07/17 14:42	12/12/17 05:48	53469-21-9	
PCB-1248 (Aroclor 1248)	<35.9	ug/kg	35.9	1	12/07/17 14:42	12/12/17 05:48	12672-29-6	
PCB-1254 (Aroclor 1254)	<35.9	ug/kg	35.9	1	12/07/17 14:42	12/12/17 05:48	11097-69-1	
PCB-1260 (Aroclor 1260)	<35.9	ug/kg	35.9	1	12/07/17 14:42	12/12/17 05:48	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	78	%	30-150	1	12/07/17 14:42	12/12/17 05:48	877-09-8	
Decachlorobiphenyl (S)	72	%	30-150	1	12/07/17 14:42	12/12/17 05:48	2051-24-3	
8151 Chlorinated Herbicides Analytical Method: EPA 8151A Preparation Method: EPA 8151A								
2,4-D	<10.9	ug/kg	10.9	1	12/08/17 14:30	12/10/17 16:05	94-75-7	
Dicamba	<3.3	ug/kg	3.3	1	12/08/17 14:30	12/10/17 16:05	1918-00-9	
2,4,5-T	<5.4	ug/kg	5.4	1	12/08/17 14:30	12/10/17 16:05	93-76-5	
2,4,5-TP (Silvex)	<5.4	ug/kg	5.4	1	12/08/17 14:30	12/10/17 16:05	93-72-1	
Surrogates								
2,4-DCAA (S)	64	%	29-136	1	12/08/17 14:30	12/10/17 16:05	19719-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-42 **Lab ID: 7037146012** Collected: 12/04/17 09:15 Received: 12/05/17 11:00 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
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	5290	mg/kg	11.7	1	12/08/17 09:21	12/09/17 01:09	7429-90-5	
Antimony	<3.5	mg/kg	3.5	1	12/08/17 09:21	12/09/17 01:09	7440-36-0	
Arsenic	6.6	mg/kg	0.58	1	12/08/17 09:21	12/09/17 01:09	7440-38-2	
Barium	27.8	mg/kg	11.7	1	12/08/17 09:21	12/09/17 01:09	7440-39-3	
Beryllium	0.30	mg/kg	0.29	1	12/08/17 09:21	12/09/17 01:09	7440-41-7	
Cadmium	0.93	mg/kg	0.15	1	12/08/17 09:21	12/09/17 01:09	7440-43-9	
Calcium	15300	mg/kg	58.3	1	12/08/17 09:21	12/09/17 01:09	7440-70-2	
Chromium	14.3	mg/kg	0.58	1	12/08/17 09:21	12/09/17 01:09	7440-47-3	
Cobalt	7.9	mg/kg	2.9	1	12/08/17 09:21	12/09/17 01:09	7440-48-4	
Copper	17.3	mg/kg	1.5	1	12/08/17 09:21	12/09/17 01:09	7440-50-8	
Iron	13500	mg/kg	5.8	1	12/08/17 09:21	12/09/17 01:09	7439-89-6	
Lead	8.1	mg/kg	0.29	1	12/08/17 09:21	12/09/17 01:09	7439-92-1	
Magnesium	4750	mg/kg	58.3	1	12/08/17 09:21	12/09/17 01:09	7439-95-4	
Manganese	355	mg/kg	0.87	1	12/08/17 09:21	12/09/17 01:09	7439-96-5	
Nickel	12.9	mg/kg	2.3	1	12/08/17 09:21	12/09/17 01:09	7440-02-0	
Potassium	690	mg/kg	291	1	12/08/17 09:21	12/09/17 01:09	7440-09-7	
Selenium	<0.58	mg/kg	0.58	1	12/08/17 09:21	12/09/17 01:09	7782-49-2	
Silver	3.2	mg/kg	0.58	1	12/08/17 09:21	12/09/17 01:09	7440-22-4	
Sodium	<291	mg/kg	291	1	12/08/17 09:21	12/09/17 01:09	7440-23-5	
Thallium	<0.58	mg/kg	0.58	1	12/08/17 09:21	12/09/17 01:09	7440-28-0	
Vanadium	9.8	mg/kg	2.9	1	12/08/17 09:21	12/09/17 01:09	7440-62-2	
Zinc	44.2	mg/kg	1.2	1	12/08/17 09:21	12/09/17 01:09	7440-66-6	

7471 Mercury

Analytical Method: EPA 7471B Preparation Method: EPA 7471B

Mercury	<0.042	mg/kg	0.042	1	12/08/17 09:23	12/08/17 14:39	7439-97-6	
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

2,2'-Oxybis(1-chloropropane)	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	108-60-1	
2,4,5-Trichlorophenol	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	95-95-4	
2,4,6-Trichlorophenol	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	88-06-2	
2,4-Dichlorophenol	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	120-83-2	
2,4-Dimethylphenol	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	105-67-9	
2,4-Dinitrophenol	<729	ug/kg	729	1	12/06/17 10:30	12/08/17 01:17	51-28-5	CL
2,4-Dinitrotoluene	<359	ug/kg	359	1	12/06/17 10:30	12/08/17 01:17	121-14-2	
2,6-Dinitrotoluene	<359	ug/kg	359	1	12/06/17 10:30	12/08/17 01:17	606-20-2	
2-Chloronaphthalene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	91-58-7	
2-Chlorophenol	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	95-57-8	
2-Methylnaphthalene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	91-57-6	
2-Methylphenol(o-Cresol)	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	95-48-7	
2-Nitroaniline	<359	ug/kg	359	1	12/06/17 10:30	12/08/17 01:17	88-74-4	
2-Nitrophenol	<359	ug/kg	359	1	12/06/17 10:30	12/08/17 01:17	88-75-5	
3&4-Methylphenol(m&p Cresol)	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17		
3,3'-Dichlorobenzidine	<359	ug/kg	359	1	12/06/17 10:30	12/08/17 01:17	91-94-1	
3-Nitroaniline	<359	ug/kg	359	1	12/06/17 10:30	12/08/17 01:17	99-09-2	
4,6-Dinitro-2-methylphenol	<729	ug/kg	729	1	12/06/17 10:30	12/08/17 01:17	534-52-1	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-42 **Lab ID: 7037146012** Collected: 12/04/17 09:15 Received: 12/05/17 11:00 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
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
4-Bromophenylphenyl ether	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	101-55-3	
4-Chloro-3-methylphenol	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	59-50-7	
4-Chloroaniline	<359	ug/kg	359	1	12/06/17 10:30	12/08/17 01:17	106-47-8	
4-Chlorophenylphenyl ether	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	7005-72-3	
4-Nitroaniline	<359	ug/kg	359	1	12/06/17 10:30	12/08/17 01:17	100-01-6	
4-Nitrophenol	<729	ug/kg	729	1	12/06/17 10:30	12/08/17 01:17	100-02-7	
Acenaphthene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	83-32-9	
Acenaphthylene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	208-96-8	
Anthracene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	120-12-7	
Benzo(a)anthracene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	56-55-3	
Benzo(a)pyrene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	50-32-8	
Benzo(b)fluoranthene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	205-99-2	
Benzo(g,h,i)perylene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	191-24-2	
Benzo(k)fluoranthene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	207-08-9	
Butylbenzylphthalate	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	85-68-7	
Carbazole	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	86-74-8	
Chrysene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	218-01-9	
Di-n-butylphthalate	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	84-74-2	
Di-n-octylphthalate	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	117-84-0	
Dibenz(a,h)anthracene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	53-70-3	
Dibenzofuran	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	132-64-9	
Diethylphthalate	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	84-66-2	
Dimethylphthalate	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	131-11-3	
Fluoranthene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	206-44-0	
Fluorene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	86-73-7	
Hexachloro-1,3-butadiene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	87-68-3	
Hexachlorobenzene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	118-74-1	
Hexachlorocyclopentadiene	<359	ug/kg	359	1	12/06/17 10:30	12/08/17 01:17	77-47-4	CL,IC
Hexachloroethane	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	67-72-1	
Indeno(1,2,3-cd)pyrene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	193-39-5	
Isophorone	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	78-59-1	
N-Nitroso-di-n-propylamine	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	621-64-7	
N-Nitrosodiphenylamine	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	86-30-6	
Naphthalene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	91-20-3	
Nitrobenzene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	98-95-3	
Pentachlorophenol	<729	ug/kg	729	1	12/06/17 10:30	12/08/17 01:17	87-86-5	
Phenanthrene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	85-01-8	
Phenol	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	108-95-2	
Pyrene	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	129-00-0	
bis(2-Chloroethoxy)methane	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	111-91-1	
bis(2-Chloroethyl) ether	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	111-44-4	
bis(2-Ethylhexyl)phthalate	<72.9	ug/kg	72.9	1	12/06/17 10:30	12/08/17 01:17	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	65	%	23-120	1	12/06/17 10:30	12/08/17 01:17	4165-60-0	
2-Fluorobiphenyl (S)	68	%	30-115	1	12/06/17 10:30	12/08/17 01:17	321-60-8	
p-Terphenyl-d14 (S)	79	%	18-137	1	12/06/17 10:30	12/08/17 01:17	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Sample: SC-42 **Lab ID: 7037146012** Collected: 12/04/17 09:15 Received: 12/05/17 11:00 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
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3545A

Surrogates

Phenol-d5 (S)	71	%	24-113	1	12/06/17 10:30	12/08/17 01:17	4165-62-2	
2-Fluorophenol (S)	62	%	25-121	1	12/06/17 10:30	12/08/17 01:17	367-12-4	
2,4,6-Tribromophenol (S)	70	%	19-122	1	12/06/17 10:30	12/08/17 01:17	118-79-6	
2-Chlorophenol-d4 (S)	66	%	20-130	1	12/06/17 10:30	12/08/17 01:17	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	55	%	20-130	1	12/06/17 10:30	12/08/17 01:17	2199-69-1	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	8.1	%	0.10	1		12/07/17 00:18		
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9014 Cyanide, Total

Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C

Cyanide	<0.53	mg/kg	0.53	1	12/11/17 09:35	12/11/17 17:21	57-12-5	
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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

QC Batch: 49100 Analysis Method: EPA 7471B
QC Batch Method: EPA 7471B Analysis Description: 7471 Mercury
Associated Lab Samples: 7037146005, 7037146006, 7037146011, 7037146012

METHOD BLANK: 228460 Matrix: Solid
Associated Lab Samples: 7037146005, 7037146006, 7037146011, 7037146012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.033	0.033	12/08/17 14:12	

LABORATORY CONTROL SAMPLE: 228461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.17	0.17	104	80-120	

MATRIX SPIKE SAMPLE: 228468

Parameter	Units	7036852058 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.2	0.21	98	80-120	

SAMPLE DUPLICATE: 228469

Parameter	Units	7036852058 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	ND	<0.044		

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

QC Batch: 49097 Analysis Method: EPA 6010C
QC Batch Method: EPA 3050B Analysis Description: 6010 MET
Associated Lab Samples: 7037146005, 7037146006, 7037146011, 7037146012

METHOD BLANK: 228446 Matrix: Solid
Associated Lab Samples: 7037146005, 7037146006, 7037146011, 7037146012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	<10.0	10.0	12/09/17 00:08	
Antimony	mg/kg	<3.0	3.0	12/09/17 00:08	
Arsenic	mg/kg	<0.50	0.50	12/09/17 00:08	
Barium	mg/kg	<10.0	10.0	12/09/17 00:08	
Beryllium	mg/kg	<0.25	0.25	12/09/17 00:08	
Cadmium	mg/kg	<0.12	0.12	12/09/17 00:08	
Calcium	mg/kg	<50.0	50.0	12/09/17 00:08	
Chromium	mg/kg	<0.50	0.50	12/09/17 00:08	
Cobalt	mg/kg	<2.5	2.5	12/09/17 00:08	
Copper	mg/kg	<1.2	1.2	12/09/17 00:08	
Iron	mg/kg	<5.0	5.0	12/09/17 00:08	
Lead	mg/kg	<0.25	0.25	12/09/17 00:08	
Magnesium	mg/kg	<50.0	50.0	12/09/17 00:08	
Manganese	mg/kg	<0.75	0.75	12/09/17 00:08	
Nickel	mg/kg	<2.0	2.0	12/09/17 00:08	
Potassium	mg/kg	<250	250	12/09/17 00:08	
Selenium	mg/kg	<0.50	0.50	12/09/17 00:08	
Silver	mg/kg	<0.50	0.50	12/09/17 00:08	
Sodium	mg/kg	<250	250	12/09/17 00:08	
Thallium	mg/kg	<0.50	0.50	12/09/17 00:08	
Vanadium	mg/kg	<2.5	2.5	12/09/17 00:08	
Zinc	mg/kg	<1.0	1.0	12/09/17 00:08	

LABORATORY CONTROL SAMPLE: 228447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	8000	6060	76	47-152	
Antimony	mg/kg	65.1	45.6	70	1-200	
Arsenic	mg/kg	147	128	87	80-120	
Barium	mg/kg	314	295	94	80-120	
Beryllium	mg/kg	53.4	49.6	93	80-120	
Cadmium	mg/kg	193	173	90	80-120	
Calcium	mg/kg	4580	3930	86	80-120	
Chromium	mg/kg	82.6	74.5	90	80-120	
Cobalt	mg/kg	81.3	76.0	94	80-120	
Copper	mg/kg	171	150	88	80-120	
Iron	mg/kg	14100	9780	69	60-140	
Lead	mg/kg	92.3	79.2	86	80-120	
Magnesium	mg/kg	2240	1920	86	80-120	
Manganese	mg/kg	222	211	95	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

LABORATORY CONTROL SAMPLE: 228447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	137	125	91	80-120	
Potassium	mg/kg	2000	1610	81	70-130	
Selenium	mg/kg	187	164	88	80-120	
Silver	mg/kg	40.7	38.0	93	80-120	
Sodium	mg/kg	216	<250	87	72-128	
Thallium	mg/kg	153	141	92	80-120	
Vanadium	mg/kg	86.6	73.3	85	80-120	
Zinc	mg/kg	189	168	89	80-120	

MATRIX SPIKE SAMPLE: 228449

Parameter	Units	7037146005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	5450	301	7080	544	75-125	M1
Antimony	mg/kg	<3.2	45	28.5	63	75-125	M1
Arsenic	mg/kg	6.8	30.1	32.1	85	75-125	
Barium	mg/kg	29.8	30.1	62.8	110	75-125	
Beryllium	mg/kg	0.32	3	2.9	85	75-125	
Cadmium	mg/kg	1.0	3	3.5	81	75-125	
Calcium	mg/kg	14700	1500	15800	71	75-125	M1
Chromium	mg/kg	15.6	15	29.6	93	75-125	
Cobalt	mg/kg	8.6	30.1	33.3	82	75-125	
Copper	mg/kg	18.7	15	30.7	80	75-125	
Iron	mg/kg	14500	120	14200	-262	75-125	M1
Lead	mg/kg	9.0	30.1	32.8	80	75-125	
Magnesium	mg/kg	4820	1500	6320	100	75-125	
Manganese	mg/kg	376	15	374	-12	75-125	M1
Nickel	mg/kg	13.6	15	25.9	82	75-125	
Potassium	mg/kg	735	3010	3440	90	75-125	
Selenium	mg/kg	<0.54	45	37.4	83	75-125	
Silver	mg/kg	3.5	15	16.1	84	75-125	
Sodium	mg/kg	<270	3010	2660	87	75-125	
Thallium	mg/kg	<0.54	45	37.3	82	75-125	
Vanadium	mg/kg	10.8	30.1	37.6	89	75-125	
Zinc	mg/kg	48.5	60	96.9	81	75-125	

SAMPLE DUPLICATE: 228448

Parameter	Units	7037146005 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	5450	5230	4	
Antimony	mg/kg	<3.2	<3.6		
Arsenic	mg/kg	6.8	6.3	7	
Barium	mg/kg	29.8	28.4	5	
Beryllium	mg/kg	0.32	<0.30		
Cadmium	mg/kg	1.0	0.97	6	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

SAMPLE DUPLICATE: 228448

Parameter	Units	7037146005 Result	Dup Result	RPD	Qualifiers
Calcium	mg/kg	14700	13900	5	
Chromium	mg/kg	15.6	15.0	4	
Cobalt	mg/kg	8.6	8.0	7	
Copper	mg/kg	18.7	18.2	3	
Iron	mg/kg	14500	13800	5	
Lead	mg/kg	9.0	8.9	1	
Magnesium	mg/kg	4820	4680	3	
Manganese	mg/kg	376	351	7	
Nickel	mg/kg	13.6	13.0	4	
Potassium	mg/kg	735	703	5	
Selenium	mg/kg	<0.54	<0.59		
Silver	mg/kg	3.5	3.3	6	
Sodium	mg/kg	<270	<296		
Thallium	mg/kg	<0.54	<0.59		
Vanadium	mg/kg	10.8	10.1	7	
Zinc	mg/kg	48.5	45.5	6	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

QC Batch: 49255 Analysis Method: EPA 8260C
QC Batch Method: EPA 5035A-L Analysis Description: 8260 MSV 5035A-L Low Level
Associated Lab Samples: 7037146001, 7037146002, 7037146004, 7037146007, 7037146008, 7037146009, 7037146010

METHOD BLANK: 229153 Matrix: Solid
Associated Lab Samples: 7037146001, 7037146002, 7037146004, 7037146007, 7037146008, 7037146009, 7037146010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,1-Dichloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,1-Dichloroethene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,1-Dichloropropene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2,3-Trichlorobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2,3-Trichloropropane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2,4-Trimethylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2-Dichloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,2-Dichloropropane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,3,5-Trimethylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
1,3-Dichloropropane	ug/kg	<2.0	2.0	12/10/17 14:13	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
2,2-Dichloropropane	ug/kg	<2.0	2.0	12/10/17 14:13	
2-Butanone (MEK)	ug/kg	<2.0	2.0	12/10/17 14:13	
2-Chloroethylvinyl ether	ug/kg	<2.0	2.0	12/10/17 14:13	CL
2-Chlorotoluene	ug/kg	<2.0	2.0	12/10/17 14:13	
2-Hexanone	ug/kg	<2.0	2.0	12/10/17 14:13	
4-Chlorotoluene	ug/kg	<2.0	2.0	12/10/17 14:13	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	12/10/17 14:13	
Acetone	ug/kg	<2.0	2.0	12/10/17 14:13	
Benzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Bromobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Bromochloromethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Bromodichloromethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Bromoform	ug/kg	<2.0	2.0	12/10/17 14:13	
Bromomethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Carbon disulfide	ug/kg	<2.0	2.0	12/10/17 14:13	CL
Carbon tetrachloride	ug/kg	<2.0	2.0	12/10/17 14:13	
Chlorobenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Chloroethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Chloroform	ug/kg	<2.0	2.0	12/10/17 14:13	
Chloromethane	ug/kg	<2.0	2.0	12/10/17 14:13	
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	12/10/17 14:13	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

METHOD BLANK: 229153

Matrix: Solid

Associated Lab Samples: 7037146001, 7037146002, 7037146004, 7037146007, 7037146008, 7037146009, 7037146010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	12/10/17 14:13	
Dibromochloromethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Dibromomethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	12/10/17 14:13	CL
Ethylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Hexachloro-1,3-butadiene	ug/kg	<2.0	2.0	12/10/17 14:13	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	12/10/17 14:13	
m&p-Xylene	ug/kg	<4.0	4.0	12/10/17 14:13	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	12/10/17 14:13	
Methylene Chloride	ug/kg	<2.0	2.0	12/10/17 14:13	
n-Butylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
n-Propylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Naphthalene	ug/kg	<2.0	2.0	12/10/17 14:13	
o-Xylene	ug/kg	<2.0	2.0	12/10/17 14:13	
p-Isopropyltoluene	ug/kg	<2.0	2.0	12/10/17 14:13	
sec-Butylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Styrene	ug/kg	<2.0	2.0	12/10/17 14:13	
tert-Butylbenzene	ug/kg	<2.0	2.0	12/10/17 14:13	
Tetrachloroethene	ug/kg	<2.0	2.0	12/10/17 14:13	
Toluene	ug/kg	<2.0	2.0	12/10/17 14:13	
trans-1,2-Dichloroethene	ug/kg	<2.0	2.0	12/10/17 14:13	
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	12/10/17 14:13	
Trichloroethene	ug/kg	<2.0	2.0	12/10/17 14:13	
Trichlorofluoromethane	ug/kg	<2.0	2.0	12/10/17 14:13	
Vinyl acetate	ug/kg	<2.0	2.0	12/10/17 14:13	CL
Vinyl chloride	ug/kg	<2.0	2.0	12/10/17 14:13	
Xylene (Total)	ug/kg	<4.0	4.0	12/10/17 14:13	
1,2-Dichloroethane-d4 (S)	%	106	33-150	12/10/17 14:13	
4-Bromofluorobenzene (S)	%	104	34-145	12/10/17 14:13	CH
Toluene-d8 (S)	%	101	43-157	12/10/17 14:13	

LABORATORY CONTROL SAMPLE: 229154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50.5	54.4	108	74-140	
1,1,1-Trichloroethane	ug/kg	50.5	44.5	88	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	50.5	47.8	95	69-132	
1,1,2-Trichloroethane	ug/kg	50.5	57.3	113	73-135	
1,1-Dichloroethane	ug/kg	50.5	38.6	76	53-160	
1,1-Dichloroethene	ug/kg	50.5	39.4	78	47-152	
1,1-Dichloropropene	ug/kg	50.5	40.8	81	56-130	
1,2,3-Trichlorobenzene	ug/kg	50.5	59.0	117	48-144	
1,2,3-Trichloropropane	ug/kg	50.5	50.6	100	67-129	
1,2,4-Trichlorobenzene	ug/kg	50.5	60.1	119	52-140	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

LABORATORY CONTROL SAMPLE: 229154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	50.5	51.8	103	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	50.5	47.8	95	57-140	
1,2-Dibromoethane (EDB)	ug/kg	50.5	57.2	113	76-138	
1,2-Dichlorobenzene	ug/kg	50.5	50.8	101	67-125	
1,2-Dichloroethane	ug/kg	50.5	46.8	93	65-143	
1,2-Dichloropropane	ug/kg	50.5	56.8	112	72-131	
1,3,5-Trimethylbenzene	ug/kg	50.5	52.6	104	49-134	
1,3-Dichlorobenzene	ug/kg	50.5	52.2	103	64-124	
1,3-Dichloropropane	ug/kg	50.5	52.8	105	73-130	
1,4-Dichlorobenzene	ug/kg	50.5	51.9	103	61-127	
2,2-Dichloropropane	ug/kg	50.5	41.9	83	55-140	
2-Butanone (MEK)	ug/kg	50.5	33.2	66	52-164	
2-Chloroethylvinyl ether	ug/kg	50.5	19.4	38	43-183	CL,IH,L2
2-Chlorotoluene	ug/kg	50.5	50.9	101	62-125	
2-Hexanone	ug/kg	50.5	56.6	112	66-151	
4-Chlorotoluene	ug/kg	50.5	51.2	101	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.5	58.4	116	63-154	
Acetone	ug/kg	50.5	41.9	83	23-196	CH,IH
Benzene	ug/kg	50.5	42.3	84	65-129	
Bromobenzene	ug/kg	50.5	50.6	100	63-130	
Bromochloromethane	ug/kg	50.5	44.2	88	78-136	
Bromodichloromethane	ug/kg	50.5	56.8	113	74-141	
Bromoform	ug/kg	50.5	53.2	105	59-136	CH
Bromomethane	ug/kg	50.5	51.0	101	32-182	
Carbon disulfide	ug/kg	50.5	36.4	72	26-160	CL
Carbon tetrachloride	ug/kg	50.5	48.5	96	57-135	
Chlorobenzene	ug/kg	50.5	53.4	106	62-136	
Chloroethane	ug/kg	50.5	37.2	74	50-159	
Chloroform	ug/kg	50.5	45.4	90	71-135	
Chloromethane	ug/kg	50.5	42.6	84	44-139	
cis-1,2-Dichloroethene	ug/kg	50.5	41.9	83	75-130	
cis-1,3-Dichloropropene	ug/kg	50.5	58.3	115	74-140	
Dibromochloromethane	ug/kg	50.5	55.6	110	71-133	
Dibromomethane	ug/kg	50.5	57.5	114	75-136	
Dichlorodifluoromethane	ug/kg	50.5	31.8	63	10-155	CL
Ethylbenzene	ug/kg	50.5	53.3	106	59-135	
Hexachloro-1,3-butadiene	ug/kg	50.5	56.7	112	19-152	
Isopropylbenzene (Cumene)	ug/kg	50.5	51.9	103	56-129	
m&p-Xylene	ug/kg	101	107	106	69-133	
Methyl-tert-butyl ether	ug/kg	50.5	40.9	81	25-171	
Methylene Chloride	ug/kg	50.5	43.0	85	50-164	
n-Butylbenzene	ug/kg	50.5	53.8	106	54-121	
n-Propylbenzene	ug/kg	50.5	51.3	102	56-125	
Naphthalene	ug/kg	50.5	52.7	104	55-145	
o-Xylene	ug/kg	50.5	53.1	105	71-135	CH
p-Isopropyltoluene	ug/kg	50.5	53.2	105	54-126	
sec-Butylbenzene	ug/kg	50.5	51.8	103	50-126	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

LABORATORY CONTROL SAMPLE: 229154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/kg	50.5	54.3	107	73-133	CH
tert-Butylbenzene	ug/kg	50.5	52.2	103	56-127	
Tetrachloroethene	ug/kg	50.5	54.1	107	10-176	
Toluene	ug/kg	50.5	56.4	112	66-131	
trans-1,2-Dichloroethene	ug/kg	50.5	41.8	83	53-157	
trans-1,3-Dichloropropene	ug/kg	50.5	57.7	114	66-144	
Trichloroethene	ug/kg	50.5	55.0	109	62-130	
Trichlorofluoromethane	ug/kg	50.5	49.5	98	38-166	
Vinyl acetate	ug/kg	50.5	38.3	76	10-155	CL
Vinyl chloride	ug/kg	50.5	48.1	95	45-137	
Xylene (Total)	ug/kg	152	160	106	62-135	
1,2-Dichloroethane-d4 (S)	%			89	33-150	
4-Bromofluorobenzene (S)	%			106	34-145	CH
Toluene-d8 (S)	%			103	43-157	

MATRIX SPIKE SAMPLE: 229156

Parameter	Units	7037146010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.3	56.8	56.4	99	74-140	
1,1,1-Trichloroethane	ug/kg	<2.3	56.8	57.3	101	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	<2.3	56.8	53.1	93	69-132	
1,1,2-Trichloroethane	ug/kg	<2.3	56.8	52.8	93	73-135	
1,1-Dichloroethane	ug/kg	<2.3	56.8	34.7	61	53-160	
1,1-Dichloroethene	ug/kg	<2.3	56.8	43.0	76	47-152	
1,1-Dichloropropene	ug/kg	<2.3	56.8	48.8	86	56-130	
1,2,3-Trichlorobenzene	ug/kg	<2.3	56.8	35.7	63	48-144	
1,2,3-Trichloropropane	ug/kg	<2.3	56.8	56.7	100	67-129	
1,2,4-Trichlorobenzene	ug/kg	<2.3	56.8	34.5	61	52-140	
1,2,4-Trimethylbenzene	ug/kg	<2.3	56.8	49.8	88	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	<2.3	56.8	45.0	79	57-140	
1,2-Dibromoethane (EDB)	ug/kg	<2.3	56.8	48.2	85	76-138	
1,2-Dichlorobenzene	ug/kg	<2.3	56.8	46.4	82	67-125	
1,2-Dichloroethane	ug/kg	<2.3	56.8	52.3	92	65-143	
1,2-Dichloropropane	ug/kg	<2.3	56.8	50.9	89	72-131	
1,3,5-Trimethylbenzene	ug/kg	<2.3	56.8	52.7	93	49-134	
1,3-Dichlorobenzene	ug/kg	<2.3	56.8	44.7	79	64-124	
1,3-Dichloropropane	ug/kg	<2.3	56.8	53.7	94	73-130	
1,4-Dichlorobenzene	ug/kg	<2.3	56.8	42.6	75	61-127	
2,2-Dichloropropane	ug/kg	<2.3	56.8	36.3	64	55-140	
2-Butanone (MEK)	ug/kg	<2.3	56.8	28.8	51	52-164	M1
2-Chloroethylvinyl ether	ug/kg	<2.3	56.8	15.9	28	43-183	CL,IH,M0
2-Chlorotoluene	ug/kg	<2.3	56.8	50.0	88	62-125	
2-Hexanone	ug/kg	<2.3	56.8	47.5	83	66-151	
4-Chlorotoluene	ug/kg	<2.3	56.8	47.1	83	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.3	56.8	48.5	85	63-154	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

MATRIX SPIKE SAMPLE: 229156		7037146010	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Acetone	ug/kg	<2.3	56.8	281	494	23-196	CH,E,IH
Benzene	ug/kg	<2.3	56.8	56.0	98	65-129	
Bromobenzene	ug/kg	<2.3	56.8	50.9	89	63-130	
Bromochloromethane	ug/kg	<2.3	56.8	38.2	67	78-136	M1
Bromodichloromethane	ug/kg	<2.3	56.8	54.4	96	74-141	
Bromoform	ug/kg	<2.3	56.8	51.5	91	59-136	CH
Bromomethane	ug/kg	<2.3	56.8	43.2	76	32-182	
Carbon disulfide	ug/kg	<2.3	56.8	36.4	64	26-160	CL
Carbon tetrachloride	ug/kg	<2.3	56.8	58.6	103	57-135	
Chlorobenzene	ug/kg	<2.3	56.8	49.2	87	62-136	
Chloroethane	ug/kg	<2.3	56.8	43.9	77	50-159	
Chloroform	ug/kg	<2.3	56.8	38.1	67	71-135	M1
Chloromethane	ug/kg	<2.3	56.8	35.8	63	44-139	
cis-1,2-Dichloroethene	ug/kg	<2.3	56.8	34.8	61	75-130	M1
cis-1,3-Dichloropropene	ug/kg	<2.3	56.8	46.6	82	74-140	
Dibromochloromethane	ug/kg	<2.3	56.8	56.8	100	71-133	
Dibromomethane	ug/kg	<2.3	56.8	52.1	92	75-136	
Dichlorodifluoromethane	ug/kg	<2.3	56.8	23.8	42	10-155	CL
Ethylbenzene	ug/kg	<2.3	56.8	50.1	88	59-135	
Hexachloro-1,3-butadiene	ug/kg	<2.3	56.8	33.7	59	19-152	
Isopropylbenzene (Cumene)	ug/kg	<2.3	56.8	54.8	96	56-129	
m&p-Xylene	ug/kg	<4.6	114	97.8	86	69-133	
Methyl-tert-butyl ether	ug/kg	<2.3	56.8	41.1	72	25-171	
Methylene Chloride	ug/kg	<2.3	56.8	42.4	74	50-164	
n-Butylbenzene	ug/kg	<2.3	56.8	43.3	76	54-121	
n-Propylbenzene	ug/kg	<2.3	56.8	50.0	88	56-125	
Naphthalene	ug/kg	<2.3	56.8	37.0	65	55-145	
o-Xylene	ug/kg	<2.3	56.8	50.5	89	71-135	CH
p-Isopropyltoluene	ug/kg	<2.3	56.8	46.9	82	54-126	
sec-Butylbenzene	ug/kg	<2.3	56.8	48.4	85	50-126	
Styrene	ug/kg	<2.3	56.8	47.2	83	73-133	CH
tert-Butylbenzene	ug/kg	<2.3	56.8	50.0	88	56-127	
Tetrachloroethene	ug/kg	<2.3	56.8	67.6	119	10-176	
Toluene	ug/kg	<2.3	56.8	48.2	85	66-131	
trans-1,2-Dichloroethene	ug/kg	<2.3	56.8	36.5	64	53-157	
trans-1,3-Dichloropropene	ug/kg	<2.3	56.8	44.5	78	66-144	
Trichloroethene	ug/kg	<2.3	56.8	45.9	81	62-130	
Trichlorofluoromethane	ug/kg	<2.3	56.8	46.3	81	38-166	
Vinyl acetate	ug/kg	<2.3	56.8	9.6	17	10-155	CL
Vinyl chloride	ug/kg	<2.3	56.8	38.4	68	45-137	
Xylene (Total)	ug/kg	<4.6	170	148	87	62-135	
1,2-Dichloroethane-d4 (S)	%				111	33-150	
4-Bromofluorobenzene (S)	%				100	34-145	CH
Toluene-d8 (S)	%				109	43-157	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

SAMPLE DUPLICATE: 229155

Parameter	Units	7037146001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.2	<2.1		
1,1,1-Trichloroethane	ug/kg	<2.2	<2.1		
1,1,2,2-Tetrachloroethane	ug/kg	<2.2	<2.1		
1,1,2-Trichloroethane	ug/kg	<2.2	<2.1		
1,1-Dichloroethane	ug/kg	<2.2	<2.1		
1,1-Dichloroethene	ug/kg	<2.2	<2.1		
1,1-Dichloropropene	ug/kg	<2.2	<2.1		
1,2,3-Trichlorobenzene	ug/kg	<2.2	<2.1		
1,2,3-Trichloropropane	ug/kg	<2.2	<2.1		
1,2,4-Trichlorobenzene	ug/kg	<2.2	<2.1		
1,2,4-Trimethylbenzene	ug/kg	<2.2	<2.1		
1,2-Dibromo-3-chloropropane	ug/kg	<2.2	<2.1		
1,2-Dibromoethane (EDB)	ug/kg	<2.2	<2.1		
1,2-Dichlorobenzene	ug/kg	<2.2	<2.1		
1,2-Dichloroethane	ug/kg	<2.2	<2.1		
1,2-Dichloropropane	ug/kg	<2.2	<2.1		
1,3,5-Trimethylbenzene	ug/kg	<2.2	<2.1		
1,3-Dichlorobenzene	ug/kg	<2.2	<2.1		
1,3-Dichloropropane	ug/kg	<2.2	<2.1		
1,4-Dichlorobenzene	ug/kg	<2.2	<2.1		
2,2-Dichloropropane	ug/kg	<2.2	<2.1		
2-Butanone (MEK)	ug/kg	<2.2	<2.1		
2-Chloroethylvinyl ether	ug/kg	<2.2	<2.1		CL
2-Chlorotoluene	ug/kg	<2.2	<2.1		
2-Hexanone	ug/kg	<2.2	<2.1		
4-Chlorotoluene	ug/kg	<2.2	<2.1		
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.2	<2.1		
Acetone	ug/kg	<2.2	<2.1		
Benzene	ug/kg	<2.2	<2.1		
Bromobenzene	ug/kg	<2.2	<2.1		
Bromochloromethane	ug/kg	<2.2	<2.1		
Bromodichloromethane	ug/kg	<2.2	<2.1		
Bromoform	ug/kg	<2.2	<2.1		
Bromomethane	ug/kg	<2.2	<2.1		
Carbon disulfide	ug/kg	<2.2	<2.1		CL
Carbon tetrachloride	ug/kg	<2.2	<2.1		
Chlorobenzene	ug/kg	<2.2	<2.1		
Chloroethane	ug/kg	<2.2	<2.1		
Chloroform	ug/kg	<2.2	<2.1		
Chloromethane	ug/kg	<2.2	<2.1		
cis-1,2-Dichloroethene	ug/kg	<2.2	<2.1		
cis-1,3-Dichloropropene	ug/kg	<2.2	<2.1		
Dibromochloromethane	ug/kg	<2.2	<2.1		
Dibromomethane	ug/kg	<2.2	<2.1		
Dichlorodifluoromethane	ug/kg	<2.2	<2.1		CL
Ethylbenzene	ug/kg	<2.2	<2.1		
Hexachloro-1,3-butadiene	ug/kg	<2.2	<2.1		

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

SAMPLE DUPLICATE: 229155

Parameter	Units	7037146001 Result	Dup Result	RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/kg	<2.2	<2.1		
m&p-Xylene	ug/kg	<4.5	<4.3		
Methyl-tert-butyl ether	ug/kg	<2.2	<2.1		
Methylene Chloride	ug/kg	<2.2	<2.1		
n-Butylbenzene	ug/kg	<2.2	<2.1		
n-Propylbenzene	ug/kg	<2.2	<2.1		
Naphthalene	ug/kg	<2.2	<2.1		
o-Xylene	ug/kg	<2.2	<2.1		
p-Isopropyltoluene	ug/kg	<2.2	<2.1		
sec-Butylbenzene	ug/kg	<2.2	<2.1		
Styrene	ug/kg	<2.2	<2.1		
tert-Butylbenzene	ug/kg	<2.2	<2.1		
Tetrachloroethene	ug/kg	<2.2	<2.1		
Toluene	ug/kg	<2.2	<2.1		
trans-1,2-Dichloroethene	ug/kg	<2.2	<2.1		
trans-1,3-Dichloropropene	ug/kg	<2.2	<2.1		
Trichloroethene	ug/kg	<2.2	<2.1		
Trichlorofluoromethane	ug/kg	<2.2	<2.1		
Vinyl acetate	ug/kg	<2.2	<2.1		CL
Vinyl chloride	ug/kg	<2.2	<2.1		
Xylene (Total)	ug/kg	<4.5	<4.3		
1,2-Dichloroethane-d4 (S)	%	110	105	9	
4-Bromofluorobenzene (S)	%	103	98	9	CH
Toluene-d8 (S)	%	105	105	4	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001
Pace Project No.: 7037146

QC Batch: 49510	Analysis Method: EPA 8260C
QC Batch Method: EPA 5035A-L	Analysis Description: 8260 MSV 5035A-L Low Level
Associated Lab Samples: 7037146003	

METHOD BLANK: 230070 Matrix: Solid
Associated Lab Samples: 7037146003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.0	2.0	12/12/17 10:56	
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	12/12/17 10:56	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	12/12/17 10:56	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	12/12/17 10:56	
1,1-Dichloroethane	ug/kg	<2.0	2.0	12/12/17 10:56	
1,1-Dichloroethene	ug/kg	<2.0	2.0	12/12/17 10:56	
1,1-Dichloropropene	ug/kg	<2.0	2.0	12/12/17 10:56	
1,2,3-Trichlorobenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
1,2,3-Trichloropropane	ug/kg	<2.0	2.0	12/12/17 10:56	
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
1,2,4-Trimethylbenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	12/12/17 10:56	
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	12/12/17 10:56	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
1,2-Dichloroethane	ug/kg	<2.0	2.0	12/12/17 10:56	
1,2-Dichloropropane	ug/kg	<2.0	2.0	12/12/17 10:56	
1,3,5-Trimethylbenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
1,3-Dichloropropane	ug/kg	<2.0	2.0	12/12/17 10:56	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
2,2-Dichloropropane	ug/kg	<2.0	2.0	12/12/17 10:56	
2-Butanone (MEK)	ug/kg	<2.0	2.0	12/12/17 10:56	
2-Chloroethylvinyl ether	ug/kg	<2.0	2.0	12/12/17 10:56	CL
2-Chlorotoluene	ug/kg	<2.0	2.0	12/12/17 10:56	
2-Hexanone	ug/kg	<2.0	2.0	12/12/17 10:56	
4-Chlorotoluene	ug/kg	<2.0	2.0	12/12/17 10:56	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	12/12/17 10:56	
Acetone	ug/kg	<2.0	2.0	12/12/17 10:56	
Benzene	ug/kg	<2.0	2.0	12/12/17 10:56	
Bromobenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
Bromochloromethane	ug/kg	<2.0	2.0	12/12/17 10:56	
Bromodichloromethane	ug/kg	<2.0	2.0	12/12/17 10:56	
Bromoform	ug/kg	<2.0	2.0	12/12/17 10:56	
Bromomethane	ug/kg	<2.0	2.0	12/12/17 10:56	
Carbon disulfide	ug/kg	<2.0	2.0	12/12/17 10:56	
Carbon tetrachloride	ug/kg	<2.0	2.0	12/12/17 10:56	
Chlorobenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
Chloroethane	ug/kg	<2.0	2.0	12/12/17 10:56	CL
Chloroform	ug/kg	<2.0	2.0	12/12/17 10:56	
Chloromethane	ug/kg	<2.0	2.0	12/12/17 10:56	CL
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	12/12/17 10:56	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

METHOD BLANK: 230070

Matrix: Solid

Associated Lab Samples: 7037146003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	12/12/17 10:56	
Dibromochloromethane	ug/kg	<2.0	2.0	12/12/17 10:56	
Dibromomethane	ug/kg	<2.0	2.0	12/12/17 10:56	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	12/12/17 10:56	CL
Ethylbenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
Hexachloro-1,3-butadiene	ug/kg	<2.0	2.0	12/12/17 10:56	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	12/12/17 10:56	
m&p-Xylene	ug/kg	<4.0	4.0	12/12/17 10:56	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	12/12/17 10:56	
Methylene Chloride	ug/kg	<2.0	2.0	12/12/17 10:56	
n-Butylbenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
n-Propylbenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
Naphthalene	ug/kg	<2.0	2.0	12/12/17 10:56	
o-Xylene	ug/kg	<2.0	2.0	12/12/17 10:56	
p-Isopropyltoluene	ug/kg	<2.0	2.0	12/12/17 10:56	
sec-Butylbenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
Styrene	ug/kg	<2.0	2.0	12/12/17 10:56	
tert-Butylbenzene	ug/kg	<2.0	2.0	12/12/17 10:56	
Tetrachloroethene	ug/kg	<2.0	2.0	12/12/17 10:56	
Toluene	ug/kg	<2.0	2.0	12/12/17 10:56	
trans-1,2-Dichloroethene	ug/kg	<2.0	2.0	12/12/17 10:56	
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	12/12/17 10:56	
Trichloroethene	ug/kg	<2.0	2.0	12/12/17 10:56	
Trichlorofluoromethane	ug/kg	<2.0	2.0	12/12/17 10:56	
Vinyl acetate	ug/kg	<2.0	2.0	12/12/17 10:56	
Vinyl chloride	ug/kg	<2.0	2.0	12/12/17 10:56	CL
Xylene (Total)	ug/kg	<4.0	4.0	12/12/17 10:56	
1,2-Dichloroethane-d4 (S)	%	97	33-150	12/12/17 10:56	
4-Bromofluorobenzene (S)	%	102	34-145	12/12/17 10:56	
Toluene-d8 (S)	%	103	43-157	12/12/17 10:56	

LABORATORY CONTROL SAMPLE: 230071

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50.4	59.7	118	74-140	
1,1,1-Trichloroethane	ug/kg	50.4	51.5	102	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	50.4	47.5	94	69-132	
1,1,2-Trichloroethane	ug/kg	50.4	56.9	113	73-135	
1,1-Dichloroethane	ug/kg	50.4	38.7	77	53-160	
1,1-Dichloroethene	ug/kg	50.4	46.6	92	47-152	
1,1-Dichloropropene	ug/kg	50.4	49.9	99	56-130	
1,2,3-Trichlorobenzene	ug/kg	50.4	62.0	123	48-144	CH
1,2,3-Trichloropropane	ug/kg	50.4	48.6	96	67-129	
1,2,4-Trichlorobenzene	ug/kg	50.4	61.6	122	52-140	CH

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

LABORATORY CONTROL SAMPLE: 230071

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	50.4	50.2	100	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	50.4	44.2	88	57-140	
1,2-Dibromoethane (EDB)	ug/kg	50.4	55.7	110	76-138	
1,2-Dichlorobenzene	ug/kg	50.4	52.7	105	67-125	
1,2-Dichloroethane	ug/kg	50.4	47.9	95	65-143	
1,2-Dichloropropane	ug/kg	50.4	53.1	105	72-131	
1,3,5-Trimethylbenzene	ug/kg	50.4	50.6	100	49-134	
1,3-Dichlorobenzene	ug/kg	50.4	54.0	107	64-124	
1,3-Dichloropropane	ug/kg	50.4	53.7	106	73-130	
1,4-Dichlorobenzene	ug/kg	50.4	53.1	105	61-127	
2,2-Dichloropropane	ug/kg	50.4	41.9	83	55-140	
2-Butanone (MEK)	ug/kg	50.4	45.8	91	52-164	
2-Chloroethylvinyl ether	ug/kg	50.4	18.7	37	43-183	CL,IH,L2
2-Chlorotoluene	ug/kg	50.4	49.7	99	62-125	
2-Hexanone	ug/kg	50.4	58.1	115	66-151	CH
4-Chlorotoluene	ug/kg	50.4	49.5	98	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.4	56.1	111	63-154	
Acetone	ug/kg	50.4	46.3	92	23-196	CH,IH
Benzene	ug/kg	50.4	53.3	106	65-129	
Bromobenzene	ug/kg	50.4	52.3	104	63-130	
Bromochloromethane	ug/kg	50.4	54.8	109	78-136	
Bromodichloromethane	ug/kg	50.4	53.7	106	74-141	
Bromoform	ug/kg	50.4	58.8	117	59-136	
Bromomethane	ug/kg	50.4	43.9	87	32-182	
Carbon disulfide	ug/kg	50.4	31.0	61	26-160	
Carbon tetrachloride	ug/kg	50.4	55.2	109	57-135	
Chlorobenzene	ug/kg	50.4	58.2	116	62-136	
Chloroethane	ug/kg	50.4	39.3	78	50-159	CL
Chloroform	ug/kg	50.4	48.1	95	71-135	
Chloromethane	ug/kg	50.4	26.2	52	44-139	CL
cis-1,2-Dichloroethene	ug/kg	50.4	49.4	98	75-130	
cis-1,3-Dichloropropene	ug/kg	50.4	53.4	106	74-140	
Dibromochloromethane	ug/kg	50.4	59.7	118	71-133	
Dibromomethane	ug/kg	50.4	54.4	108	75-136	
Dichlorodifluoromethane	ug/kg	50.4	13.9	28	10-155	CL
Ethylbenzene	ug/kg	50.4	58.5	116	59-135	
Hexachloro-1,3-butadiene	ug/kg	50.4	59.6	118	19-152	
Isopropylbenzene (Cumene)	ug/kg	50.4	51.6	102	56-129	
m&p-Xylene	ug/kg	101	115	114	69-133	
Methyl-tert-butyl ether	ug/kg	50.4	38.3	76	25-171	
Methylene Chloride	ug/kg	50.4	45.2	90	50-164	
n-Butylbenzene	ug/kg	50.4	51.8	103	54-121	
n-Propylbenzene	ug/kg	50.4	51.4	102	56-125	
Naphthalene	ug/kg	50.4	54.2	107	55-145	
o-Xylene	ug/kg	50.4	56.7	112	71-135	
p-Isopropyltoluene	ug/kg	50.4	52.4	104	54-126	
sec-Butylbenzene	ug/kg	50.4	52.2	103	50-126	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

LABORATORY CONTROL SAMPLE: 230071

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/kg	50.4	57.7	115	73-133	
tert-Butylbenzene	ug/kg	50.4	52.0	103	56-127	
Tetrachloroethene	ug/kg	50.4	61.3	122	10-176	CH
Toluene	ug/kg	50.4	55.5	110	66-131	
trans-1,2-Dichloroethene	ug/kg	50.4	43.6	86	53-157	
trans-1,3-Dichloropropene	ug/kg	50.4	53.7	106	66-144	
Trichloroethene	ug/kg	50.4	54.1	107	62-130	
Trichlorofluoromethane	ug/kg	50.4	42.8	85	38-166	
Vinyl acetate	ug/kg	50.4	38.8	77	10-155	
Vinyl chloride	ug/kg	50.4	33.9	67	45-137	CL
Xylene (Total)	ug/kg	151	172	113	62-135	
1,2-Dichloroethane-d4 (S)	%			94	33-150	
4-Bromofluorobenzene (S)	%			102	34-145	
Toluene-d8 (S)	%			105	43-157	

MATRIX SPIKE SAMPLE: 230666

Parameter	Units	7037146003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.3	55.5	58.7	106	74-140	
1,1,1-Trichloroethane	ug/kg	<2.3	55.5	52.2	94	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	<2.3	55.5	54.3	98	69-132	
1,1,2-Trichloroethane	ug/kg	<2.3	55.5	57.6	104	73-135	
1,1-Dichloroethane	ug/kg	<2.3	55.5	42.6	77	53-160	
1,1-Dichloroethene	ug/kg	<2.3	55.5	42.6	77	47-152	
1,1-Dichloropropene	ug/kg	<2.3	55.5	47.4	86	56-130	
1,2,3-Trichlorobenzene	ug/kg	<2.3	55.5	32.7	59	48-144	CH
1,2,3-Trichloropropane	ug/kg	<2.3	55.5	59.7	108	67-129	
1,2,4-Trichlorobenzene	ug/kg	<2.3	55.5	34.1	61	52-140	CH
1,2,4-Trimethylbenzene	ug/kg	<2.3	55.5	48.0	87	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	<2.3	55.5	41.6	75	57-140	
1,2-Dibromoethane (EDB)	ug/kg	<2.3	55.5	53.4	96	76-138	
1,2-Dichlorobenzene	ug/kg	<2.3	55.5	45.1	81	67-125	
1,2-Dichloroethane	ug/kg	<2.3	55.5	51.8	93	65-143	
1,2-Dichloropropane	ug/kg	<2.3	55.5	56.3	102	72-131	
1,3,5-Trimethylbenzene	ug/kg	<2.3	55.5	50.1	90	49-134	
1,3-Dichlorobenzene	ug/kg	<2.3	55.5	45.2	81	64-124	
1,3-Dichloropropane	ug/kg	<2.3	55.5	57.7	104	73-130	
1,4-Dichlorobenzene	ug/kg	<2.3	55.5	44.5	80	61-127	
2,2-Dichloropropane	ug/kg	<2.3	55.5	35.3	64	55-140	
2-Butanone (MEK)	ug/kg	<2.3	55.5	38.9	70	52-164	
2-Chloroethylvinyl ether	ug/kg	<2.3	55.5	11.4	21	43-183	CL,IH,M0
2-Chlorotoluene	ug/kg	<2.3	55.5	49.7	90	62-125	
2-Hexanone	ug/kg	<2.3	55.5	60.9	110	66-151	CH
4-Chlorotoluene	ug/kg	<2.3	55.5	45.8	83	62-125	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.3	55.5	55.5	100	63-154	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

MATRIX SPIKE SAMPLE:		230666					
Parameter	Units	7037146003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/kg	<2.3	55.5	280	505	23-196	CH,IH,M1
Benzene	ug/kg	<2.3	55.5	53.9	97	65-129	
Bromobenzene	ug/kg	<2.3	55.5	52.5	95	63-130	
Bromochloromethane	ug/kg	<2.3	55.5	41.4	75	78-136	M1
Bromodichloromethane	ug/kg	<2.3	55.5	54.7	99	74-141	
Bromoform	ug/kg	<2.3	55.5	52.6	95	59-136	
Bromomethane	ug/kg	<2.3	55.5	30.0	54	32-182	
Carbon disulfide	ug/kg	<2.3	55.5	33.1	60	26-160	
Carbon tetrachloride	ug/kg	<2.3	55.5	53.3	96	57-135	
Chlorobenzene	ug/kg	<2.3	55.5	53.3	96	62-136	
Chloroethane	ug/kg	<2.3	55.5	36.7	66	50-159	CL
Chloroform	ug/kg	<2.3	55.5	33.8	61	71-135	M1
Chloromethane	ug/kg	<2.3	55.5	27.1	49	44-139	CL
cis-1,2-Dichloroethene	ug/kg	<2.3	55.5	42.0	76	75-130	
cis-1,3-Dichloropropene	ug/kg	<2.3	55.5	49.6	89	74-140	
Dibromochloromethane	ug/kg	<2.3	55.5	60.0	108	71-133	
Dibromomethane	ug/kg	<2.3	55.5	56.1	101	75-136	
Dichlorodifluoromethane	ug/kg	<2.3	55.5	14.3	26	10-155	CL
Ethylbenzene	ug/kg	<2.3	55.5	54.5	98	59-135	
Hexachloro-1,3-butadiene	ug/kg	<2.3	55.5	31.9	58	19-152	
Isopropylbenzene (Cumene)	ug/kg	<2.3	55.5	54.1	98	56-129	
m&p-Xylene	ug/kg	<4.7	110	105	94	69-133	
Methyl-tert-butyl ether	ug/kg	<2.3	55.5	45.2	82	25-171	
Methylene Chloride	ug/kg	<2.3	55.5	49.2	89	50-164	
n-Butylbenzene	ug/kg	<2.3	55.5	40.9	74	54-121	
n-Propylbenzene	ug/kg	<2.3	55.5	49.3	89	56-125	
Naphthalene	ug/kg	<2.3	55.5	36.8	66	55-145	
o-Xylene	ug/kg	<2.3	55.5	53.4	96	71-135	
p-Isopropyltoluene	ug/kg	<2.3	55.5	46.0	83	54-126	
sec-Butylbenzene	ug/kg	<2.3	55.5	46.9	85	50-126	
Styrene	ug/kg	<2.3	55.5	49.9	90	73-133	
tert-Butylbenzene	ug/kg	<2.3	55.5	49.6	89	56-127	
Tetrachloroethene	ug/kg	<2.3	55.5	71.5	129	10-176	CH
Toluene	ug/kg	<2.3	55.5	51.8	93	66-131	
trans-1,2-Dichloroethene	ug/kg	<2.3	55.5	43.4	78	53-157	
trans-1,3-Dichloropropene	ug/kg	<2.3	55.5	47.7	86	66-144	
Trichloroethene	ug/kg	<2.3	55.5	50.1	90	62-130	
Trichlorofluoromethane	ug/kg	<2.3	55.5	40.1	72	38-166	
Vinyl acetate	ug/kg	<2.3	55.5	12.5	22	10-155	
Vinyl chloride	ug/kg	<2.3	55.5	35.4	64	45-137	CL
Xylene (Total)	ug/kg	<4.7	167	158	95	62-135	
1,2-Dichloroethane-d4 (S)	%				91	33-150	
4-Bromofluorobenzene (S)	%				99	34-145	
Toluene-d8 (S)	%				108	43-157	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

SAMPLE DUPLICATE: 230667

Parameter	Units	7037146003 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.3	<2.1		
1,1,1-Trichloroethane	ug/kg	<2.3	<2.1		
1,1,2,2-Tetrachloroethane	ug/kg	<2.3	<2.1		
1,1,2-Trichloroethane	ug/kg	<2.3	<2.1		
1,1-Dichloroethane	ug/kg	<2.3	<2.1		
1,1-Dichloroethene	ug/kg	<2.3	<2.1		
1,1-Dichloropropene	ug/kg	<2.3	<2.1		
1,2,3-Trichlorobenzene	ug/kg	<2.3	<2.1		
1,2,3-Trichloropropane	ug/kg	<2.3	<2.1		
1,2,4-Trichlorobenzene	ug/kg	<2.3	<2.1		
1,2,4-Trimethylbenzene	ug/kg	<2.3	<2.1		
1,2-Dibromo-3-chloropropane	ug/kg	<2.3	<2.1		
1,2-Dibromoethane (EDB)	ug/kg	<2.3	<2.1		
1,2-Dichlorobenzene	ug/kg	<2.3	<2.1		
1,2-Dichloroethane	ug/kg	<2.3	<2.1		
1,2-Dichloropropane	ug/kg	<2.3	<2.1		
1,3,5-Trimethylbenzene	ug/kg	<2.3	<2.1		
1,3-Dichlorobenzene	ug/kg	<2.3	<2.1		
1,3-Dichloropropane	ug/kg	<2.3	<2.1		
1,4-Dichlorobenzene	ug/kg	<2.3	<2.1		
2,2-Dichloropropane	ug/kg	<2.3	<2.1		
2-Butanone (MEK)	ug/kg	<2.3	<2.1		
2-Chloroethylvinyl ether	ug/kg	<2.3	<2.1		CL
2-Chlorotoluene	ug/kg	<2.3	<2.1		
2-Hexanone	ug/kg	<2.3	<2.1		
4-Chlorotoluene	ug/kg	<2.3	<2.1		
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.3	<2.1		
Acetone	ug/kg	<2.3	<2.1		
Benzene	ug/kg	<2.3	<2.1		
Bromobenzene	ug/kg	<2.3	<2.1		
Bromochloromethane	ug/kg	<2.3	<2.1		
Bromodichloromethane	ug/kg	<2.3	<2.1		
Bromoform	ug/kg	<2.3	<2.1		
Bromomethane	ug/kg	<2.3	<2.1		
Carbon disulfide	ug/kg	<2.3	<2.1		
Carbon tetrachloride	ug/kg	<2.3	<2.1		
Chlorobenzene	ug/kg	<2.3	<2.1		
Chloroethane	ug/kg	<2.3	<2.1		CL
Chloroform	ug/kg	<2.3	<2.1		
Chloromethane	ug/kg	<2.3	<2.1		CL
cis-1,2-Dichloroethene	ug/kg	<2.3	<2.1		
cis-1,3-Dichloropropene	ug/kg	<2.3	<2.1		
Dibromochloromethane	ug/kg	<2.3	<2.1		
Dibromomethane	ug/kg	<2.3	<2.1		
Dichlorodifluoromethane	ug/kg	<2.3	<2.1		CL
Ethylbenzene	ug/kg	<2.3	<2.1		
Hexachloro-1,3-butadiene	ug/kg	<2.3	<2.1		

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

SAMPLE DUPLICATE: 230667

Parameter	Units	7037146003 Result	Dup Result	RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/kg	<2.3	<2.1		
m&p-Xylene	ug/kg	<4.7	<4.2		
Methyl-tert-butyl ether	ug/kg	<2.3	<2.1		
Methylene Chloride	ug/kg	<2.3	<2.1		
n-Butylbenzene	ug/kg	<2.3	<2.1		
n-Propylbenzene	ug/kg	<2.3	<2.1		
Naphthalene	ug/kg	<2.3	<2.1		
o-Xylene	ug/kg	<2.3	<2.1		
p-Isopropyltoluene	ug/kg	<2.3	<2.1		
sec-Butylbenzene	ug/kg	<2.3	<2.1		
Styrene	ug/kg	<2.3	<2.1		
tert-Butylbenzene	ug/kg	<2.3	<2.1		
Tetrachloroethene	ug/kg	<2.3	<2.1		
Toluene	ug/kg	<2.3	<2.1		
trans-1,2-Dichloroethene	ug/kg	<2.3	<2.1		
trans-1,3-Dichloropropene	ug/kg	<2.3	<2.1		
Trichloroethene	ug/kg	<2.3	<2.1		
Trichlorofluoromethane	ug/kg	<2.3	<2.1		
Vinyl acetate	ug/kg	<2.3	<2.1		
Vinyl chloride	ug/kg	<2.3	<2.1		CL
Xylene (Total)	ug/kg	<4.7	<4.2		
1,2-Dichloroethane-d4 (S)	%	100	100	12	
4-Bromofluorobenzene (S)	%	98	101	8	
Toluene-d8 (S)	%	109	106	13	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

QC Batch:	48945	Analysis Method:	EPA 8081B
QC Batch Method:	EPA 3545A	Analysis Description:	8081 GCS Pesticides
Associated Lab Samples:	7037146005, 7037146006, 7037146011, 7037146012		

METHOD BLANK:	227743	Matrix:	Solid
Associated Lab Samples:	7037146005, 7037146006, 7037146011, 7037146012		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<3.3	3.3	12/11/17 18:44	
4,4'-DDE	ug/kg	<3.3	3.3	12/11/17 18:44	
4,4'-DDT	ug/kg	<3.3	3.3	12/11/17 18:44	
Aldrin	ug/kg	<1.7	1.7	12/11/17 18:44	
alpha-BHC	ug/kg	<1.7	1.7	12/11/17 18:44	
alpha-Chlordane	ug/kg	<1.7	1.7	12/11/17 18:44	
beta-BHC	ug/kg	<1.7	1.7	12/11/17 18:44	
delta-BHC	ug/kg	<1.7	1.7	12/11/17 18:44	
Dieldrin	ug/kg	<3.3	3.3	12/11/17 18:44	
Endosulfan I	ug/kg	<1.7	1.7	12/11/17 18:44	
Endosulfan II	ug/kg	<3.3	3.3	12/11/17 18:44	
Endosulfan sulfate	ug/kg	<3.3	3.3	12/11/17 18:44	
Endrin	ug/kg	<3.3	3.3	12/11/17 18:44	
Endrin aldehyde	ug/kg	<3.3	3.3	12/11/17 18:44	
Endrin ketone	ug/kg	<3.3	3.3	12/11/17 18:44	
gamma-BHC (Lindane)	ug/kg	<1.7	1.7	12/11/17 18:44	
gamma-Chlordane	ug/kg	<1.7	1.7	12/11/17 18:44	
Heptachlor	ug/kg	<1.7	1.7	12/11/17 18:44	
Heptachlor epoxide	ug/kg	<1.7	1.7	12/11/17 18:44	
Methoxychlor	ug/kg	<17.0	17.0	12/11/17 18:44	
Toxaphene	ug/kg	<170	170	12/11/17 18:44	
Decachlorobiphenyl (S)	%	67	30-150	12/11/17 18:44	
Tetrachloro-m-xylene (S)	%	46	30-150	12/11/17 18:44	

LABORATORY CONTROL SAMPLE: 227744

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	13.3	12.9	97	57-156	CH
4,4'-DDE	ug/kg	13.3	10.2	77	52-135	
4,4'-DDT	ug/kg	13.3	12.0	90	54-163	2j
Aldrin	ug/kg	13.3	8.7	66	49-129	
alpha-BHC	ug/kg	13.3	8.7	65	41-135	
alpha-Chlordane	ug/kg	13.3	9.7	73	43-128	
beta-BHC	ug/kg	13.3	9.7	73	42-158	
delta-BHC	ug/kg	13.3	11.9	90	48-142	CH
Dieldrin	ug/kg	13.3	10.8	81	57-147	
Endosulfan I	ug/kg	13.3	8.8	66	54-145	
Endosulfan II	ug/kg	13.3	10	75	61-137	
Endosulfan sulfate	ug/kg	13.3	12.0	90	51-154	
Endrin	ug/kg	13.3	11.0	82	50-160	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

LABORATORY CONTROL SAMPLE: 227744

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin aldehyde	ug/kg	13.3	12.9	97	31-159	CH
Endrin ketone	ug/kg	13.3	12.7	95	43-171	CH
gamma-BHC (Lindane)	ug/kg	13.3	9.6	72	39-146	
gamma-Chlordane	ug/kg	13.3	13.5	101	43-134	
Heptachlor	ug/kg	13.3	9.9	74	52-142	CH
Heptachlor epoxide	ug/kg	13.3	10.5	79	49-128	
Methoxychlor	ug/kg	13.3	<17.0	109	41-188	
Decachlorobiphenyl (S)	%			92	30-150	
Tetrachloro-m-xylene (S)	%			59	30-150	

LABORATORY CONTROL SAMPLE: 227745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toxaphene	ug/kg	667	706	106	45-146	
Decachlorobiphenyl (S)	%			83	30-150	
Tetrachloro-m-xylene (S)	%			53	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 227881 227882

Parameter	Units	7037146012		MS		MSD		MS		MSD		MS		MSD		% Rec		Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	% Rec	Conc.	% Rec	Conc.	% Rec	Conc.			
4,4'-DDD	ug/kg	<3.6	14.5	14.5	14.5	14.8	15.0	103	104	57-156	1	CH								
4,4'-DDE	ug/kg	<3.6	14.5	14.5	14.5	10.7	10.9	74	76	52-135	2									
4,4'-DDT	ug/kg	<3.6	14.5	14.5	14.5	9.3	8.4	64	58	64-127	11	1j,M1								
Aldrin	ug/kg	<1.9	14.5	14.5	14.5	9.0	9.2	62	64	35-147	2									
alpha-BHC	ug/kg	<1.9	14.5	14.5	14.5	9.6	9.8	66	68	41-135	2									
alpha-Chlordane	ug/kg	<1.9	14.5	14.5	14.5	10.4	10.5	72	73	43-128	2									
beta-BHC	ug/kg	<1.9	14.5	14.5	14.5	9.7	10.0	67	70	42-158	3									
delta-BHC	ug/kg	<1.9	14.5	14.5	14.5	12.9	13.2	89	91	48-142	2	CH								
Dieldrin	ug/kg	<3.6	14.5	14.5	14.5	11.6	11.9	80	83	47-134	3									
Endosulfan I	ug/kg	<1.9	14.5	14.5	14.5	9.1	9.3	63	64	54-145	2									
Endosulfan II	ug/kg	<3.6	14.5	14.5	14.5	10.2	10.2	70	70	61-137	0									
Endosulfan sulfate	ug/kg	<3.6	14.5	14.5	14.5	12.0	11.9	83	83	51-154	0									
Endrin	ug/kg	<3.6	14.5	14.5	14.5	11.9	11.9	82	82	37-146	0									
Endrin aldehyde	ug/kg	<3.6	14.5	14.5	14.5	11.9	11.6	82	80	31-159	3	CH								
Endrin ketone	ug/kg	<3.6	14.5	14.5	14.5	11.7	11.8	81	82	43-171	1	CH								
gamma-BHC (Lindane)	ug/kg	<1.9	14.5	14.5	14.5	10.2	10.6	71	73	44-139	3									
gamma-Chlordane	ug/kg	<1.9	14.5	14.5	14.5	13.0	13.5	90	93	43-134	4									
Heptachlor	ug/kg	<1.9	14.5	14.5	14.5	10.6	10.9	73	76	57-148	3	CH								
Heptachlor epoxide	ug/kg	<1.9	14.5	14.5	14.5	10.8	11.0	75	76	49-128	1									
Methoxychlor	ug/kg	<18.5	14.5	14.5	14.5	<18.5	<18.4	84	79	41-188										
Toxaphene	ug/kg	<185				<185	<184													
Decachlorobiphenyl (S)	%							81	77	30-150										
Tetrachloro-m-xylene (S)	%							51	51	30-150										

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

QC Batch: 48947 Analysis Method: EPA 8082A
QC Batch Method: EPA 3545A Analysis Description: 8082 GCS PCB
Associated Lab Samples: 7037146005, 7037146006, 7037146011, 7037146012

METHOD BLANK: 227749 Matrix: Solid
Associated Lab Samples: 7037146005, 7037146006, 7037146011, 7037146012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	12/12/17 02:23	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	12/12/17 02:23	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	12/12/17 02:23	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	12/12/17 02:23	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	12/12/17 02:23	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	12/12/17 02:23	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	12/12/17 02:23	
Decachlorobiphenyl (S)	%	64	30-150	12/12/17 02:23	
Tetrachloro-m-xylene (S)	%	66	30-150	12/12/17 02:23	

LABORATORY CONTROL SAMPLE: 227750

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	114	69	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	121	72	45-154	
Decachlorobiphenyl (S)	%			65	30-150	
Tetrachloro-m-xylene (S)	%			65	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 227884 227885

Parameter	Units	7037146012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<35.9	181	181	137	152	76	84	28-173	10	
PCB-1221 (Aroclor 1221)	ug/kg	<72.9			<72.8	<72.7					
PCB-1232 (Aroclor 1232)	ug/kg	<35.9			<35.9	<35.8					
PCB-1242 (Aroclor 1242)	ug/kg	<35.9			<35.9	<35.8					
PCB-1248 (Aroclor 1248)	ug/kg	<35.9			<35.9	<35.8					
PCB-1254 (Aroclor 1254)	ug/kg	<35.9			<35.9	<35.8					
PCB-1260 (Aroclor 1260)	ug/kg	<35.9	181	181	146	163	80	90	43-138	11	
Decachlorobiphenyl (S)	%						69	75	30-150		
Tetrachloro-m-xylene (S)	%						67	68	30-150		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

QC Batch: 49150 Analysis Method: EPA 8151A
QC Batch Method: EPA 8151A Analysis Description: 8151 GCS Herbicides
Associated Lab Samples: 7037146005, 7037146006, 7037146011, 7037146012

METHOD BLANK: 228617 Matrix: Solid
Associated Lab Samples: 7037146005, 7037146006, 7037146011, 7037146012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/kg	<5.0	5.0	12/10/17 13:20	
2,4,5-TP (Silvex)	ug/kg	<5.0	5.0	12/10/17 13:20	
2,4-D	ug/kg	<10	10	12/10/17 13:20	
Dicamba	ug/kg	<3.0	3.0	12/10/17 13:20	
2,4-DCAA (S)	%	68	29-136	12/10/17 13:20	

LABORATORY CONTROL SAMPLE: 228618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/kg	19.9	16.5	83	16-136	
2,4,5-TP (Silvex)	ug/kg	19.9	15.9	80	12-146	
2,4-D	ug/kg	59.6	45.5	76	25-157	
Dicamba	ug/kg	19.9	13.4	67	16-136	
2,4-DCAA (S)	%			76	29-136	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 228619 228620

Parameter	Units	7037146005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-T	ug/kg	<5.5	21.9	21.8	10.2	11.9	46	54	16-136	15	
2,4,5-TP (Silvex)	ug/kg	<5.5	21.9	21.8	12.7	13.7	56	61	12-146	8	
2,4-D	ug/kg	<11.0	65.7	65.5	34.2	34.7	49	50	25-157	1	
Dicamba	ug/kg	<3.3	21.9	21.8	11.1	11.2	50	51	16-136	1	
2,4-DCAA (S)	%						59	68	29-136		

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

QC Batch: 48699 Analysis Method: EPA 8270D
QC Batch Method: EPA 3545A Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 7037146005, 7037146006, 7037146011, 7037146012

METHOD BLANK: 226687 Matrix: Solid
Associated Lab Samples: 7037146005, 7037146006, 7037146011, 7037146012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	12/07/17 18:41	
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	12/07/17 18:41	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	12/07/17 18:41	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	12/07/17 18:41	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	12/07/17 18:41	
2,4-Dinitrophenol	ug/kg	<67.0	67.0	12/07/17 18:41	CL
2,4-Dinitrotoluene	ug/kg	<330	330	12/07/17 18:41	
2,6-Dinitrotoluene	ug/kg	<330	330	12/07/17 18:41	
2-Chloronaphthalene	ug/kg	<67.0	67.0	12/07/17 18:41	
2-Chlorophenol	ug/kg	<67.0	67.0	12/07/17 18:41	
2-Methylnaphthalene	ug/kg	<67.0	67.0	12/07/17 18:41	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	12/07/17 18:41	
2-Nitroaniline	ug/kg	<330	330	12/07/17 18:41	
2-Nitrophenol	ug/kg	<330	330	12/07/17 18:41	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	12/07/17 18:41	
3,3'-Dichlorobenzidine	ug/kg	<330	330	12/07/17 18:41	
3-Nitroaniline	ug/kg	<330	330	12/07/17 18:41	
4,6-Dinitro-2-methylphenol	ug/kg	<67.0	67.0	12/07/17 18:41	CL
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	12/07/17 18:41	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	12/07/17 18:41	
4-Chloroaniline	ug/kg	<330	330	12/07/17 18:41	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	12/07/17 18:41	
4-Nitroaniline	ug/kg	<330	330	12/07/17 18:41	
4-Nitrophenol	ug/kg	<67.0	67.0	12/07/17 18:41	
Acenaphthene	ug/kg	<67.0	67.0	12/07/17 18:41	
Acenaphthylene	ug/kg	<67.0	67.0	12/07/17 18:41	
Anthracene	ug/kg	<67.0	67.0	12/07/17 18:41	
Benzo(a)anthracene	ug/kg	<67.0	67.0	12/07/17 18:41	
Benzo(a)pyrene	ug/kg	<67.0	67.0	12/07/17 18:41	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	12/07/17 18:41	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	12/07/17 18:41	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	12/07/17 18:41	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	12/07/17 18:41	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	12/07/17 18:41	
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	12/07/17 18:41	
Butylbenzylphthalate	ug/kg	<67.0	67.0	12/07/17 18:41	
Carbazole	ug/kg	<67.0	67.0	12/07/17 18:41	
Chrysene	ug/kg	<67.0	67.0	12/07/17 18:41	
Di-n-butylphthalate	ug/kg	<67.0	67.0	12/07/17 18:41	
Di-n-octylphthalate	ug/kg	<67.0	67.0	12/07/17 18:41	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	12/07/17 18:41	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

METHOD BLANK: 226687

Matrix: Solid

Associated Lab Samples: 7037146005, 7037146006, 7037146011, 7037146012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenzofuran	ug/kg	<67.0	67.0	12/07/17 18:41	
Diethylphthalate	ug/kg	<67.0	67.0	12/07/17 18:41	
Dimethylphthalate	ug/kg	<67.0	67.0	12/07/17 18:41	
Fluoranthene	ug/kg	<67.0	67.0	12/07/17 18:41	
Fluorene	ug/kg	<67.0	67.0	12/07/17 18:41	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	12/07/17 18:41	
Hexachlorobenzene	ug/kg	<67.0	67.0	12/07/17 18:41	
Hexachlorocyclopentadiene	ug/kg	<330	330	12/07/17 18:41	CL,IC
Hexachloroethane	ug/kg	<67.0	67.0	12/07/17 18:41	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	12/07/17 18:41	
Isophorone	ug/kg	<67.0	67.0	12/07/17 18:41	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	12/07/17 18:41	
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	12/07/17 18:41	
Naphthalene	ug/kg	<67.0	67.0	12/07/17 18:41	
Nitrobenzene	ug/kg	<67.0	67.0	12/07/17 18:41	
Pentachlorophenol	ug/kg	<670	670	12/07/17 18:41	
Phenanthrene	ug/kg	<67.0	67.0	12/07/17 18:41	
Phenol	ug/kg	<67.0	67.0	12/07/17 18:41	
Pyrene	ug/kg	<67.0	67.0	12/07/17 18:41	
1,2-Dichlorobenzene-d4 (S)	%	69	20-130	12/07/17 18:41	
2,4,6-Tribromophenol (S)	%	73	19-122	12/07/17 18:41	
2-Chlorophenol-d4 (S)	%	79	20-130	12/07/17 18:41	
2-Fluorobiphenyl (S)	%	76	30-115	12/07/17 18:41	
2-Fluorophenol (S)	%	77	25-121	12/07/17 18:41	
Nitrobenzene-d5 (S)	%	75	23-120	12/07/17 18:41	
p-Terphenyl-d14 (S)	%	92	18-137	12/07/17 18:41	
Phenol-d5 (S)	%	80	24-113	12/07/17 18:41	

LABORATORY CONTROL SAMPLE: 226688

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1250	75	33-116	
2,4,5-Trichlorophenol	ug/kg	1670	1380	83	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	1350	81	45-110	
2,4-Dichlorophenol	ug/kg	1670	1330	80	41-117	
2,4-Dimethylphenol	ug/kg	1670	1230	74	24-96	
2,4-Dinitrophenol	ug/kg	1670	<670	25	10-80	CL
2,4-Dinitrotoluene	ug/kg	1670	1470	88	49-112	
2,6-Dinitrotoluene	ug/kg	1670	1450	87	50-109	
2-Chloronaphthalene	ug/kg	1670	1300	78	35-107	
2-Chlorophenol	ug/kg	1670	1310	78	36-109	
2-Methylnaphthalene	ug/kg	1670	1300	78	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	1300	78	36-104	
2-Nitroaniline	ug/kg	1670	1330	80	42-118	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

LABORATORY CONTROL SAMPLE: 226688

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitrophenol	ug/kg	1670	1320	79	36-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1200	72	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	1360	81	41-116	
3-Nitroaniline	ug/kg	1670	1070	64	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	<670	27	16-104	CL
4-Bromophenylphenyl ether	ug/kg	1670	1370	82	50-116	
4-Chloro-3-methylphenol	ug/kg	1670	1410	85	45-118	
4-Chloroaniline	ug/kg	1670	1200	72	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	1370	82	48-111	
4-Nitroaniline	ug/kg	1670	1090	65	46-110	
4-Nitrophenol	ug/kg	1670	1380	83	26-118	
Acenaphthene	ug/kg	1670	1340	81	45-109	
Acenaphthylene	ug/kg	1670	1370	82	43-107	
Anthracene	ug/kg	1670	1450	87	50-117	
Benzo(a)anthracene	ug/kg	1670	1530	92	52-116	
Benzo(a)pyrene	ug/kg	1670	1520	91	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1440	86	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	1740	104	30-107	
Benzo(k)fluoranthene	ug/kg	1670	1540	93	54-124	
bis(2-Chloroethoxy)methane	ug/kg	1670	1290	77	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	1340	80	32-116	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1600	96	60-127	
Butylbenzylphthalate	ug/kg	1670	1580	95	54-130	
Carbazole	ug/kg	1670	1510	91	40-120	
Chrysene	ug/kg	1670	1490	89	48-121	
Di-n-butylphthalate	ug/kg	1670	1600	96	53-124	
Di-n-octylphthalate	ug/kg	1670	1570	94	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	1730	104	52-109	
Dibenzofuran	ug/kg	1670	1370	82	48-112	
Diethylphthalate	ug/kg	1670	1430	86	51-114	
Dimethylphthalate	ug/kg	1670	1400	84	49-112	
Fluoranthene	ug/kg	1670	1510	91	45-126	
Fluorene	ug/kg	1670	1380	83	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	1170	70	36-118	
Hexachlorobenzene	ug/kg	1670	1400	84	51-110	
Hexachlorocyclopentadiene	ug/kg	1670	1410	85	10-97	CL,IC,IH
Hexachloroethane	ug/kg	1670	1180	71	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1690	101	50-108	
Isophorone	ug/kg	1670	1340	80	14-129	
N-Nitroso-di-n-propylamine	ug/kg	1670	1310	79	33-109	
N-Nitrosodiphenylamine	ug/kg	1670	1420	85	39-90	
Naphthalene	ug/kg	1670	1310	79	18-142	
Nitrobenzene	ug/kg	1670	1320	79	36-119	
Pentachlorophenol	ug/kg	1670	932	56	22-115	
Phenanthrene	ug/kg	1670	1450	87	47-124	
Phenol	ug/kg	1670	1330	80	38-104	
Pyrene	ug/kg	1670	1490	90	49-132	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

LABORATORY CONTROL SAMPLE: 226688

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%			68	20-130	
2,4,6-Tribromophenol (S)	%			79	19-122	
2-Chlorophenol-d4 (S)	%			79	20-130	
2-Fluorobiphenyl (S)	%			75	30-115	
2-Fluorophenol (S)	%			78	25-121	
Nitrobenzene-d5 (S)	%			75	23-120	
p-Terphenyl-d14 (S)	%			84	18-137	
Phenol-d5 (S)	%			79	24-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 226826 226827

Parameter	Units	7037004006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,2'-Oxybis(1-chloropropane)	ug/kg	<72.3	1790	1790	1040	990	58	55	33-116	5	
2,4,5-Trichlorophenol	ug/kg	<72.3	1790	1790	1180	1170	66	65	45-111	1	
2,4,6-Trichlorophenol	ug/kg	<72.3	1790	1790	1050	1100	59	62	45-110	5	
2,4-Dichlorophenol	ug/kg	<72.3	1790	1790	1070	1110	60	62	41-117	4	
2,4-Dimethylphenol	ug/kg	<72.3	1790	1790	169	130	9	7	24-96	26	M1
2,4-Dinitrophenol	ug/kg	<72.3	1790	1790	<719	<721	26	29	10-80		CL
2,4-Dinitrotoluene	ug/kg	<356	1790	1790	1310	1320	73	74	49-112	1	
2,6-Dinitrotoluene	ug/kg	<356	1790	1790	1280	1350	72	75	50-109	5	
2-Chloronaphthalene	ug/kg	<72.3	1790	1790	1140	1170	64	65	35-107	3	
2-Chlorophenol	ug/kg	<72.3	1790	1790	1010	1030	56	58	36-109	2	
2-Methylnaphthalene	ug/kg	<72.3	1790	1790	1120	1120	62	63	31-135	1	
2-Methylphenol(o-Cresol)	ug/kg	<72.3	1790	1790	729	696	41	39	36-104	5	
2-Nitroaniline	ug/kg	<356	1790	1790	1210	1300	68	73	42-118	7	
2-Nitrophenol	ug/kg	<356	1790	1790	1100	1180	61	66	36-117	7	
3&4-Methylphenol(m&p Cresol)	ug/kg	<72.3	1790	1790	830	879	46	49	37-137	6	
3,3'-Dichlorobenzidine	ug/kg	<356	1790	1790	1120	986	62	55	41-116	12	
3-Nitroaniline	ug/kg	<356	1790	1790	1180	1190	66	66	40-95	1	
4,6-Dinitro-2-methylphenol	ug/kg	<72.3	1790	1790	<719	745	34	42	16-104		CL
4-Bromophenylphenyl ether	ug/kg	<72.3	1790	1790	1220	1320	68	73	50-116	8	
4-Chloro-3-methylphenol	ug/kg	<72.3	1790	1790	1130	1240	63	69	45-118	9	
4-Chloroaniline	ug/kg	<356	1790	1790	957	948	53	53	29-88	1	
4-Chlorophenylphenyl ether	ug/kg	<72.3	1790	1790	1200	1250	67	70	48-111	4	
4-Nitroaniline	ug/kg	<356	1790	1790	1200	1210	67	68	46-110	1	
4-Nitrophenol	ug/kg	<72.3	1790	1790	1200	1310	67	73	26-118	8	
Acenaphthene	ug/kg	<72.3	1790	1790	1210	1240	67	69	45-109	2	
Acenaphthylene	ug/kg	<72.3	1790	1790	1230	1230	69	69	43-107	0	
Anthracene	ug/kg	<72.3	1790	1790	1330	1400	74	78	50-117	5	
Benzo(a)anthracene	ug/kg	<72.3	1790	1790	1380	1460	77	81	52-116	6	
Benzo(a)pyrene	ug/kg	<72.3	1790	1790	1400	1460	78	81	56-119	4	
Benzo(b)fluoranthene	ug/kg	<72.3	1790	1790	1350	1410	75	79	45-122	5	
Benzo(g,h,i)perylene	ug/kg	<72.3	1790	1790	1630	1700	91	95	30-107	4	

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 226826 226827											
Parameter	Units	7037004006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzo(k)fluoranthene	ug/kg	<72.3	1790	1790	1420	1500	79	84	54-124	5	
bis(2-Chloroethoxy)methane	ug/kg	<72.3	1790	1790	1110	1180	62	66	29-112	6	
bis(2-Chloroethyl) ether	ug/kg	<72.3	1790	1790	979	976	55	54	32-116	0	
bis(2-Ethylhexyl)phthalate	ug/kg	<72.3	1790	1790	1460	1590	82	88	60-127	8	
Butylbenzylphthalate	ug/kg	<72.3	1790	1790	1440	1530	81	86	54-130	6	
Carbazole	ug/kg	<72.3	1790	1790	1350	1420	75	79	40-120	5	
Chrysene	ug/kg	<72.3	1790	1790	1400	1470	78	82	48-121	5	
Di-n-butylphthalate	ug/kg	<72.3	1790	1790	1470	1550	82	87	53-124	6	
Di-n-octylphthalate	ug/kg	<72.3	1790	1790	1480	1550	83	87	46-141	5	
Dibenz(a,h)anthracene	ug/kg	<72.3	1790	1790	1590	1640	89	91	52-109	3	
Dibenzofuran	ug/kg	<72.3	1790	1790	1230	1240	69	69	48-112	0	
Diethylphthalate	ug/kg	<72.3	1790	1790	1280	1330	72	74	51-114	4	
Dimethylphthalate	ug/kg	<72.3	1790	1790	1220	1290	68	72	49-112	5	
Fluoranthene	ug/kg	<72.3	1790	1790	1390	1480	78	83	45-126	6	
Fluorene	ug/kg	<72.3	1790	1790	1240	1280	69	71	47-108	3	
Hexachloro-1,3-butadiene	ug/kg	<72.3	1790	1790	956	859	53	48	36-118	11	
Hexachlorobenzene	ug/kg	<72.3	1790	1790	1260	1310	70	73	51-110	4	
Hexachlorocyclopentadiene	ug/kg	<356	1790	1790	1330	1260	74	70	10-97	6	CL,IC,IH
Hexachloroethane	ug/kg	<72.3	1790	1790	900	767	50	43	34-105	16	
Indeno(1,2,3-cd)pyrene	ug/kg	<72.3	1790	1790	1530	1600	85	89	50-108	5	
Isophorone	ug/kg	<72.3	1790	1790	1130	1210	63	67	14-129	6	
N-Nitroso-di-n-propylamine	ug/kg	<72.3	1790	1790	1100	1190	62	66	33-109	7	
N-Nitrosodiphenylamine	ug/kg	<72.3	1790	1790	955	956	53	53	39-90	0	
Naphthalene	ug/kg	<72.3	1790	1790	1110	1070	62	60	18-142	4	
Nitrobenzene	ug/kg	<72.3	1790	1790	1080	1090	60	61	36-119	0	
Pentachlorophenol	ug/kg	<72.3	1790	1790	923	1000	52	56	22-115	8	
Phenanthrene	ug/kg	<72.3	1790	1790	1300	1380	73	77	47-124	6	
Phenol	ug/kg	<72.3	1790	1790	1060	1120	59	62	38-104	6	
Pyrene	ug/kg	<72.3	1790	1790	1390	1450	78	81	49-132	4	
1,2-Dichlorobenzene-d4 (S)	%						49	39	20-130		
2,4,6-Tribromophenol (S)	%						54	49	19-122		
2-Chlorophenol-d4 (S)	%						59	57	20-130		
2-Fluorobiphenyl (S)	%						62	60	30-115		
2-Fluorophenol (S)	%						57	57	25-121		
Nitrobenzene-d5 (S)	%						59	57	23-120		
p-Terphenyl-d14 (S)	%						72	77	18-137		
Phenol-d5 (S)	%						62	64	24-113		

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

QC Batch:	48884	Analysis Method:	ASTM D2216-92M
QC Batch Method:	ASTM D2216-92M	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	7037146001, 7037146002, 7037146003, 7037146004, 7037146005, 7037146006, 7037146007, 7037146008, 7037146009, 7037146010, 7037146011, 7037146012		

SAMPLE DUPLICATE: 227586

Parameter	Units	7037146001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	8.7	9.2	6	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ALCO 1386.001.001

Pace Project No.: 7037146

QC Batch: 49231 Analysis Method: EPA 9014 Total Cyanide

QC Batch Method: EPA 9010C Analysis Description: 9014 Total Cyanide

Associated Lab Samples: 7037146005, 7037146006, 7037146011, 7037146012

METHOD BLANK: 229079

Matrix: Solid

Associated Lab Samples: 7037146005, 7037146006, 7037146011, 7037146012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	<0.51	0.51	12/11/17 17:14	

LABORATORY CONTROL SAMPLE: 229080

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	57.7	61.5	107	11-189	

MATRIX SPIKE SAMPLE: 229081

Parameter	Units	7037146005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	<0.54	5.5	4.4	79	75-125	

SAMPLE DUPLICATE: 229082

Parameter	Units	7037146005 Result	Dup Result	RPD	Qualifiers
Cyanide	mg/kg	<0.54	<0.54		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: ALCO 1386.001.001
Pace Project No.: 7037146

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.

ANALYTE QUALIFIERS

1j	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low due to sample matrix.
2j	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low due to sample matrix..
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.
IC	The initial calibration for this compound was outside of method control limits. The 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.
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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7037146005	SC-39	EPA 3545A	48945	EPA 8081B	49173
7037146006	SC-40	EPA 3545A	48945	EPA 8081B	49173
7037146011	SC-41	EPA 3545A	48945	EPA 8081B	49173
7037146012	SC-42	EPA 3545A	48945	EPA 8081B	49173
7037146005	SC-39	EPA 3545A	48947	EPA 8082A	49298
7037146006	SC-40	EPA 3545A	48947	EPA 8082A	49298
7037146011	SC-41	EPA 3545A	48947	EPA 8082A	49298
7037146012	SC-42	EPA 3545A	48947	EPA 8082A	49298
7037146005	SC-39	EPA 8151A	49150	EPA 8151A	49202
7037146006	SC-40	EPA 8151A	49150	EPA 8151A	49202
7037146011	SC-41	EPA 8151A	49150	EPA 8151A	49202
7037146012	SC-42	EPA 8151A	49150	EPA 8151A	49202
7037146005	SC-39	EPA 3050B	49097	EPA 6010C	49112
7037146006	SC-40	EPA 3050B	49097	EPA 6010C	49112
7037146011	SC-41	EPA 3050B	49097	EPA 6010C	49112
7037146012	SC-42	EPA 3050B	49097	EPA 6010C	49112
7037146005	SC-39	EPA 7471B	49100	EPA 7471B	49113
7037146006	SC-40	EPA 7471B	49100	EPA 7471B	49113
7037146011	SC-41	EPA 7471B	49100	EPA 7471B	49113
7037146012	SC-42	EPA 7471B	49100	EPA 7471B	49113
7037146005	SC-39	EPA 3545A	48699	EPA 8270D	48959
7037146006	SC-40	EPA 3545A	48699	EPA 8270D	48959
7037146011	SC-41	EPA 3545A	48699	EPA 8270D	48959
7037146012	SC-42	EPA 3545A	48699	EPA 8270D	48959
7037146001	S-86	EPA 5035A-L	49255	EPA 8260C	49266
7037146002	S-87	EPA 5035A-L	49255	EPA 8260C	49266
7037146003	S-88	EPA 5035A-L	49510	EPA 8260C	49646
7037146004	S-89	EPA 5035A-L	49255	EPA 8260C	49266
7037146007	S-90	EPA 5035A-L	49255	EPA 8260C	49266
7037146008	S-91	EPA 5035A-L	49255	EPA 8260C	49266
7037146009	S-92	EPA 5035A-L	49255	EPA 8260C	49266
7037146010	S-93	EPA 5035A-L	49255	EPA 8260C	49266
7037146001	S-86	ASTM D2216-92M	48884		
7037146002	S-87	ASTM D2216-92M	48884		
7037146003	S-88	ASTM D2216-92M	48884		
7037146004	S-89	ASTM D2216-92M	48884		
7037146005	SC-39	ASTM D2216-92M	48884		
7037146006	SC-40	ASTM D2216-92M	48884		
7037146007	S-90	ASTM D2216-92M	48884		
7037146008	S-91	ASTM D2216-92M	48884		
7037146009	S-92	ASTM D2216-92M	48884		
7037146010	S-93	ASTM D2216-92M	48884		
7037146011	SC-41	ASTM D2216-92M	48884		
7037146012	SC-42	ASTM D2216-92M	48884		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ALCO 1386.001.001

Pace Project No.: 7037146

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7037146005	SC-39	EPA 9010C	49231	EPA 9014 Total Cyanide	49291
7037146006	SC-40	EPA 9010C	49231	EPA 9014 Total Cyanide	49291
7037146011	SC-41	EPA 9010C	49231	EPA 9014 Total Cyanide	49291
7037146012	SC-42	EPA 9010C	49231	EPA 9014 Total Cyanide	49291

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Client Name: B&L

Project

WO#: 7037146

PM: CNP Due Date: 12/13/17

CLIENT: B&L

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

Tracking #: 4099 9470 7132

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No

Seals intact: ☒ Yes ☐ No

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

Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TH092

Correction Factor: 10.0

☐ Samples on Ice, cooling process has begun

Cooler Temperature (°C): 1.1

Cooler Temperature Corrected (°C): 1.1

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: JK 12/15/17

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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix SI WT OIL		
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> 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)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Residual chlorine strips Lot #		Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

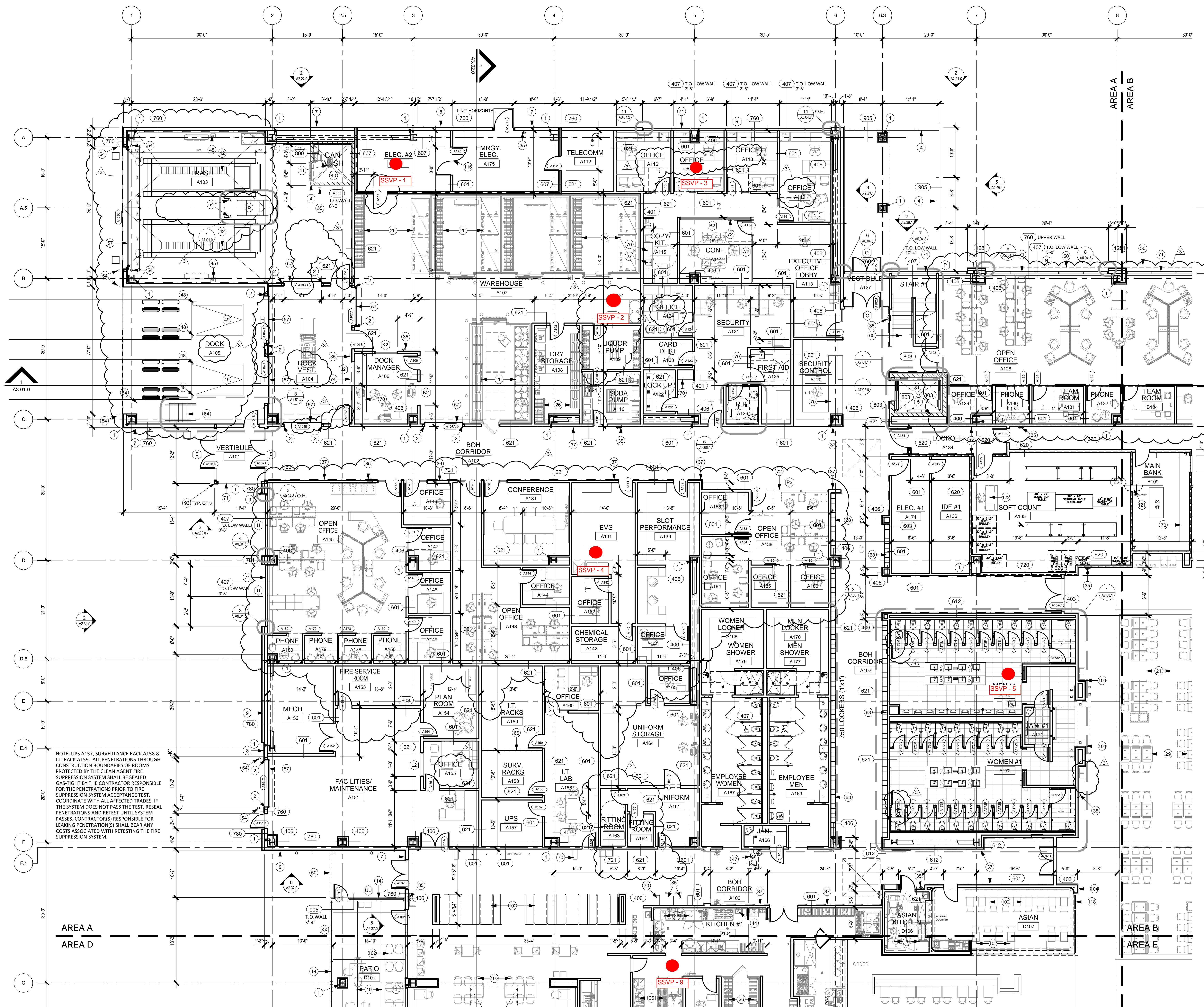
Date/Time:

Comments/ Resolution:

Attachment H

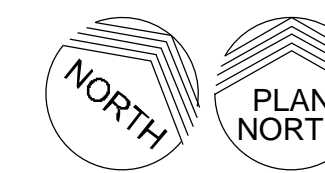
SVI Assessment Results

Positive Pressure Data Comparison			
	Sample Location	2017 Data	2018 Data
Rivers Casino	SSVP-1	-0.005'' wc	+0.001'' wc
	SSVP-8	-0.020'' wc	+0.00'' wc
	SSVP-9	-0.003'' wc	+0.001'' wc
	SSVP-12	Inaccessible	+0.090
	SSVP-15	-0.007'' wc	-0.001'' wc
	SSVP-18	-0.003'' wc	Inaccessible
	Net:	-0.038'' wc	0.091'' wc
Landings Hotel	Location 1	-	-0.81'' wc
	Location 2	-	-0.002'' wc
	Location 4	-	+0.00'' wc
	Location 5	-	+0.009'' wc
	Net:	-	-0.803'' wc



- KEY NOTES: FLOOR PLANS**
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1 FLOOR PLAN - AREA A - LEVEL 1
1/8" = 1'-0"



RIVERS CASINO
SCHENECTADY

KLAI JUBA WALD
architects

4444 W. Russell Road, Suite J
Las Vegas, NV 89118
(702) 221-2254

REGISTERED ARCHITECT
JOHN P. KLAJ
02411
STATE OF NEW YORK

KJA Job Number: 14012

NO.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	11-25-15
2	REVIEW COMMENTS	01-28-16
3	GENERAL REVISION	03-18-16

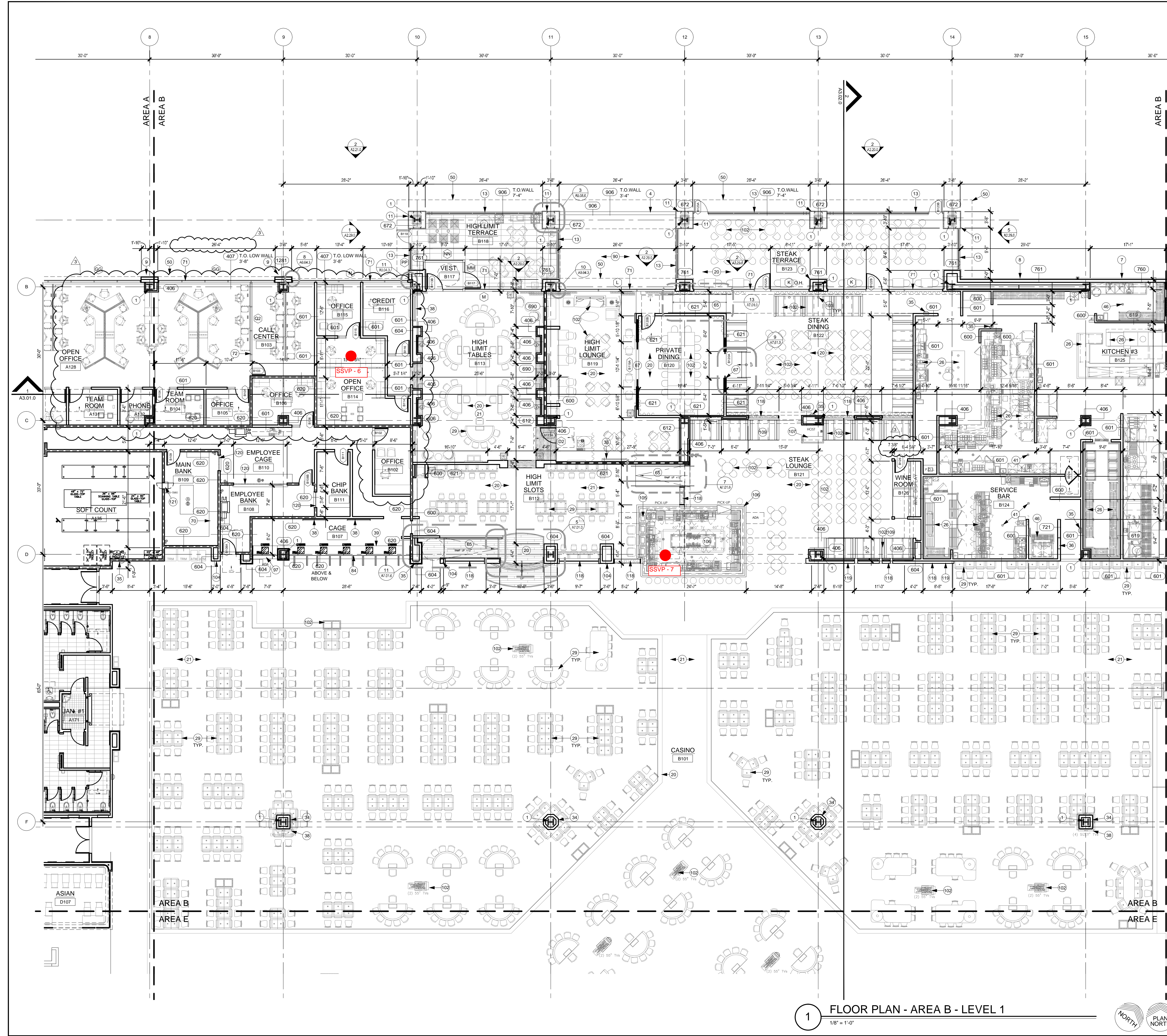
A	B	C
D	E	F

KEY PLAN

FLOOR PLAN
AREA A
LEVEL 1

LOW RISE

A1.01.A



- KEY NOTES: FLOOR PLANS**
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1 FLOOR PLAN - AREA B - LEVEL 1
1/8" = 1'-0"



RIVERS CASINO
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KLAI JUBA WALD
architects

4444 W. Russell Road, Suite J
Las Vegas, NV 89118
(702) 221-2254

REGISTERED ARCHITECT
JOHN R. KLAI
STATE OF NEW YORK

KJA Job Number: 14012

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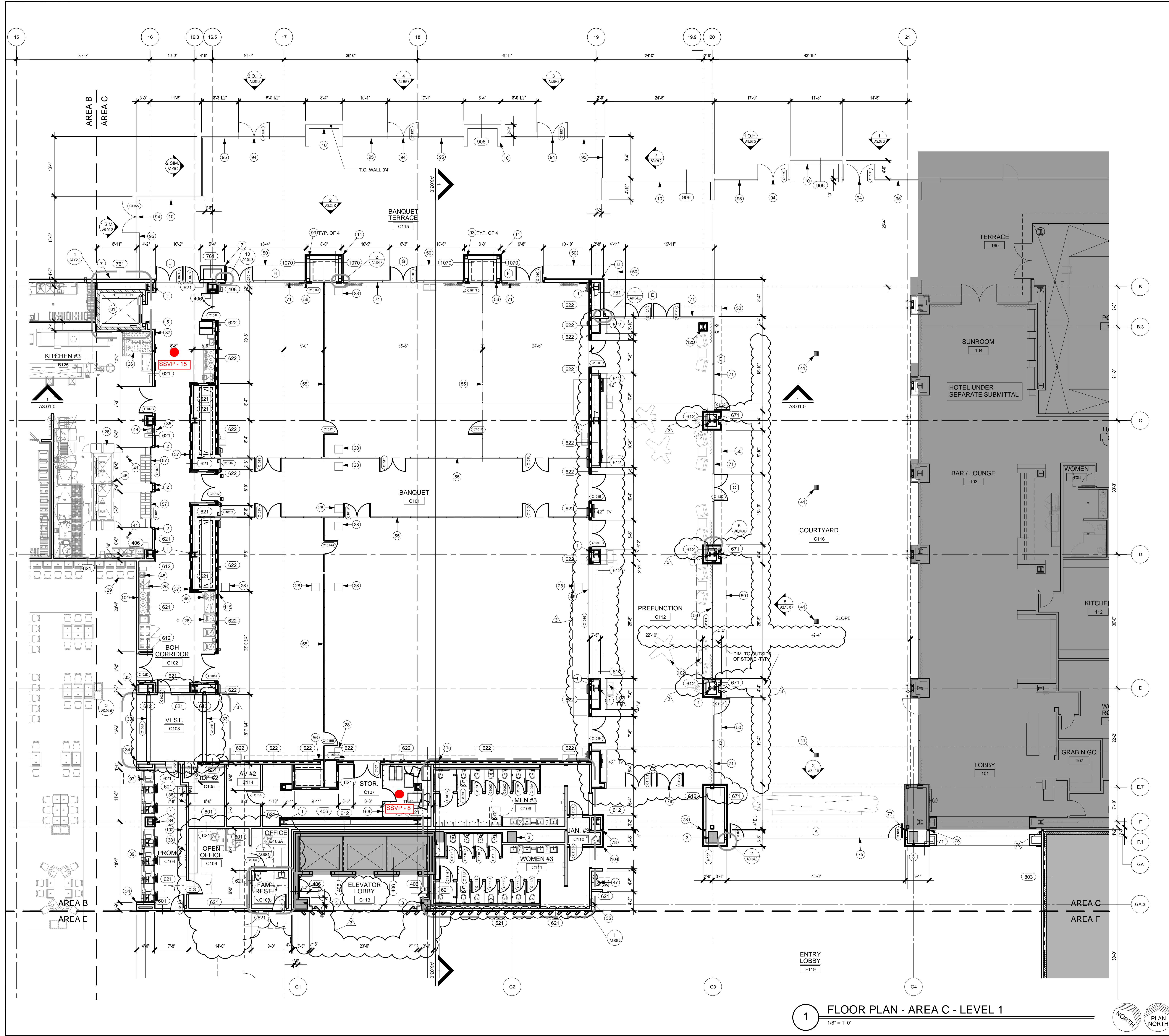
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D	E	F

KEY PLAN

FLOOR PLAN
AREA B
LEVEL 1

LOW RISE

A1.01.B



KEY NOTES: FLOOR PLANS

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KEY PLAN

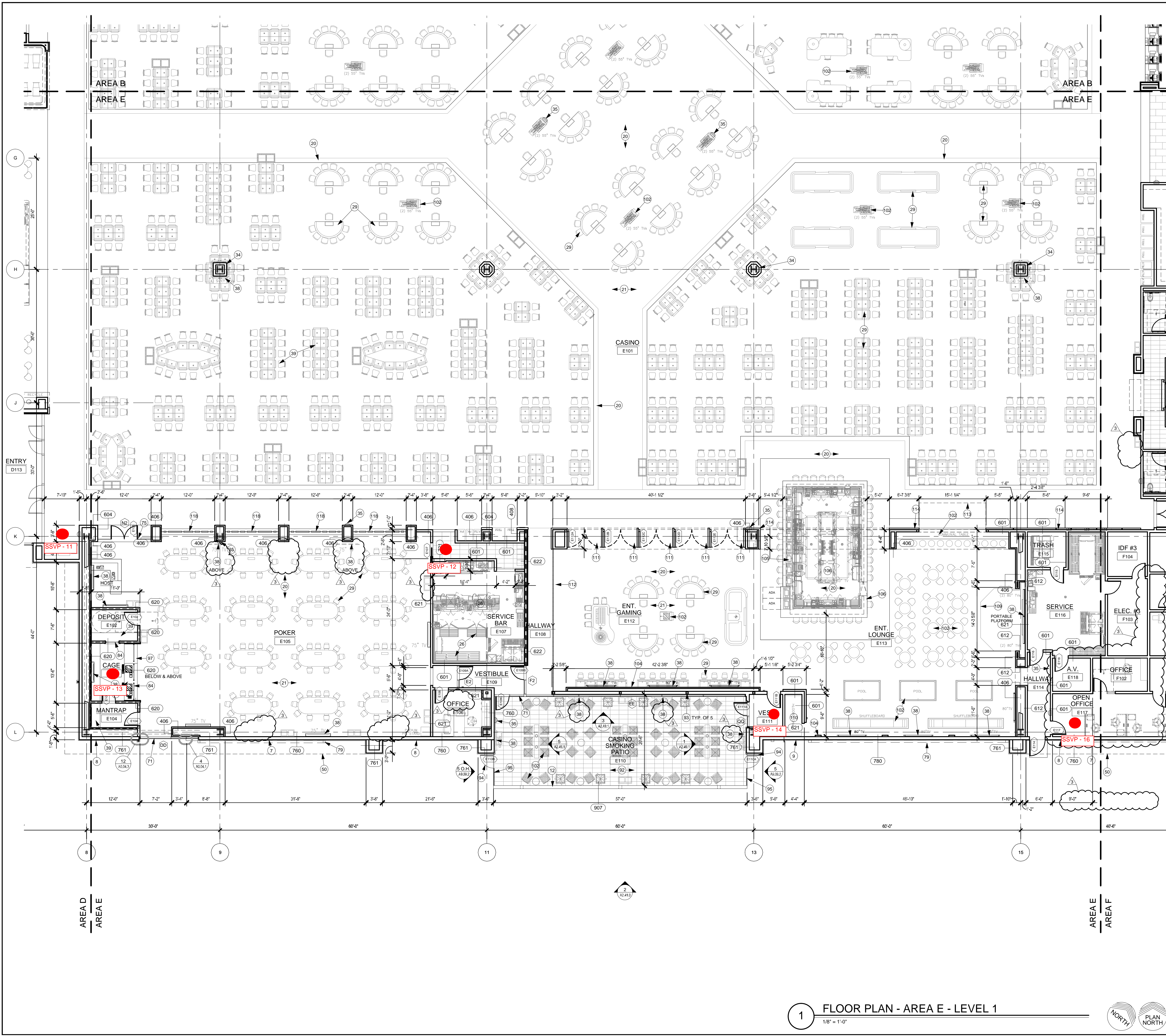
FLOOR PLAN
AREA C
LEVEL 1

LOW RISE

A1.01.C

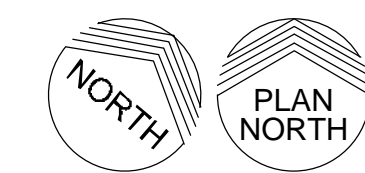
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1 FLOOR PLAN - AREA E - LEVEL 1
1/8" = 1'-0"



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John R. Klaji
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STATE OF NEW YORK

KJA Job Number: 14012

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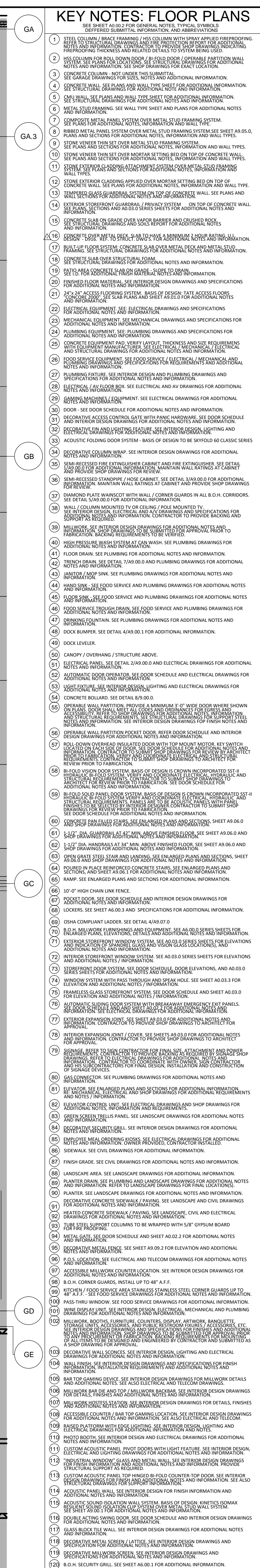
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KEY PLAN

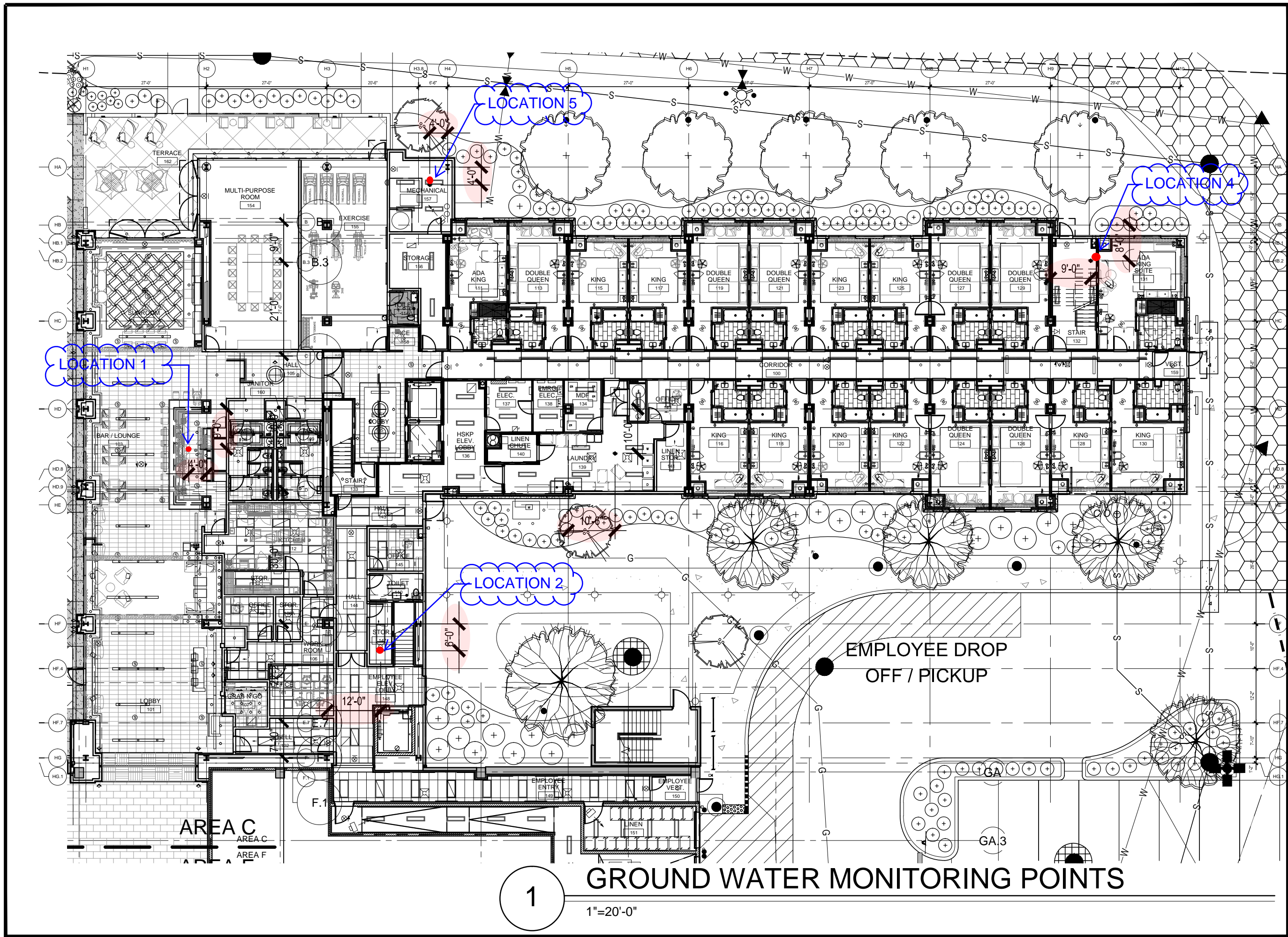
**FLOOR PLAN
AREA E
LEVEL 1**

LOW RISE

A1.01.E



Landings Hotel



Attachment I

Spill 1604483 Reports

From: Nathan J. Shaffer
Sent: Tuesday, December 13, 2016 1:33 PM
To: Strang, John (DEC) <john.strang@dec.ny.gov>
Cc: Ostrov, Rich (DEC) <rich.ostrov@dec.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Mustico, Richard X (DEC) <richard.mustico@dec.ny.gov>; Andrew Barber <ABarber@bartonandloguidice.com>; Rosemary J. McCormick <rmccormick@bartonandloguidice.com>
Subject: ALCO-Maxon Site C447042 - Parcel A - Spill #1604483 Monthly Report - November 2016

John,
As requested the following is the November, 2016 monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
November 2016

Date	Activity Description
11/1	Inspection
11/2	Inspection
11/3	Inspection
11/4	Inspection
11/8	Inspection
11/9	Inspection with NYSDEC JS, boom replacement
11/11	Inspection, boom replacement
11/15	Inspection
11/16	Inspection
11/18	Inspection
11/23	Inspection
11/29	Inspection
11/30	Inspection

During the inspection visits, adjustments were made to the booms for optimal containment and absorption of the residual sheen. In general, the sheen persisted behind the booms, but did not appear to visibly increase during the month of November; substantial sheens were not observed outside of the containment boom. The sheen was most prevalent in areas at the edge of the geosynthetic clay liner (which was installed during the injection work). New areas of riverbank seepage were not observed along the riverbank in the vicinity of the booms.

A total of three (3) groundwater samples were collected on October 14, 2016 from monitoring wells MW-71, MW-72, and MW-73 shown on the attached figure during the sampling event. Groundwater samples were analyzed for volatile organic compounds (VOCs) by USEPA Method 8260. Detections are summarized on the attached table. Additionally attached is the full analytical laboratory report provided by Pace Analytical Services, Inc.

The three (3) groundwater samples had one or more of the following at concentrations above their respective 6 NYCRR Part 703.5 Groundwater Quality Standards:

- Acetone,
- Chloromethane,
- Isopropylbenzene,
- n-Butylbenzene,
- n-Propylbenzene,
- p-Isopropyltoluene,
- sec-Butylbenzene, and
- Trichloroethene.

Site inspections for Spill 1604483 area will continue during the month of December, 2016; a minimum of two times a week or more frequently, as needed.

Spill 1604483 Monitoring Wells - Groundwater Sampling Summary

1. 6 NYCRR Part 703.5 Groundwater Quality Standards

- Not Detected

DF Dillution Factor

L1 Analyte recovery in the laboratory control sample was above the QC limits. Results for this analyte in associated samples may be biased high.

L3 Analyte recovery in the laboratory control sample was below the QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 Relative percent difference value was outside control limits.

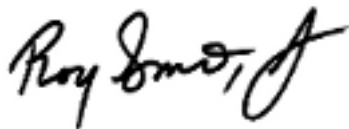
Pace Analytical e-Report

Report prepared for:
BARTON AND LOGUIDICE
10 AIRLINE DRIVE
ALBANY, NY 12205
CONTACT: ANDY BARBER

Project ID: ALCO
Sampling Date(s): October 14, 2016
Lab Report ID: 16100287
Client Service Contact: Nick Nicholas (518) 346-4592

Analysis Included:
VOCs E8260C - Sub Pace LI

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this document relate only to the samples included in this report. Pace Analytical is responsible only for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services.



Roy Smith
Technical Director



Certifications: New York (EPA: NY00906, ELAP: 11078), New Jersey (NY026), Connecticut (PH-0337),
Massachusetts (M-NY906), Virginia (460241)

Pace Analytical Services | 2190 Technology Drive | Schenectady, NY 12308
Phone: 518.346.4592 | internet: www.pacelabs.com

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Table of Contents

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Section 2: QUALIFIERS	6
Section 3: SAMPLE CHAIN OF CUSTODY	8
Section 4: SAMPLE RECEIPT	11
Section 5: Subcontract Analysis	13

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CASE NARRATIVE

November 10, 2016

CASE NARRATIVE

This data package (SDG ID: 16100287) consists of 4 water samples received on 10/14/2016. The samples are from Project Name: ALCO.

This sample delivery group consists of the following samples:

<u>Lab Sample ID</u>	<u>Client ID</u>	<u>Collection Date</u>
AT27942	MW-71	10/14/2016 09:05
AT27943	MW-72	10/14/2016 08:50
AT27944	MW-73	10/14/2016 08:40
AT27945	DUP-X	10/14/2016

Sample Delivery and Receipt Conditions

- (1.) All samples were delivered to the laboratory via DROP OFF delivery service on 10/14/2016.
- (2.) All samples were received at the laboratory intact and within holding times.
- (3.) All samples were received at the laboratory properly preserved, if applicable.

Subcontract Analysis

Please see the Pace Analytical Services Long Island laboratory report for method and quality assurance details pertaining to Volatile Organic Compound analysis.

Respectfully submitted,



Nick Nicholas
Project Manager

QUALIFIERS

Definitions

B - Denotes analyte observed in associated method blank or extraction blank. Analyte concentration should be considered as estimated.

D - Surrogate was diluted. The analysis of the sample required a dilution such that the surrogate concentration was diluted outside the laboratory acceptance criteria.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be reanalyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Practical Quantitation Limit (PQL).

MDL – Adjusted Method Detection Limit.

P - Indicates relative percent difference (RPD) between primary and secondary gas chromatograph (GC) column analysis exceeds 40 % or indicates percent difference (PD) between primary and secondary gas chromatograph (GC) column analysis exceeds 25 %.

PQL – Practical Quantitation Limit. PQLs are adjusted for sample weight/volume and dilution factors.

RL - Reporting Limit Denotes lowest analyte concentration reportable for the sample based on regulatory or project specific limits.

U - Denotes analyte not detected at concentration greater than the Practical Quantitation Limit (PQL) or the Reporting Limit (RL) or the Method Detection Limit (MDL) as applicable.

Z - Chromatographic interference due to polychlorinated biphenyl (PCB) co-elution.

* - Value not within control limits.

SAMPLE CHAIN OF CUSTODY



161002872

Sample Condition Upon Receipt

CLIENT NAME: B+LPROJECT: ALCOCOURIER: FedEx ☐ UPS ☐ Client ☒ Pace ☐ Other ☐TRACKING # N/ACUSTODY SEAL PRESENT: Yes ☐ No ☒INTACT: Yes ☐ No ☐ N/A ☒PACKING MATERIAL: Bubble Wrap ☐Bubble Bags ☒None ☐Other ☐ICE USED: Wet ☒Blue ☐None ☐THERMOMETER USED: #164 ☐ IR Gun 03 ☒ #160239773 ☐ #160239773-PRB ☐COOLER TEMPERATURE (°C): 3.7BIOLOGICAL TISSUE IS FROZEN: Yes ☐ No ☐ N/A ☒

COMMENTS:

Temperature is Acceptable?

☒ Yes☐ No

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3.
Sampler Name / Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.
- Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	11.
- Includes date/time/ID/Analysis			12.
All containers needing preservation have been checked:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
All containers needing preservation are in compliance with EPA recommendation:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
- Exceptions that are not checked: TOC, VOA, Subcontract Analyses			
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Trip Blank Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Trip Blank Custody Seals Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Pace Trip Blank Lot #: <u>101216-0830-TB</u>			

Sample Receipt form filled in: AA 10/25/16

Line-Out (Includes Copying Shipping Documents and verifying sample pH):

Log In (Includes notifying PM of any discrepancies and documenting in LIMS):

Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook):

CSW 10/17/16
AJB 10/15/16
CSW 10/17/16

SAMPLE RECEIPT



SAMPLE RECEIPT REPORT

16100287

Pace Analytical Services
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

CLIENT: BARTON AND LOGUIDICE
PROJECT: ALCO
LRF: 16100287
REPORT: ANALYTICAL REPORT
EDD: YES
LRF TAT: 7 DAYS

RECEIVED DATE: 10/14/2016 09:35
SHIPPED VIA: DROP OFF ¹
SHIPPING ID: R. MCCORMICK/BAR-AL ³
NUMBER OF COOLERS: 1
CUSTODY SEAL INTACT: NA
COOLER STATUS: CHILLED
TEMPERATURE(S): 5.7 (IR) °C

SAMPLE SEALS INTACT: NA
SAMPLES PRESERVED PER METHOD GUIDANCE: YES
SAMPLES REC'D IN HOLDTIME: YES
DISPOSAL: BY LAB (45 DAYS)
COC DISCREPANCY: NO

COMMENTS:

CLIENT ID (LAB ID)	TAT-DUE Date ⁴	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUEST
MW-71 (AT27942)	7 DAYS 10-25-16	10/14/2016 09:05	Water	VOCs E8260C	VOCs E8260C - Sub Pace LI	
MW-72 (AT27943)	7 DAYS 10-25-16	10/14/2016 08:50	Water	VOCs E8260C	VOCs E8260C - Sub Pace LI	
MW-73 (AT27944)	7 DAYS 10-25-16	10/14/2016 08:40	Water	VOCs E8260C	VOCs E8260C - Sub Pace LI	MS, MSD
DUP-X (AT27945)	7 DAYS 10-25-16	10/14/2016	Water	VOCs E8260C	VOCs E8260C - Sub Pace LI	

¹The pH preservation check of Oil and Grease (Method 1664) and Total Organic Carbon (Method 5310B) are performed as soon as possible after sample receipt and may not be included in this report.

²The pH preservation check of aqueous volatile samples is not performed until after the analysis of the sample to maintain zero headspace and is not included in this report.

³Samples received for pH analysis are not marked as a hold time exceedance here. SW-846 methods suggests analysis to be done within 15 minutes of sample collection. Because of transportation time it is not possible for the laboratory to perform the test in that time. Sample Certificates of Analysis reports are noted as such.

⁴Samples arriving at the laboratory after 4:00 pm are assigned a due date as if they arrived the following business day unless other arrangements have been made.

The due date represents the date the lab report is expected to be completed on or before 5:00 pm (EST) for the date specified.

⁵All samples which require thermal preservation shall be considered acceptable when received greater than 6 degrees Celsius if they are collected on the same day as received and there is evidence that the chilling process has begun, such as arrival on ice. Control limits are between 0-6 Degrees Celsius. Control limits do not apply for metals analysis.

⁶Samples requesting analysis for Orthophosphate (SM 4500-P E-99,-11) require the samples to be filtered in the field within 15 minutes of the sampling event. Samples that are received unfiltered will be noted as not method compliant on the Certificates of Analysis.

Reporting Parameters and Lists

Subcontract Analysis

November 07, 2016

Nick Nicholas

2190 Technology Drive
Schenectady, NY 12308

RE: Project: 16100287 - B&L ALCO STD
Pace Project No.: 702354

Dear Nick Nicholas:

Enclosed are the analytical results for sample(s) received by the laboratory on October 18, 2016. 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,



Jennifer Aracri for
Caitlin Panzarella
caitlin.panzarella@pacelabs.com
Project Manager

Enclosures

cc: Nicole Johnson

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REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

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: 16100287 - B&L ALCO STD

Pace Project No.: 702354

Sample: MW-71		Lab ID: 702354001	Collected: 10/14/16 09:05	Received: 10/18/16 09:00	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		10/21/16 00:17	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		10/21/16 00:17	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		10/21/16 00:17	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		10/21/16 00:17	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		10/21/16 00:17	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		10/21/16 00:17	75-35-4	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		10/21/16 00:17	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		10/21/16 00:17	96-18-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	120-82-1	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	95-63-6	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		10/21/16 00:17	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		10/21/16 00:17	106-93-4	L3
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		10/21/16 00:17	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		10/21/16 00:17	78-87-5	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		10/21/16 00:17	142-28-9	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	106-46-7	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		10/21/16 00:17	594-20-7	
2-Butanone (MEK)	6.7	ug/L	1.0	1		10/21/16 00:17	78-93-3	
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		10/21/16 00:17	110-75-8	L2,c2
2-Chlorotoluene	<1.0	ug/L	1.0	1		10/21/16 00:17	95-49-8	L3
2-Hexanone	<1.0	ug/L	1.0	1		10/21/16 00:17	591-78-6	
4-Chlorotoluene	<1.0	ug/L	1.0	1		10/21/16 00:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	1		10/21/16 00:17	108-10-1	
Acetone	137	ug/L	5.0	1		10/21/16 00:17	67-64-1	
Benzene	<1.0	ug/L	1.0	1		10/21/16 00:17	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		10/21/16 00:17	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		10/21/16 00:17	75-27-4	L3
Bromoform	<1.0	ug/L	1.0	1		10/21/16 00:17	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		10/21/16 00:17	74-83-9	
Carbon disulfide	1.3	ug/L	1.0	1		10/21/16 00:17	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		10/21/16 00:17	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	108-90-7	
Chloroethane	1.4	ug/L	1.0	1		10/21/16 00:17	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		10/21/16 00:17	67-66-3	
Chloromethane	1.2	ug/L	1.0	1		10/21/16 00:17	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		10/21/16 00:17	124-48-1	
Dibromomethane	<1.0	ug/L	1.0	1		10/21/16 00:17	74-95-3	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		10/21/16 00:17	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		10/21/16 00:17	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		10/21/16 00:17	98-82-8	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		10/21/16 00:17	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

Sample: MW-71		Lab ID: 702354001		Collected: 10/14/16 09:05		Received: 10/18/16 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Methylene Chloride	2.0	ug/L	1.0	1		10/21/16 00:17	75-09-2		
Naphthalene	1.2	ug/L	1.0	1		10/21/16 00:17	91-20-3		
Styrene	<1.0	ug/L	1.0	1		10/21/16 00:17	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		10/21/16 00:17	127-18-4		
Toluene	<1.0	ug/L	1.0	1		10/21/16 00:17	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		10/21/16 00:17	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		10/21/16 00:17	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		10/21/16 00:17	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		10/21/16 00:17	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		10/21/16 00:17	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		10/21/16 00:17	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		10/21/16 00:17	10061-01-5	L3	
m&p-Xylene	<2.0	ug/L	2.0	1		10/21/16 00:17	179601-23-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	104-51-8		
n-Propylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		10/21/16 00:17	95-47-6		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		10/21/16 00:17	99-87-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	135-98-8	L3	
tert-Butylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:17	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		10/21/16 00:17	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		10/21/16 00:17	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%.	68-153	1		10/21/16 00:17	17060-07-0		
4-Bromofluorobenzene (S)	97	%.	79-124	1		10/21/16 00:17	460-00-4		
Toluene-d8 (S)	90	%.	69-124	1		10/21/16 00:17	2037-26-5		

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ANALYTICAL RESULTS

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

Sample: MW-72		Lab ID: 702354002	Collected: 10/14/16 08:50	Received: 10/18/16 09:00	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		10/21/16 00:35	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		10/21/16 00:35	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		10/21/16 00:35	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		10/21/16 00:35	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		10/21/16 00:35	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		10/21/16 00:35	75-35-4	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		10/21/16 00:35	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:35	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		10/21/16 00:35	96-18-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:35	120-82-1	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:35	95-63-6	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		10/21/16 00:35	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		10/21/16 00:35	106-93-4	L3
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:35	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		10/21/16 00:35	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		10/21/16 00:35	78-87-5	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:35	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:35	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		10/21/16 00:35	142-28-9	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:35	106-46-7	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		10/21/16 00:35	594-20-7	
2-Butanone (MEK)	5.0	ug/L	1.0	1		10/21/16 00:35	78-93-3	
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		10/21/16 00:35	110-75-8	L2,c2
2-Chlorotoluene	<1.0	ug/L	1.0	1		10/21/16 00:35	95-49-8	L3
2-Hexanone	<1.0	ug/L	1.0	1		10/21/16 00:35	591-78-6	
4-Chlorotoluene	<1.0	ug/L	1.0	1		10/21/16 00:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	1		10/21/16 00:35	108-10-1	
Acetone	152	ug/L	5.0	1		10/21/16 00:35	67-64-1	
Benzene	<1.0	ug/L	1.0	1		10/21/16 00:35	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		10/21/16 00:35	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		10/21/16 00:35	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		10/21/16 00:35	75-27-4	L3
Bromoform	<1.0	ug/L	1.0	1		10/21/16 00:35	75-25-2	
Bromomethane	1.3	ug/L	1.0	1		10/21/16 00:35	74-83-9	
Carbon disulfide	37.0	ug/L	1.0	1		10/21/16 00:35	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		10/21/16 00:35	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:35	108-90-7	
Chloroethane	1.4	ug/L	1.0	1		10/21/16 00:35	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		10/21/16 00:35	67-66-3	
Chloromethane	24.0	ug/L	1.0	1		10/21/16 00:35	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		10/21/16 00:35	124-48-1	
Dibromomethane	<1.0	ug/L	1.0	1		10/21/16 00:35	74-95-3	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		10/21/16 00:35	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:35	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		10/21/16 00:35	87-68-3	
Isopropylbenzene (Cumene)	8.3	ug/L	1.0	1		10/21/16 00:35	98-82-8	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		10/21/16 00:35	1634-04-4	

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ANALYTICAL RESULTS

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

Sample: MW-72		Lab ID: 702354002		Collected: 10/14/16 08:50		Received: 10/18/16 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Methylene Chloride	<1.0	ug/L	1.0	1		10/21/16 00:35	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		10/21/16 00:35	91-20-3		
Styrene	<1.0	ug/L	1.0	1		10/21/16 00:35	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		10/21/16 00:35	127-18-4		
Toluene	<1.0	ug/L	1.0	1		10/21/16 00:35	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		10/21/16 00:35	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		10/21/16 00:35	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		10/21/16 00:35	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		10/21/16 00:35	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		10/21/16 00:35	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		10/21/16 00:35	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		10/21/16 00:35	10061-01-5	L3	
m&p-Xylene	<2.0	ug/L	2.0	1		10/21/16 00:35	179601-23-1		
n-Butylbenzene	4.6	ug/L	1.0	1		10/21/16 00:35	104-51-8		
n-Propylbenzene	6.8	ug/L	1.0	1		10/21/16 00:35	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		10/21/16 00:35	95-47-6		
p-Isopropyltoluene	1.7	ug/L	1.0	1		10/21/16 00:35	99-87-6		
sec-Butylbenzene	6.6	ug/L	1.0	1		10/21/16 00:35	135-98-8	L1	
tert-Butylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:35	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		10/21/16 00:35	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		10/21/16 00:35	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%.	68-153	1		10/21/16 00:35	17060-07-0		
4-Bromofluorobenzene (S)	93	%.	79-124	1		10/21/16 00:35	460-00-4		
Toluene-d8 (S)	87	%.	69-124	1		10/21/16 00:35	2037-26-5		

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ANALYTICAL RESULTS

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

Sample: MW-73		Lab ID: 702354003	Collected: 10/14/16 08:40	Received: 10/18/16 09:00	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	<5.0	ug/L	5.0	5		10/22/16 06:21	630-20-6	
1,1,1-Trichloroethane	<5.0	ug/L	5.0	5		10/22/16 06:21	71-55-6	
1,1,2,2-Tetrachloroethane	<5.0	ug/L	5.0	5		10/22/16 06:21	79-34-5	
1,1,2-Trichloroethane	<5.0	ug/L	5.0	5		10/22/16 06:21	79-00-5	
1,1-Dichloroethane	<5.0	ug/L	5.0	5		10/22/16 06:21	75-34-3	
1,1-Dichloroethene	<5.0	ug/L	5.0	5		10/22/16 06:21	75-35-4	
1,1-Dichloropropene	<5.0	ug/L	5.0	5		10/22/16 06:21	563-58-6	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	5		10/22/16 06:21	87-61-6	R1
1,2,3-Trichloropropane	<5.0	ug/L	5.0	5		10/22/16 06:21	96-18-4	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	5		10/22/16 06:21	120-82-1	
1,2,4-Trimethylbenzene	<5.0	ug/L	5.0	5		10/22/16 06:21	95-63-6	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	5.0	5		10/22/16 06:21	96-12-8	
1,2-Dibromoethane (EDB)	<5.0	ug/L	5.0	5		10/22/16 06:21	106-93-4	
1,2-Dichlorobenzene	<5.0	ug/L	5.0	5		10/22/16 06:21	95-50-1	
1,2-Dichloroethane	<5.0	ug/L	5.0	5		10/22/16 06:21	107-06-2	
1,2-Dichloropropane	<5.0	ug/L	5.0	5		10/22/16 06:21	78-87-5	
1,3,5-Trimethylbenzene	<5.0	ug/L	5.0	5		10/22/16 06:21	108-67-8	
1,3-Dichlorobenzene	<5.0	ug/L	5.0	5		10/22/16 06:21	541-73-1	
1,3-Dichloropropane	<5.0	ug/L	5.0	5		10/22/16 06:21	142-28-9	
1,4-Dichlorobenzene	<5.0	ug/L	5.0	5		10/22/16 06:21	106-46-7	
2,2-Dichloropropane	<5.0	ug/L	5.0	5		10/22/16 06:21	594-20-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	5		10/22/16 06:21	78-93-3	
2-Chloroethylvinyl ether	<5.0	ug/L	5.0	5		10/22/16 06:21	110-75-8	M1,c2
2-Chlorotoluene	<5.0	ug/L	5.0	5		10/22/16 06:21	95-49-8	L3
2-Hexanone	<5.0	ug/L	5.0	5		10/22/16 06:21	591-78-6	
4-Chlorotoluene	<5.0	ug/L	5.0	5		10/22/16 06:21	106-43-4	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	5		10/22/16 06:21	108-10-1	
Acetone	44.1	ug/L	25.0	5		10/22/16 06:21	67-64-1	
Benzene	<5.0	ug/L	5.0	5		10/22/16 06:21	71-43-2	
Bromobenzene	<5.0	ug/L	5.0	5		10/22/16 06:21	108-86-1	L3,M0
Bromochloromethane	<5.0	ug/L	5.0	5		10/22/16 06:21	74-97-5	
Bromodichloromethane	<5.0	ug/L	5.0	5		10/22/16 06:21	75-27-4	
Bromoform	<5.0	ug/L	5.0	5		10/22/16 06:21	75-25-2	
Bromomethane	<5.0	ug/L	5.0	5		10/22/16 06:21	74-83-9	
Carbon disulfide	<5.0	ug/L	5.0	5		10/22/16 06:21	75-15-0	
Carbon tetrachloride	<5.0	ug/L	5.0	5		10/22/16 06:21	56-23-5	
Chlorobenzene	<5.0	ug/L	5.0	5		10/22/16 06:21	108-90-7	
Chloroethane	<5.0	ug/L	5.0	5		10/22/16 06:21	75-00-3	
Chloroform	<5.0	ug/L	5.0	5		10/22/16 06:21	67-66-3	
Chloromethane	11.7	ug/L	5.0	5		10/22/16 06:21	74-87-3	
Dibromochloromethane	<5.0	ug/L	5.0	5		10/22/16 06:21	124-48-1	
Dibromomethane	<5.0	ug/L	5.0	5		10/22/16 06:21	74-95-3	
Dichlorodifluoromethane	<5.0	ug/L	5.0	5		10/22/16 06:21	75-71-8	
Ethylbenzene	<5.0	ug/L	5.0	5		10/22/16 06:21	100-41-4	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	5		10/22/16 06:21	87-68-3	
Isopropylbenzene (Cumene)	75.9	ug/L	5.0	5		10/22/16 06:21	98-82-8	
Methyl-tert-butyl ether	<5.0	ug/L	5.0	5		10/22/16 06:21	1634-04-4	

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ANALYTICAL RESULTS

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

Sample: MW-73		Lab ID: 702354003		Collected: 10/14/16 08:40		Received: 10/18/16 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Methylene Chloride	<5.0	ug/L	5.0	5		10/22/16 06:21	75-09-2	R1	
Naphthalene	<5.0	ug/L	5.0	5		10/22/16 06:21	91-20-3		
Styrene	<5.0	ug/L	5.0	5		10/22/16 06:21	100-42-5		
Tetrachloroethene	<5.0	ug/L	5.0	5		10/22/16 06:21	127-18-4		
Toluene	<5.0	ug/L	5.0	5		10/22/16 06:21	108-88-3		
Trichloroethene	5.3	ug/L	5.0	5		10/22/16 06:21	79-01-6		
Trichlorofluoromethane	<5.0	ug/L	5.0	5		10/22/16 06:21	75-69-4		
Vinyl acetate	<5.0	ug/L	5.0	5		10/22/16 06:21	108-05-4		
Vinyl chloride	<5.0	ug/L	5.0	5		10/22/16 06:21	75-01-4		
Xylene (Total)	<5.0	ug/L	5.0	5		10/22/16 06:21	1330-20-7		
cis-1,2-Dichloroethene	<5.0	ug/L	5.0	5		10/22/16 06:21	156-59-2		
cis-1,3-Dichloropropene	<5.0	ug/L	5.0	5		10/22/16 06:21	10061-01-5		
m&p-Xylene	<10.0	ug/L	10.0	5		10/22/16 06:21	179601-23-1		
n-Butylbenzene	33.7	ug/L	5.0	5		10/22/16 06:21	104-51-8	M1	
n-Propylbenzene	112	ug/L	5.0	5		10/22/16 06:21	103-65-1		
o-Xylene	<5.0	ug/L	5.0	5		10/22/16 06:21	95-47-6		
p-Isopropyltoluene	10.8	ug/L	5.0	5		10/22/16 06:21	99-87-6	M1	
sec-Butylbenzene	46.5	ug/L	5.0	5		10/22/16 06:21	135-98-8	M1	
tert-Butylbenzene	<5.0	ug/L	5.0	5		10/22/16 06:21	98-06-6		
trans-1,2-Dichloroethene	<5.0	ug/L	5.0	5		10/22/16 06:21	156-60-5		
trans-1,3-Dichloropropene	<5.0	ug/L	5.0	5		10/22/16 06:21	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	93	%.	68-153	5		10/22/16 06:21	17060-07-0		
4-Bromofluorobenzene (S)	93	%.	79-124	5		10/22/16 06:21	460-00-4		
Toluene-d8 (S)	90	%.	69-124	5		10/22/16 06:21	2037-26-5		

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ANALYTICAL RESULTS

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

Sample: DUP-X		Lab ID: 702354004	Collected: 10/14/16 00:00	Received: 10/18/16 09:00	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		10/21/16 00:53	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		10/21/16 00:53	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		10/21/16 00:53	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		10/21/16 00:53	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		10/21/16 00:53	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		10/21/16 00:53	75-35-4	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		10/21/16 00:53	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:53	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		10/21/16 00:53	96-18-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:53	120-82-1	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:53	95-63-6	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		10/21/16 00:53	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		10/21/16 00:53	106-93-4	L3
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:53	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		10/21/16 00:53	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		10/21/16 00:53	78-87-5	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:53	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:53	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		10/21/16 00:53	142-28-9	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:53	106-46-7	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		10/21/16 00:53	594-20-7	
2-Butanone (MEK)	5.1	ug/L	1.0	1		10/21/16 00:53	78-93-3	
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		10/21/16 00:53	110-75-8	L2,c2
2-Chlorotoluene	<1.0	ug/L	1.0	1		10/21/16 00:53	95-49-8	L3
2-Hexanone	<1.0	ug/L	1.0	1		10/21/16 00:53	591-78-6	
4-Chlorotoluene	<1.0	ug/L	1.0	1		10/21/16 00:53	106-43-4	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	1		10/21/16 00:53	108-10-1	
Acetone	159	ug/L	5.0	1		10/21/16 00:53	67-64-1	
Benzene	<1.0	ug/L	1.0	1		10/21/16 00:53	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		10/21/16 00:53	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		10/21/16 00:53	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		10/21/16 00:53	75-27-4	L3
Bromoform	<1.0	ug/L	1.0	1		10/21/16 00:53	75-25-2	
Bromomethane	1.3	ug/L	1.0	1		10/21/16 00:53	74-83-9	
Carbon disulfide	36.7	ug/L	1.0	1		10/21/16 00:53	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		10/21/16 00:53	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		10/21/16 00:53	108-90-7	
Chloroethane	1.4	ug/L	1.0	1		10/21/16 00:53	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		10/21/16 00:53	67-66-3	
Chloromethane	24.8	ug/L	1.0	1		10/21/16 00:53	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		10/21/16 00:53	124-48-1	
Dibromomethane	<1.0	ug/L	1.0	1		10/21/16 00:53	74-95-3	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		10/21/16 00:53	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:53	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		10/21/16 00:53	87-68-3	
Isopropylbenzene (Cumene)	8.2	ug/L	1.0	1		10/21/16 00:53	98-82-8	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		10/21/16 00:53	1634-04-4	

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ANALYTICAL RESULTS

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

Sample: DUP-X		Lab ID: 702354004		Collected: 10/14/16 00:00		Received: 10/18/16 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Methylene Chloride	<1.0	ug/L	1.0	1		10/21/16 00:53	75-09-2		
Naphthalene	<1.0	ug/L	1.0	1		10/21/16 00:53	91-20-3		
Styrene	<1.0	ug/L	1.0	1		10/21/16 00:53	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		10/21/16 00:53	127-18-4		
Toluene	<1.0	ug/L	1.0	1		10/21/16 00:53	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		10/21/16 00:53	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		10/21/16 00:53	75-69-4		
Vinyl acetate	<1.0	ug/L	1.0	1		10/21/16 00:53	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		10/21/16 00:53	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		10/21/16 00:53	1330-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		10/21/16 00:53	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		10/21/16 00:53	10061-01-5	L3	
m&p-Xylene	<2.0	ug/L	2.0	1		10/21/16 00:53	179601-23-1		
n-Butylbenzene	4.7	ug/L	1.0	1		10/21/16 00:53	104-51-8		
n-Propylbenzene	6.9	ug/L	1.0	1		10/21/16 00:53	103-65-1		
o-Xylene	<1.0	ug/L	1.0	1		10/21/16 00:53	95-47-6		
p-Isopropyltoluene	1.7	ug/L	1.0	1		10/21/16 00:53	99-87-6		
sec-Butylbenzene	6.8	ug/L	1.0	1		10/21/16 00:53	135-98-8	L1	
tert-Butylbenzene	<1.0	ug/L	1.0	1		10/21/16 00:53	98-06-6		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		10/21/16 00:53	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		10/21/16 00:53	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%.	68-153	1		10/21/16 00:53	17060-07-0		
4-Bromofluorobenzene (S)	95	%.	79-124	1		10/21/16 00:53	460-00-4		
Toluene-d8 (S)	88	%.	69-124	1		10/21/16 00:53	2037-26-5		

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QUALITY CONTROL DATA

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

QC Batch:	1411	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	702354001, 702354002, 702354004		

METHOD BLANK: 8620 Matrix: Water

Associated Lab Samples: 702354001, 702354002, 702354004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	10/20/16 18:19	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	10/20/16 18:19	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	10/20/16 18:19	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	10/20/16 18:19	
1,1-Dichloroethane	ug/L	<1.0	1.0	10/20/16 18:19	
1,1-Dichloroethene	ug/L	<1.0	1.0	10/20/16 18:19	
1,1-Dichloropropene	ug/L	<1.0	1.0	10/20/16 18:19	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	10/20/16 18:19	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	10/20/16 18:19	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	10/20/16 18:19	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	10/20/16 18:19	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	10/20/16 18:19	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	10/20/16 18:19	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	10/20/16 18:19	
1,2-Dichloroethane	ug/L	<1.0	1.0	10/20/16 18:19	
1,2-Dichloropropane	ug/L	<1.0	1.0	10/20/16 18:19	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	10/20/16 18:19	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	10/20/16 18:19	
1,3-Dichloropropane	ug/L	<1.0	1.0	10/20/16 18:19	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	10/20/16 18:19	
2,2-Dichloropropane	ug/L	<1.0	1.0	10/20/16 18:19	
2-Butanone (MEK)	ug/L	<1.0	1.0	10/20/16 18:19	
2-Chloroethylvinyl ether	ug/L	<1.0	1.0	10/20/16 18:19	
2-Chlorotoluene	ug/L	<1.0	1.0	10/20/16 18:19	
2-Hexanone	ug/L	<1.0	1.0	10/20/16 18:19	
4-Chlorotoluene	ug/L	<1.0	1.0	10/20/16 18:19	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.0	1.0	10/20/16 18:19	
Acetone	ug/L	<5.0	5.0	10/20/16 18:19	
Benzene	ug/L	<1.0	1.0	10/20/16 18:19	
Bromobenzene	ug/L	<1.0	1.0	10/20/16 18:19	
Bromochloromethane	ug/L	<1.0	1.0	10/20/16 18:19	
Bromodichloromethane	ug/L	<1.0	1.0	10/20/16 18:19	
Bromoform	ug/L	<1.0	1.0	10/20/16 18:19	
Bromomethane	ug/L	<1.0	1.0	10/20/16 18:19	
Carbon disulfide	ug/L	<1.0	1.0	10/20/16 18:19	
Carbon tetrachloride	ug/L	<1.0	1.0	10/20/16 18:19	
Chlorobenzene	ug/L	<1.0	1.0	10/20/16 18:19	
Chloroethane	ug/L	<1.0	1.0	10/20/16 18:19	
Chloroform	ug/L	<1.0	1.0	10/20/16 18:19	
Chloromethane	ug/L	<1.0	1.0	10/20/16 18:19	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	10/20/16 18:19	

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QUALITY CONTROL DATA

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

METHOD BLANK: 8620

Matrix: Water

Associated Lab Samples: 702354001, 702354002, 702354004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	10/20/16 18:19	
Dibromochloromethane	ug/L	<1.0	1.0	10/20/16 18:19	
Dibromomethane	ug/L	<1.0	1.0	10/20/16 18:19	
Dichlorodifluoromethane	ug/L	<1.0	1.0	10/20/16 18:19	
Ethylbenzene	ug/L	<1.0	1.0	10/20/16 18:19	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	10/20/16 18:19	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	10/20/16 18:19	
m&p-Xylene	ug/L	<2.0	2.0	10/20/16 18:19	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	10/20/16 18:19	
Methylene Chloride	ug/L	<1.0	1.0	10/20/16 18:19	
n-Butylbenzene	ug/L	<1.0	1.0	10/20/16 18:19	
n-Propylbenzene	ug/L	<1.0	1.0	10/20/16 18:19	
Naphthalene	ug/L	<1.0	1.0	10/20/16 18:19	
o-Xylene	ug/L	<1.0	1.0	10/20/16 18:19	
p-Isopropyltoluene	ug/L	<1.0	1.0	10/20/16 18:19	
sec-Butylbenzene	ug/L	<1.0	1.0	10/20/16 18:19	
Styrene	ug/L	<1.0	1.0	10/20/16 18:19	
tert-Butylbenzene	ug/L	<1.0	1.0	10/20/16 18:19	
Tetrachloroethene	ug/L	<1.0	1.0	10/20/16 18:19	
Toluene	ug/L	<1.0	1.0	10/20/16 18:19	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	10/20/16 18:19	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	10/20/16 18:19	
Trichloroethene	ug/L	<1.0	1.0	10/20/16 18:19	
Trichlorofluoromethane	ug/L	<1.0	1.0	10/20/16 18:19	
Vinyl acetate	ug/L	<1.0	1.0	10/20/16 18:19	
Vinyl chloride	ug/L	<1.0	1.0	10/20/16 18:19	
Xylene (Total)	ug/L	<1.0	1.0	10/20/16 18:19	
1,2-Dichloroethane-d4 (S)	%	95	68-153	10/20/16 18:19	
4-Bromofluorobenzene (S)	%	108	79-124	10/20/16 18:19	
Toluene-d8 (S)	%	90	69-124	10/20/16 18:19	

LABORATORY CONTROL SAMPLE: 8621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.2	104	74-113	
1,1,1-Trichloroethane	ug/L	50	55.5	111	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	52.9	106	74-121	
1,1,2-Trichloroethane	ug/L	50	56.4	113	80-117	
1,1-Dichloroethane	ug/L	50	56.1	112	83-151	
1,1-Dichloroethene	ug/L	50	49.2	98	45-146	
1,1-Dichloropropene	ug/L	50	56.2	112	59-127	
1,2,3-Trichlorobenzene	ug/L	50	47.9	96	67-103	
1,2,3-Trichloropropane	ug/L	50	51.0	102	71-123	
1,2,4-Trichlorobenzene	ug/L	50	48.1	96	66-116	

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QUALITY CONTROL DATA

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

LABORATORY CONTROL SAMPLE: 8621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	50.5	101	68-116	
1,2-Dibromo-3-chloropropane	ug/L	50	45.1	90	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	60.0	120	83-115	L0
1,2-Dichlorobenzene	ug/L	50	50.6	101	74-113	
1,2-Dichloroethane	ug/L	50	57.3	115	74-129	
1,2-Dichloropropane	ug/L	50	55.2	110	75-117	
1,3,5-Trimethylbenzene	ug/L	50	49.6	99	67-116	
1,3-Dichlorobenzene	ug/L	50	50.0	100	71-112	
1,3-Dichloropropane	ug/L	50	54.5	109	74-112	
1,4-Dichlorobenzene	ug/L	50	49.4	99	71-113	
2,2-Dichloropropane	ug/L	50	59.6	119	63-133	
2-Butanone (MEK)	ug/L	50	49.8	100	44-162	
2-Chloroethylvinyl ether	ug/L	50	<1.0	0	76-121	1j, L0
2-Chlorotoluene	ug/L	50	51.9	104	74-101	L0
2-Hexanone	ug/L	50	38.9	78	32-183	
4-Chlorotoluene	ug/L	50	50.4	101	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	45.7	91	69-132	
Acetone	ug/L	50	46.4	93	23-188	
Benzene	ug/L	50	54.7	109	73-119	
Bromobenzene	ug/L	50	50.0	100	72-102	
Bromochloromethane	ug/L	50	52.4	105	81-116	
Bromodichloromethane	ug/L	50	60.0	120	78-117	L0
Bromoform	ug/L	50	57.5	115	65-122	
Bromomethane	ug/L	50	36.3	73	52-147	
Carbon disulfide	ug/L	50	52.8	106	41-144	
Carbon tetrachloride	ug/L	50	55.5	111	59-120	
Chlorobenzene	ug/L	50	50.0	100	75-113	
Chloroethane	ug/L	50	48.9	98	49-151	
Chloroform	ug/L	50	57.0	114	72-122	
Chloromethane	ug/L	50	38.2	76	46-144	
cis-1,2-Dichloroethene	ug/L	50	56.4	113	72-121	
cis-1,3-Dichloropropene	ug/L	50	58.9	118	78-116	L0
Dibromochloromethane	ug/L	50	55.2	110	70-120	
Dibromomethane	ug/L	50	56.7	113	75-125	
Dichlorodifluoromethane	ug/L	50	30.2	60	22-154	
Ethylbenzene	ug/L	50	51.7	103	70-113	
Hexachloro-1,3-butadiene	ug/L	50	58.5	117	59-121	
Isopropylbenzene (Cumene)	ug/L	50	50.9	102	67-115	
m&p-Xylene	ug/L	100	103	103	72-115	
Methyl-tert-butyl ether	ug/L	50	56.2	112	72-131	
Methylene Chloride	ug/L	50	55.0	110	61-142	
n-Butylbenzene	ug/L	50	53.5	107	73-107	
n-Propylbenzene	ug/L	50	52.4	105	68-116	
Naphthalene	ug/L	50	50.1	100	70-118	
o-Xylene	ug/L	50	50.0	100	73-117	
p-Isopropyltoluene	ug/L	50	49.9	100	73-101	
sec-Butylbenzene	ug/L	50	52.0	104	72-103	L0

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QUALITY CONTROL DATA

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

LABORATORY CONTROL SAMPLE: 8621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/L	50	54.4	109	72-118	
tert-Butylbenzene	ug/L	50	49.7	99	68-100	
Tetrachloroethene	ug/L	50	50.2	100	60-128	
Toluene	ug/L	50	55.2	110	72-119	
trans-1,2-Dichloroethene	ug/L	50	56.3	113	56-142	
trans-1,3-Dichloropropene	ug/L	50	51.1	102	79-116	
Trichloroethene	ug/L	50	58.4	117	69-117	
Trichlorofluoromethane	ug/L	50	51.3	103	27-173	
Vinyl acetate	ug/L	50	53.2	106	20-158	
Vinyl chloride	ug/L	50	44.9	90	43-143	
Xylene (Total)	ug/L	150	153	102	71-109	
1,2-Dichloroethane-d4 (S)	%			90	68-153	
4-Bromofluorobenzene (S)	%			109	79-124	
Toluene-d8 (S)	%			90	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 12196

12197

Parameter	Units	702098027 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	ND	250	250	242	253	97	101	74-113	5	
1,1,1-Trichloroethane	ug/L	ND	250	250	256	268	102	107	65-118	5	
1,1,2,2-Tetrachloroethane	ug/L	ND	250	250	245	264	98	106	74-121	7	
1,1,2-Trichloroethane	ug/L	ND	250	250	240	253	96	101	80-117	5	
1,1-Dichloroethane	ug/L	ND	250	250	243	253	97	101	83-151	4	
1,1-Dichloroethene	ug/L	ND	250	250	227	235	91	94	45-146	3	
1,1-Dichloropropene	ug/L	ND	250	250	256	266	102	107	59-127	4	
1,2,3-Trichlorobenzene	ug/L	<5.0	250	250	241	269	96	107	67-103	11	M1
1,2,3-Trichloropropane	ug/L	ND	250	250	238	258	95	103	71-123	8	
1,2,4-Trichlorobenzene	ug/L	<5.0	250	250	238	256	95	102	66-116	7	
1,2,4-Trimethylbenzene	ug/L	<5.0	250	250	251	262	101	105	68-116	4	
1,2-Dibromo-3-chloropropane	ug/L	ND	250	250	214	235	86	94	74-119	9	
1,2-Dibromoethane (EDB)	ug/L	ND	250	250	254	269	101	108	83-115	6	
1,2-Dichlorobenzene	ug/L	ND	250	250	247	258	99	103	74-113	4	
1,2-Dichloroethane	ug/L	ND	250	250	244	253	98	101	74-129	3	
1,2-Dichloropropane	ug/L	ND	250	250	243	255	97	102	75-117	5	
1,3,5-Trimethylbenzene	ug/L	<5.0	250	250	248	255	99	102	67-116	3	
1,3-Dichlorobenzene	ug/L	ND	250	250	245	255	98	102	71-112	4	
1,3-Dichloropropane	ug/L	ND	250	250	245	259	98	104	74-112	5	
1,4-Dichlorobenzene	ug/L	ND	250	250	239	252	96	101	71-113	5	
2,2-Dichloropropane	ug/L	ND	250	250	247	253	99	101	63-133	2	
2-Butanone (MEK)	ug/L	50.0	250	250	252	275	81	90	44-162	9	
2-Chloroethylvinyl ether	ug/L	<5.0	250	250	244	261	98	104	76-121	6	
2-Chlorotoluene	ug/L	<5.0	250	250	255	263	102	105	74-101	3	M0
2-Hexanone	ug/L	ND	250	250	183	206	73	82	32-183	12	
4-Chlorotoluene	ug/L	<5.0	250	250	248	257	99	103	74-101	4	M1

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QUALITY CONTROL DATA

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 12196 12197											
Parameter	Units	702098027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Methyl-2-pentanone (MIBK)	ug/L	32.1	250	250	208	227	70	78	69-132	9	
Acetone	ug/L	383	250	250	555	579	69	78	23-188	4	
Benzene	ug/L	ND	250	250	254	262	98	102	73-119	3	
Bromobenzene	ug/L	<5.0	250	250	243	254	97	102	72-102	5	
Bromochloromethane	ug/L	ND	250	250	222	232	89	93	81-116	4	
Bromodichloromethane	ug/L	ND	250	250	258	270	103	108	78-117	5	
Bromoform	ug/L	ND	250	250	253	271	101	108	65-122	7	
Bromomethane	ug/L	ND	250	250	137	160	55	64	52-147	15	
Carbon disulfide	ug/L	ND	250	250	240	247	96	99	41-144	3	
Carbon tetrachloride	ug/L	ND	250	250	257	265	103	106	59-120	3	
Chlorobenzene	ug/L	ND	250	250	235	244	94	98	75-113	4	
Chloroethane	ug/L	ND	250	250	220	225	88	90	49-151	2	
Chloroform	ug/L	ND	250	250	246	256	98	102	72-122	4	
Chloromethane	ug/L	ND	250	250	168	175	67	70	46-144	4	
cis-1,2-Dichloroethene	ug/L	ND	250	250	249	256	100	102	72-121	3	
cis-1,3-Dichloropropene	ug/L	ND	250	250	252	268	101	107	78-116	6	
Dibromochloromethane	ug/L	ND	250	250	251	266	100	106	70-120	6	
Dibromomethane	ug/L	ND	250	250	242	256	97	102	75-125	6	
Dichlorodifluoromethane	ug/L	ND	250	250	135	135	54	54	22-154	0	
Ethylbenzene	ug/L	ND	250	250	259	267	99	103	70-113	3	
Hexachloro-1,3-butadiene	ug/L	<5.0	250	250	281	310	112	124	59-121	10 M1	
Isopropylbenzene (Cumene)	ug/L	<5.0	250	250	258	266	103	106	67-115	3	
m&p-Xylene	ug/L	<10.0	500	500	492	508	97	100	72-115	3	
Methyl-tert-butyl ether	ug/L	24.1	250	250	257	272	93	99	72-131	6	
Methylene Chloride	ug/L	ND	250	250	238	246	95	98	61-142	3	
n-Butylbenzene	ug/L	<5.0	250	250	262	276	105	110	73-107	5 M1	
n-Propylbenzene	ug/L	<5.0	250	250	262	269	105	108	68-116	3	
Naphthalene	ug/L	44.9	250	250	307	332	105	115	70-118	8	
o-Xylene	ug/L	<5.0	250	250	239	248	96	99	73-117	4	
p-Isopropyltoluene	ug/L	<5.0	250	250	248	257	99	103	73-101	4 M1	
sec-Butylbenzene	ug/L	<5.0	250	250	258	268	103	107	72-103	3 M0	
Styrene	ug/L	ND	250	250	252	263	101	105	72-118	4	
tert-Butylbenzene	ug/L	<5.0	250	250	250	256	100	102	68-100	3 M1	
Tetrachloroethene	ug/L	ND	250	250	246	255	98	102	60-128	4	
Toluene	ug/L	ND	250	250	260	269	99	102	72-119	4	
trans-1,2-Dichloroethene	ug/L	ND	250	250	253	256	101	102	56-142	1	
trans-1,3-Dichloropropene	ug/L	ND	250	250	216	229	87	92	79-116	6	
Trichloroethene	ug/L	ND	250	250	274	283	109	113	69-117	3	
Trichlorofluoromethane	ug/L	ND	250	250	227	237	91	95	27-173	4	
Vinyl acetate	ug/L	ND	250	250	227	241	91	97	20-158	6	
Vinyl chloride	ug/L	ND	250	250	205	212	82	85	43-143	3	
Xylene (Total)	ug/L	ND	750	750	731	756	98	101	71-109	3	
1,2-Dichloroethane-d4 (S)	%						93	91	68-153		
4-Bromofluorobenzene (S)	%						97	97	79-124		
Toluene-d8 (S)	%						90	90	69-124		

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QUALITY CONTROL DATA

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

QC Batch: 2816

Analysis Method: EPA 8260C/5030C

QC Batch Method: EPA 8260C/5030C

Analysis Description: 8260 MSV

Associated Lab Samples: 702354003

METHOD BLANK: 14788

Matrix: Water

Associated Lab Samples: 702354003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	10/21/16 23:46	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	10/21/16 23:46	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	10/21/16 23:46	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	10/21/16 23:46	
1,1-Dichloroethane	ug/L	<1.0	1.0	10/21/16 23:46	
1,1-Dichloroethene	ug/L	<1.0	1.0	10/21/16 23:46	
1,1-Dichloropropene	ug/L	<1.0	1.0	10/21/16 23:46	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	10/21/16 23:46	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	10/21/16 23:46	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	10/21/16 23:46	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	10/21/16 23:46	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	10/21/16 23:46	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	10/21/16 23:46	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	10/21/16 23:46	
1,2-Dichloroethane	ug/L	<1.0	1.0	10/21/16 23:46	
1,2-Dichloropropane	ug/L	<1.0	1.0	10/21/16 23:46	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	10/21/16 23:46	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	10/21/16 23:46	
1,3-Dichloropropane	ug/L	<1.0	1.0	10/21/16 23:46	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	10/21/16 23:46	
2,2-Dichloropropane	ug/L	<1.0	1.0	10/21/16 23:46	
2-Butanone (MEK)	ug/L	<1.0	1.0	10/21/16 23:46	
2-Chloroethylvinyl ether	ug/L	<1.0	1.0	10/21/16 23:46	
2-Chlorotoluene	ug/L	<1.0	1.0	10/21/16 23:46	
2-Hexanone	ug/L	<1.0	1.0	10/21/16 23:46	
4-Chlorotoluene	ug/L	<1.0	1.0	10/21/16 23:46	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.0	1.0	10/21/16 23:46	
Acetone	ug/L	<5.0	5.0	10/21/16 23:46	
Benzene	ug/L	<1.0	1.0	10/21/16 23:46	
Bromobenzene	ug/L	<1.0	1.0	10/21/16 23:46	
Bromochloromethane	ug/L	<1.0	1.0	10/21/16 23:46	
Bromodichloromethane	ug/L	<1.0	1.0	10/21/16 23:46	
Bromoform	ug/L	<1.0	1.0	10/21/16 23:46	
Bromomethane	ug/L	<1.0	1.0	10/21/16 23:46	
Carbon disulfide	ug/L	<1.0	1.0	10/21/16 23:46	
Carbon tetrachloride	ug/L	<1.0	1.0	10/21/16 23:46	
Chlorobenzene	ug/L	<1.0	1.0	10/21/16 23:46	
Chloroethane	ug/L	<1.0	1.0	10/21/16 23:46	
Chloroform	ug/L	<1.0	1.0	10/21/16 23:46	
Chloromethane	ug/L	<1.0	1.0	10/21/16 23:46	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	10/21/16 23:46	

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QUALITY CONTROL DATA

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

METHOD BLANK: 14788

Matrix: Water

Associated Lab Samples: 702354003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	10/21/16 23:46	
Dibromochloromethane	ug/L	<1.0	1.0	10/21/16 23:46	
Dibromomethane	ug/L	<1.0	1.0	10/21/16 23:46	
Dichlorodifluoromethane	ug/L	<1.0	1.0	10/21/16 23:46	
Ethylbenzene	ug/L	<1.0	1.0	10/21/16 23:46	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	10/21/16 23:46	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	10/21/16 23:46	
m&p-Xylene	ug/L	<2.0	2.0	10/21/16 23:46	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	10/21/16 23:46	
Methylene Chloride	ug/L	<1.0	1.0	10/21/16 23:46	
n-Butylbenzene	ug/L	<1.0	1.0	10/21/16 23:46	
n-Propylbenzene	ug/L	<1.0	1.0	10/21/16 23:46	
Naphthalene	ug/L	<1.0	1.0	10/21/16 23:46	
o-Xylene	ug/L	<1.0	1.0	10/21/16 23:46	
p-Isopropyltoluene	ug/L	<1.0	1.0	10/21/16 23:46	
sec-Butylbenzene	ug/L	<1.0	1.0	10/21/16 23:46	
Styrene	ug/L	<1.0	1.0	10/21/16 23:46	
tert-Butylbenzene	ug/L	<1.0	1.0	10/21/16 23:46	
Tetrachloroethene	ug/L	<1.0	1.0	10/21/16 23:46	
Toluene	ug/L	<1.0	1.0	10/21/16 23:46	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	10/21/16 23:46	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	10/21/16 23:46	
Trichloroethene	ug/L	<1.0	1.0	10/21/16 23:46	
Trichlorofluoromethane	ug/L	<1.0	1.0	10/21/16 23:46	
Vinyl acetate	ug/L	<1.0	1.0	10/21/16 23:46	
Vinyl chloride	ug/L	<1.0	1.0	10/21/16 23:46	
Xylene (Total)	ug/L	<1.0	1.0	10/21/16 23:46	
1,2-Dichloroethane-d4 (S)	%	94	68-153	10/21/16 23:46	
4-Bromofluorobenzene (S)	%	92	79-124	10/21/16 23:46	
Toluene-d8 (S)	%	91	69-124	10/21/16 23:46	

LABORATORY CONTROL SAMPLE: 14789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.3	99	74-113	
1,1,1-Trichloroethane	ug/L	50	47.1	94	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	55.4	111	74-121	
1,1,2-Trichloroethane	ug/L	50	50.2	100	80-117	
1,1-Dichloroethane	ug/L	50	46.9	94	83-151	
1,1-Dichloroethene	ug/L	50	40.3	81	45-146	
1,1-Dichloropropene	ug/L	50	46.9	94	59-127	
1,2,3-Trichlorobenzene	ug/L	50	47.4	95	67-103	
1,2,3-Trichloropropane	ug/L	50	55.3	111	71-123	
1,2,4-Trichlorobenzene	ug/L	50	46.4	93	66-116	

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QUALITY CONTROL DATA

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

LABORATORY CONTROL SAMPLE: 14789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	50.2	100	68-116	
1,2-Dibromo-3-chloropropane	ug/L	50	46.5	93	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	53.1	106	83-115	
1,2-Dichlorobenzene	ug/L	50	50.8	102	74-113	
1,2-Dichloroethane	ug/L	50	51.0	102	74-129	
1,2-Dichloropropane	ug/L	50	48.5	97	75-117	
1,3,5-Trimethylbenzene	ug/L	50	49.9	100	67-116	
1,3-Dichlorobenzene	ug/L	50	50.1	100	71-112	
1,3-Dichloropropane	ug/L	50	53.7	107	74-112	
1,4-Dichlorobenzene	ug/L	50	49.7	99	71-113	
2,2-Dichloropropane	ug/L	50	43.9	88	63-133	
2-Butanone (MEK)	ug/L	50	44.4	89	44-162	
2-Chloroethylvinyl ether	ug/L	50	53.0	106	76-121	
2-Chlorotoluene	ug/L	50	51.9	104	74-101	L0
2-Hexanone	ug/L	50	39.0	78	32-183	
4-Chlorotoluene	ug/L	50	50.4	101	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	42.0	84	69-132	
Acetone	ug/L	50	42.8	86	23-188	
Benzene	ug/L	50	47.7	95	73-119	
Bromobenzene	ug/L	50	51.4	103	72-102	L0
Bromochloromethane	ug/L	50	46.4	93	81-116	
Bromodichloromethane	ug/L	50	52.1	104	78-117	
Bromoform	ug/L	50	55.3	111	65-122	
Bromomethane	ug/L	50	31.4	63	52-147	
Carbon disulfide	ug/L	50	42.7	85	41-144	
Carbon tetrachloride	ug/L	50	46.1	92	59-120	
Chlorobenzene	ug/L	50	47.2	94	75-113	
Chloroethane	ug/L	50	40.2	80	49-151	
Chloroform	ug/L	50	49.2	98	72-122	
Chloromethane	ug/L	50	30.2	60	46-144	
cis-1,2-Dichloroethene	ug/L	50	48.8	98	72-121	
cis-1,3-Dichloropropene	ug/L	50	50.7	101	78-116	
Dibromochloromethane	ug/L	50	54.3	109	70-120	
Dibromomethane	ug/L	50	51.5	103	75-125	
Dichlorodifluoromethane	ug/L	50	24.7	49	22-154	
Ethylbenzene	ug/L	50	49.1	98	70-113	
Hexachloro-1,3-butadiene	ug/L	50	52.6	105	59-121	
Isopropylbenzene (Cumene)	ug/L	50	50.9	102	67-115	
m&p-Xylene	ug/L	100	97.4	97	72-115	
Methyl-tert-butyl ether	ug/L	50	49.5	99	72-131	
Methylene Chloride	ug/L	50	47.8	96	61-142	
n-Butylbenzene	ug/L	50	50.7	101	73-107	
n-Propylbenzene	ug/L	50	52.1	104	68-116	
Naphthalene	ug/L	50	52.1	104	70-118	
o-Xylene	ug/L	50	47.4	95	73-117	
p-Isopropyltoluene	ug/L	50	48.4	97	73-101	
sec-Butylbenzene	ug/L	50	50.2	100	72-103	

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QUALITY CONTROL DATA

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

LABORATORY CONTROL SAMPLE: 14789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/L	50	51.6	103	72-118	
tert-Butylbenzene	ug/L	50	49.0	98	68-100	
Tetrachloroethene	ug/L	50	50.7	101	60-128	
Toluene	ug/L	50	47.8	96	72-119	
trans-1,2-Dichloroethene	ug/L	50	48.1	96	56-142	
trans-1,3-Dichloropropene	ug/L	50	44.7	89	79-116	
Trichloroethene	ug/L	50	50.4	101	69-117	
Trichlorofluoromethane	ug/L	50	40.2	80	27-173	
Vinyl acetate	ug/L	50	48.2	96	20-158	
Vinyl chloride	ug/L	50	35.8	72	43-143	
Xylene (Total)	ug/L	150	145	96	71-109	
1,2-Dichloroethane-d4 (S)	%			93	68-153	
4-Bromofluorobenzene (S)	%			94	79-124	
Toluene-d8 (S)	%			91	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 14795

14796

Parameter	Units	702354003 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	<5.0	250	250	232	266	93	106	74-113	14	
1,1,1-Trichloroethane	ug/L	<5.0	250	250	247	266	99	106	65-118	7	
1,1,2,2-Tetrachloroethane	ug/L	<5.0	250	250	253	286	101	114	74-121	12	
1,1,2-Trichloroethane	ug/L	<5.0	250	250	234	269	94	107	80-117	14	
1,1-Dichloroethane	ug/L	<5.0	250	250	246	268	98	107	83-151	8	
1,1-Dichloroethene	ug/L	<5.0	250	250	226	232	90	93	45-146	3	
1,1-Dichloropropene	ug/L	<5.0	250	250	240	266	96	106	59-127	10	
1,2,3-Trichlorobenzene	ug/L	<5.0	250	250	173	213	69	85	67-103	21	R1
1,2,3-Trichloropropane	ug/L	<5.0	250	250	246	277	99	111	71-123	12	
1,2,4-Trichlorobenzene	ug/L	<5.0	250	250	169	202	68	81	66-116	18	
1,2,4-Trimethylbenzene	ug/L	<5.0	250	250	199	231	79	92	68-116	15	
1,2-Dibromo-3-chloropropane	ug/L	<5.0	250	250	211	238	84	95	74-119	12	
1,2-Dibromoethane (EDB)	ug/L	<5.0	250	250	252	280	101	112	83-115	11	
1,2-Dichlorobenzene	ug/L	<5.0	250	250	213	249	85	100	74-113	16	
1,2-Dichloroethane	ug/L	<5.0	250	250	239	266	96	106	74-129	11	
1,2-Dichloropropane	ug/L	<5.0	250	250	237	268	95	107	75-117	12	
1,3,5-Trimethylbenzene	ug/L	<5.0	250	250	194	223	78	89	67-116	14	
1,3-Dichlorobenzene	ug/L	<5.0	250	250	207	238	83	95	71-112	14	
1,3-Dichloropropane	ug/L	<5.0	250	250	250	280	100	112	74-112	11	
1,4-Dichlorobenzene	ug/L	<5.0	250	250	204	238	82	95	71-113	15	
2,2-Dichloropropane	ug/L	<5.0	250	250	232	255	93	102	63-133	9	
2-Butanone (MEK)	ug/L	<5.0	250	250	198	225	79	90	44-162	13	
2-Chloroethylvinyl ether	ug/L	<5.0	250	250	<5.0	<5.0	0	0	76-121		M1
2-Chlorotoluene	ug/L	<5.0	250	250	214	251	86	101	74-101	16	
2-Hexanone	ug/L	<5.0	250	250	171	203	68	81	32-183	17	
4-Chlorotoluene	ug/L	<5.0	250	250	215	247	86	99	74-101	14	

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QUALITY CONTROL DATA

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 14795 14796											
Parameter	Units	702354003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	250	250	191	217	77	87	69-132	13	
Acetone	ug/L	44.1	250	250	223	250	72	82	23-188	11	
Benzene	ug/L	<5.0	250	250	246	267	98	107	73-119	8	
Bromobenzene	ug/L	<5.0	250	250	234	266	93	106	72-102	13	M0
Bromochloromethane	ug/L	<5.0	250	250	228	250	91	100	81-116	9	
Bromodichloromethane	ug/L	<5.0	250	250	252	284	101	113	78-117	12	
Bromoform	ug/L	<5.0	250	250	251	289	100	115	65-122	14	
Bromomethane	ug/L	<5.0	250	250	164	195	66	78	52-147	17	
Carbon disulfide	ug/L	<5.0	250	250	232	249	93	100	41-144	7	
Carbon tetrachloride	ug/L	<5.0	250	250	236	261	95	104	59-120	10	
Chlorobenzene	ug/L	<5.0	250	250	225	254	90	102	75-113	12	
Chloroethane	ug/L	<5.0	250	250	217	229	87	92	49-151	6	
Chloroform	ug/L	<5.0	250	250	249	273	100	109	72-122	9	
Chloromethane	ug/L	11.7	250	250	173	183	65	69	46-144	6	
cis-1,2-Dichloroethene	ug/L	<5.0	250	250	249	272	100	109	72-121	9	
cis-1,3-Dichloropropene	ug/L	<5.0	250	250	246	278	98	111	78-116	12	
Dibromochloromethane	ug/L	<5.0	250	250	253	286	101	114	70-120	12	
Dibromomethane	ug/L	<5.0	250	250	243	271	97	109	75-125	11	
Dichlorodifluoromethane	ug/L	<5.0	250	250	127	129	51	51	22-154	2	
Ethylbenzene	ug/L	<5.0	250	250	221	251	88	101	70-113	13	
Hexachloro-1,3-butadiene	ug/L	<5.0	250	250	180	197	72	79	59-121	9	
Isopropylbenzene (Cumene)	ug/L	75.9	250	250	263	278	75	81	67-115	6	
m&p-Xylene	ug/L	<10.0	500	500	428	492	86	98	72-115	14	
Methyl-tert-butyl ether	ug/L	<5.0	250	250	232	258	93	103	72-131	11	
Methylene Chloride	ug/L	<5.0	250	250	235	256	94	103	61-142	9	
n-Butylbenzene	ug/L	33.7	250	250	208	221	70	75	73-107	6	M1
n-Propylbenzene	ug/L	112	250	250	289	296	71	74	68-116	2	
Naphthalene	ug/L	<5.0	250	250	210	268	84	107	70-118	24	R1
o-Xylene	ug/L	<5.0	250	250	211	242	84	97	73-117	14	
p-Isopropyltoluene	ug/L	10.8	250	250	174	199	65	75	73-101	13	M1
sec-Butylbenzene	ug/L	46.5	250	250	218	229	69	73	72-103	5	M1
Styrene	ug/L	<5.0	250	250	234	270	94	108	72-118	14	
tert-Butylbenzene	ug/L	<5.0	250	250	185	211	74	84	68-100	13	
Tetrachloroethene	ug/L	<5.0	250	250	211	242	85	97	60-128	13	
Toluene	ug/L	<5.0	250	250	233	261	93	104	72-119	11	
trans-1,2-Dichloroethene	ug/L	<5.0	250	250	257	280	103	112	56-142	9	
trans-1,3-Dichloropropene	ug/L	<5.0	250	250	212	237	85	95	79-116	11	
Trichloroethene	ug/L	5.3	250	250	261	282	102	111	69-117	8	
Trichlorofluoromethane	ug/L	<5.0	250	250	217	232	87	93	27-173	7	
Vinyl acetate	ug/L	<5.0	250	250	213	241	85	96	20-158	12	
Vinyl chloride	ug/L	<5.0	250	250	195	210	78	84	43-143	8	
Xylene (Total)	ug/L	<5.0	750	750	639	734	85	98	71-109	14	
1,2-Dichloroethane-d4 (S)	%						90	90	68-153		
4-Bromofluorobenzene (S)	%						94	93	79-124		
Toluene-d8 (S)	%						90	89	69-124		

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QUALITY CONTROL DATA

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

SAMPLE DUPLICATE: 14934

Parameter	Units	702508016 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	<1.0		
1,1,1-Trichloroethane	ug/L	ND	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	ND	<1.0		
1,1,2-Trichloroethane	ug/L	ND	<1.0		
1,1-Dichloroethane	ug/L	ND	<1.0		
1,1-Dichloroethene	ug/L	ND	<1.0		
1,1-Dichloropropene	ug/L	ND	<1.0		
1,2,3-Trichlorobenzene	ug/L	ND	<1.0		
1,2,3-Trichloropropane	ug/L	ND	<1.0		
1,2,4-Trichlorobenzene	ug/L	ND	<1.0		
1,2,4-Trimethylbenzene	ug/L	ND	<1.0		
1,2-Dibromo-3-chloropropane	ug/L	ND	<1.0		
1,2-Dibromoethane (EDB)	ug/L	ND	<1.0		
1,2-Dichlorobenzene	ug/L	ND	<1.0		
1,2-Dichloroethane	ug/L	ND	<1.0		
1,2-Dichloropropane	ug/L	ND	<1.0		
1,3,5-Trimethylbenzene	ug/L	ND	<1.0		
1,3-Dichlorobenzene	ug/L	ND	<1.0		
1,3-Dichloropropane	ug/L	ND	<1.0		
1,4-Dichlorobenzene	ug/L	ND	<1.0		
2,2-Dichloropropane	ug/L	ND	<1.0		
2-Butanone (MEK)	ug/L	ND	<1.0		
2-Chloroethylvinyl ether	ug/L	ND	<1.0		
2-Chlorotoluene	ug/L	ND	<1.0		
2-Hexanone	ug/L	ND	<1.0		
4-Chlorotoluene	ug/L	ND	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	<1.0		
Acetone	ug/L	1.6J	<5.0		
Benzene	ug/L	ND	<1.0		
Bromobenzene	ug/L	ND	<1.0		
Bromochloromethane	ug/L	ND	<1.0		
Bromodichloromethane	ug/L	ND	<1.0		
Bromoform	ug/L	ND	<1.0		
Bromomethane	ug/L	ND	<1.0		
Carbon disulfide	ug/L	ND	<1.0		
Carbon tetrachloride	ug/L	ND	<1.0		
Chlorobenzene	ug/L	ND	<1.0		
Chloroethane	ug/L	ND	<1.0		
Chloroform	ug/L	ND	<1.0		
Chloromethane	ug/L	ND	<1.0		
cis-1,2-Dichloroethene	ug/L	ND	<1.0		
cis-1,3-Dichloropropene	ug/L	ND	<1.0		
Dibromochloromethane	ug/L	ND	<1.0		
Dibromomethane	ug/L	ND	<1.0		
Dichlorodifluoromethane	ug/L	ND	<1.0		
Ethylbenzene	ug/L	ND	<1.0		
Hexachloro-1,3-butadiene	ug/L	ND	<1.0		

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QUALITY CONTROL DATA

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

SAMPLE DUPLICATE: 14934

Parameter	Units	702508016 Result	Dup Result	RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	<1.0		
m&p-Xylene	ug/L	ND	<2.0		
Methyl-tert-butyl ether	ug/L	ND	<1.0		
Methylene Chloride	ug/L	ND	<1.0		
n-Butylbenzene	ug/L	ND	<1.0		
n-Propylbenzene	ug/L	ND	<1.0		
Naphthalene	ug/L	ND	<1.0		
o-Xylene	ug/L	ND	<1.0		
p-Isopropyltoluene	ug/L	ND	<1.0		
sec-Butylbenzene	ug/L	ND	<1.0		
Styrene	ug/L	ND	<1.0		
tert-Butylbenzene	ug/L	ND	<1.0		
Tetrachloroethene	ug/L	ND	<1.0		
Toluene	ug/L	ND	<1.0		
trans-1,2-Dichloroethene	ug/L	ND	<1.0		
trans-1,3-Dichloropropene	ug/L	ND	<1.0		
Trichloroethene	ug/L	22.2	19.2	14	
Trichlorofluoromethane	ug/L	ND	<1.0		
Vinyl acetate	ug/L	ND	<1.0		
Vinyl chloride	ug/L	ND	<1.0		
Xylene (Total)	ug/L	ND	<1.0		
1,2-Dichloroethane-d4 (S)	%.	95	94	1	
4-Bromofluorobenzene (S)	%.	94	92	2	
Toluene-d8 (S)	%.	90	91	1	

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QUALIFIERS

Project: 16100287 - B&L ALCO STD
Pace Project No.: 702354

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.

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.

ANALYTE QUALIFIERS

- 1j Analyte not reportable due to acid preservation.
- L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- 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.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- 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.
- R1 RPD value was outside control limits.
- c2 Acid preservation may not be appropriate for the analysis of 2-Chloroethylvinyl ether.

REPORT OF LABORATORY ANALYSIS

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Date: 11/07/2016 01:44 PM

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 16100287 - B&L ALCO STD

Pace Project No.: 702354

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
702354001	MW-71	EPA 8260C/5030C	1411		
702354002	MW-72	EPA 8260C/5030C	1411		
702354003	MW-73	EPA 8260C/5030C	2816		
702354004	DUP-X	EPA 8260C/5030C	1411		

REPORT OF LABORATORY ANALYSIS

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Date: 11/07/2016 01:44 PM

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Sample Condition Upon Receipt

CLIENT NAME: 3 rL

PROJECT: ALCO

COURIER: FedEx ☐ UPS ☐ Client ☒ Pace ☐ Other ☐
TRACKING # N/A
PACKING MATERIAL: Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other ☐
THERMOMETER USED: #164 ☐ IR Gun 03 ☒ #160239773 ☐ #160239773-PRB ☐
BIOLOGICAL TISSUE IS FROZEN: Yes ☐ No ☐ N/A ☒

CUSTODY SEAL PRESENT: Yes ☐ No ☒
INTACT: Yes ☐ No ☐
ICE USED: Wet ☒ Blue ☐ None ☐
COOLER TEMPERATURE (°C): 3.7

COMMENTS:

Temperature is Acceptable? ☒ Yes ☐ No

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3.
Sampler Name / Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.
- Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12.
- Includes date/time/ID/Analysis			
All containers needing preservation have been checked:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	13.
All containers needing preservation are in compliance with EPA recommendation:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
- Exceptions that are not checked: TOC, VOA, Subcontract Analyses			
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	15.
Trip Blank Custody Seals Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Pace Trip Blank Lot #: <u>101216-0830-7B</u>			

Initial when completed: N/A Lot # of added preservative: N/A

Sample Receipt form filled in: _____

Line-Out (Includes Copying Shipping Documents and verifying sample pH): Don 10/17/16
Log In (Includes notifying PM of any discrepancies and documenting in LIMS): ASB 10/15/16
Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook): CTV 10/17/16

Sample Condition Upon Receipt

WO#: 702354

Client Name: PACENY

PM: CNP Due Date: 10/24/16
CLIENT: PACE-NY

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

Tracking #: 7062 9875 3678

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

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used: TH077 TH078 Type of Ice: Wet Blue None ☒ Samples on ice, cooling process has begun

Cooler Temperature: 3.9°C

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: MS 10/18/16

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix <u>SLWT OIL</u>		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Initial when completed:
		Lot # of added preservative:
Exceptions: <u>VOA</u> micro, TOC, O&G		Date and Time preservative added:
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

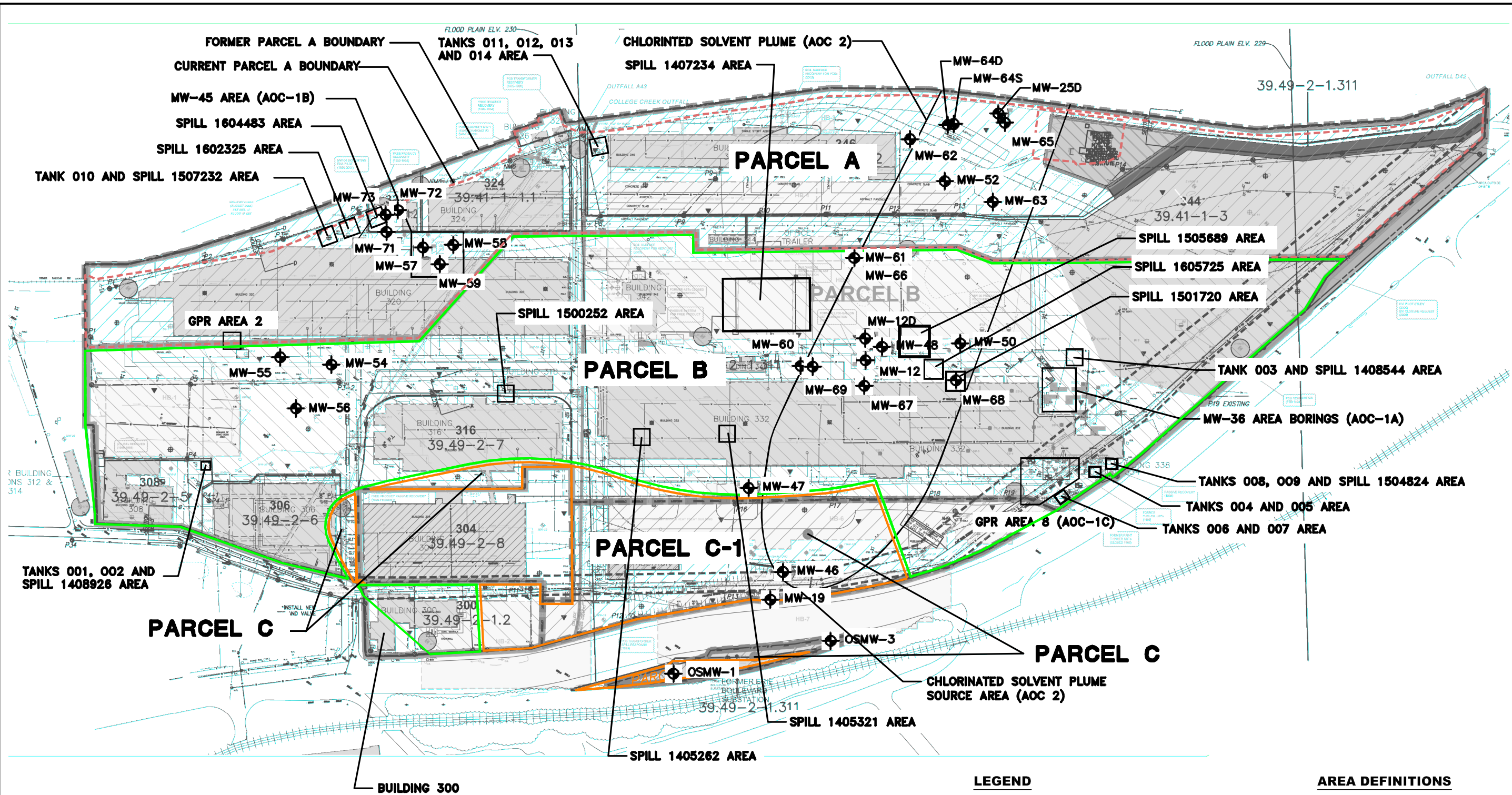
Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Plotted: Dec 05, 2016 — 2:13PM
Z: \\BL-Vault\\D2\\18217AD2-1C71-4823-8927-99D5C4054147\\O\\1082000-1082999\\1082467\\L\\SMP and FER Figures (ID 1082467)\\1368001_SMP Figure 2.dwg
SYR By: jdh



MAP REFERENCE:

- 1) "SURVEY OF LANDS, ALCO LOCOMOTIVE, INC., CITY OF SCHENECTADY, COUNTY OF SCHENECTADY", DATED MARCH 1970, AS PREPARED BY C.T. MALE ASSOCIATES.
- 2) "A SUBDIVISION OF A PORTION OF LANDS OF SCHENECTADY INDUSTRIAL CORPORATION", DATED JUNE 30, 1988, AS PREPARED BY THE ENVIRONMENTAL DESIGN PARTNERSHIP.
- 3) "SITE PLAN, PROPOSED C & D RECYCLING FACILITY, NOTT STREET INDUSTRIAL PARK", DATED FEBRUARY 1995, AS PREPARED BY INGALLS SMART ASSOCIATES.

SOURCE:

- 1) ABD ENGINEERS AND SURVEYORS FEBRUARY 1988, REVISED NOVEMBER 1999.
- 2) HISTORIC BUILDING (HB) LOCATIONS BASED ON A "FUEL OIL PIPING" PLAN, PREPARED FOR AMERICAN LOCOMOTIVE CO., REVISED AUGUST 22, 1995.

LEGEND

—	PROPERTY BOUNDARY	OW-2	MONITORING WELL (MW)
■	BCP SITE BOUNDARY	TMW-6	TEMPORARY MONITORING WELL (TMW)
○	MANHOLE WITH DRAINAGE STRUCTURE NUMBER	RW-01	RECOVERY WELL
○	CATCH BASIN WITH DRAINAGE STRUCTURE NUMBER	P-2	PIEZOMETER
○	LIFT STATION WITH DRAINAGE STRUCTURE NUMBER	DB-18	GEOPROBE BORING
○	MANHOLE (M.H.)	SS-5	SURFACE SOIL SAMPLE LOCATION (SS)
○	CATCH BASIN (C.B.)	SB-2	SOIL BORING LOCATION
⊕	MW-63 MONITORING WELL		

AREA DEFINITIONS

■	BUILDINGS/STRUCTURES
■	FORMER BUILDINGS (PREVIOUSLY DEMOLISHED)
■	"EVI" PARCEL
■	"RPI" PARCEL
■	OTHER PROPERTIES NO PART OF SITE
□	REMEDATION AREA
□	FORMER UST/AST LOCATIONS

From: Nathan J. Shaffer
Sent: Thursday, February 16, 2017 5:29 PM
To: Strang, John (DEC) <john.strang@dec.ny.gov>
Cc: Ostrov, Rich (DEC) <rich.ostrov@dec.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Mustico, Richard X (DEC) <richard.mustico@dec.ny.gov>; Andrew Barber <ABarber@bartonandloguidice.com>; Rosemary J. McCormick <rmccormick@bartonandloguidice.com>
Subject: ALCO-Maxon Site C447042 - Parcel A - Spill #1604483 Monthly Report - December 2016

John,
As requested the following is the December, 2016 monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
December 2016

Date	Activity Description	Free Product Removed from MW-73 (gallons)
12/2/2016	Inspection	-
12/5/2016	Additional Remedial Injection Work, Inspection	-
12/6/2016	Additional Remedial Injection Work, Inspection	-
12/7/2016	Inspection, Absorbent pads	-
12/8/2016	Inspection, Absorbent pads, Adjusted Booms, Bailed MW-73	1.6
12/9/2016	Inspection, Absorbent pads, Adjusted Booms, Bailed MW-73	0.48
12/12/2016	Inspection, Bailed MW-73	0.32
12/14/2016	Inspection, Bailed MW-73	0.104
12/16/2016	Inspection, Absorbent pads, Bailed MW-73	0.008
12/20/2016	Inspection, Absorbent pads, Bailed MW-73	0.104
12/23/2016	Inspection, Absorbent pads, Bailed MW-73	0.096

During the inspection visits, adjustments were made to the booms for optimal containment and absorption of the residual sheen. In general, the sheen persisted behind the booms, but did not appear to visibly increase during the month of December; substantial sheens were not observed outside of the containment boom. The sheen was most prevalent in areas at the edge of the geosynthetic clay liner (which was installed during the injection work). New areas of riverbank seepage were not observed along the riverbank in the vicinity of the booms.

Site inspections for Spill 1604483 area will continue during the month of January, 2017; a minimum of two times a week or more frequently, as needed.

JANUARY 2017

As requested the following is the January 2017 monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
January 2017

Date	Activity Description	Free Product Removed from MW-73 (gallons)
1/6/17	Inspection, Bailed MW-73	0.08
1/9/17	Inspection, Bailed MW-73	0.28
1/17/17	Inspection, Bailed MW-73	0.2
1/20/17	Inspection, Bailed MW-73	0.048
1/23/17	Inspection, Bailed MW-73	0.072
1/26/17	Inspection, Bailed MW-73	0.08
1/30/17	Inspection, Bailed MW-73	0.064

During the inspection visits, adjustments were made to the booms for optimal containment and absorption of the residual sheen. In general, the sheen persisted behind the booms, but did not appear to visibly increase during the month of January; substantial sheens were not observed outside of the containment boom. The sheen was most prevalent in areas at the edge of the geosynthetic clay liner (which was installed during the injection work). New areas of riverbank seepage were not observed along the riverbank in the vicinity of the booms.

Site inspections for Spill 1604483 area will continue during the month of February 2017; a minimum of two times a week or more frequently, as needed.

FEBRUARY 2017

As requested the following is the February 2017 monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
February 2017

Date	Activity Description	Free Product Removed from MW-73 (gallons)
2/1/2017	Inspection, Bailed MW-73 – Removed all boom and pulled harbor boom on shore	0.048
2/6/2017	Inspection, Bailed MW-73	0.016
2/7/2017	Inspection, Bailed MW-73	0.08
2/15/2017	Inspection, Bailed MW-73	0.064
2/16/2017	Inspection, Bailed MW-73	0.08
2/22/2017	Inspection, Bailed MW-73	0.048
2/24/2017	Inspection, Bailed MW-73	0.096
2/27/2017	Inspection, Bailed MW-73	0.104
2/28/2017	Inspection, Bailed MW-73	0.064

During the first week of February, the containment booms were removed due to ice in the river.

Site inspections for Spill 1604483 area will continue during the month of March 2017; a minimum of two times a week or more frequently, as needed.

MARCH 2017

As requested the following is the March 2017 monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
March 2017

Date	Activity Description	Free Product Removed from MW-73 (gallons)
3/2/2017	Inspection, Bailed MW-73	0.096
3/8/2017	Inspection, Bailed MW-73	0.288
3/10/2017	Inspection, Bailed MW-73	0.08
3/28/2017	Inspection, Bailed MW-73	0.08
3/30/2017	Inspection, Bailed MW-73	0.048

In general, the sheen persisted but did not appear to visibly increase during the month of March. The sheen was most prevalent in areas at the edge of the geosynthetic clay liner (which was installed during the injection work). New areas of riverbank seepage were not observed along the riverbank.

Site inspections for Spill 1604483 area will continue during the month of April 2017; a minimum of two times a week or more frequently, as needed.

APRIL 2017

As requested the following is the April 2017 monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
April 2017

Date	Activity Description	Free Product Removed from MW-73 (gallons)
4/3/2017	Inspection, Bailed MW-73	0.096
4/7/2017	Mohawk Level above top of well	-
4/12/2017	Mohawk Level above top of well	-
4/14/2017	Inspection, Bailed MW-73	0.04
4/18/2017	Inspection	-

In general, the sheen persisted but did not appear to visibly increase during the month of April. The sheen was most prevalent in areas at the edge of the geosynthetic clay liner (which was installed during the injection work). New areas of riverbank seepage were not observed along the riverbank. High river levels made the well inaccessible during two inspections.

Site inspections for Spill 1604483 area will continue during the month of May 2017; a minimum of two times a week or more frequently, as needed.

MAY 2017

As requested the following is the May 2017 monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
May 2017

Date	Activity Description	Free Product Removed from MW-73 (gallons)
5/1/17	Inspection	-
5/12/17	Inspection, Bailed MW-73	0.128
5/17/17	Inspection	-
5/24/17	Inspection, Bailed MW-73	0.16
5/31/17	Inspection	-

In general, the sheen persisted but did not appear to visibly increase during the month of May although fluctuation was noted during periods of low water levels. The sheen was most prevalent in areas at the edge of the geosynthetic clay liner (which was installed during the injection work). New areas of riverbank seepage were not observed along the riverbank.

Site inspections for Spill 1604483 area will continue during the month of June 2017; a minimum of two times a week or more frequently, as needed.

JUNE 2017

As requested the following is the June 2017 monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
June 2017

Date	Activity Description	Free Product Removed from MW-73 (gallons)
6/2/2017	Inspection	0.013
6/9/17	Inspection, removed debris and straightened geomats	-
6/14/17	Inspection, bailed MW-73	0.013
6/16/17	Inspection, removed geomats and placed containment booms	-
6/21/17	Inspection, re-anchor containment boom	-
6/22/17	Inspection, add additional absorbent boom	-

The sheen was most prevalent in areas at the edge of the geosynthetic clay liner (which was installed during the injection work). The mats were removed on June 9th and booms placed. Immediately following the removal of the mats, an increase in sheen was noted (also attributable to low water levels). Once boom was secured, sheen remained contained behind the boom. New areas of riverbank seepage were not observed along the riverbank in the vicinity of the booms.

Site inspections for Spill 1604483 area will continue during the month of July 2017; a minimum of two times a week or more frequently, as needed.

July 2017

As requested the following is the July 2017 monthly report for spill 1604483:

**ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
July 2017**

Date	Activity Description	Free Product Removed from MW-73 (gallons)
7/5/17	Inspection, bailed MW-73	.192
7/6/17	Inspection, add additional 50' containment boom	-
7/7/17	Inspection, adjust containment booms, add absorbent boom	-
7/8/17	Adjust booms	-
7/9/17	Added 2x4 to hold out containment boom, adjusted booms	-
7/10/17	Adjust booms	-
7/11/17	Added and adjusted absorbent boom	-
7/14/17	Removed and replaced containment boom	-
7/19/17	Adjusted boom and replaced absorbent boom; river too low	-
7/20/17	Adjusted boom back in river	-
7/21/17	Adjusted containment and absorbent boom	-
7/24/17	Bailed MW-73, replaced bailer with 17 oz. capacity absorbent sock	.32
7/25/17	Adjusted containment and absorbent boom, replaced absorbent sock	.133
7/26/17	Adjusted containment and absorbent boom, replaced absorbent sock	.133
7/27/17	Adjusted containment and absorbent boom, replaced absorbent sock	.133
7/28/17	Adjusted containment and absorbent boom	.133
7/31/17	Adjusted containment and absorbent boom	-
8/1/17	Adjusted containment and absorbent boom	-

Water level fluctuations necessitate boom readjustment. Once boom was secured, sheen remained contained behind the boom. New areas of riverbank seepage were not observed along the riverbank in the vicinity of the booms.

On July 11, 2017, staff from Schenectady County noted product leaking from around the containment boom along with odor and alerted the NYSDEC. B&L responded by adding additional absorbent boom and readjusted the containment boom. NYSDEC documented.

On July 14th, the two 50' sections of yellow containment boom were replaced with one 100' section of black containment boom. On July 19th, the river levels were low and left the boom perched on the bank. The following day, July 20th, river levels returned.

On July 24th, the bailer was replaced with a 17 ounce capacity absorbent sock and will be replaced as needed.

Site inspections for Spill 1604483 area will continue during the month of August 2017; a minimum of two times a week or more frequently, as needed.

August 2017

As requested the following is the August 2017 monthly report for spill 1604483:

**ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
August 2017**

Date	Activity Description	Free Product Removed from MW-73 (gallons)
8/1/17	Inspection, Adjusted containment and absorbent boom	-
8/3/17	Inspection, Adjusted containment and absorbent boom	-
8/7/17	Inspection, Adjusted containment and absorbent boom	-
8/9/17	Inspection, Adjusted containment and absorbent boom	-
8/10/17	Inspection, Adjusted containment and absorbent boom	-
8/14/2017	Inspection, Adjusted containment and absorbent boom, replaced absorbent sock	.133
8/29/17- 9/1/17	Grout injection wall begun.	-

Water level fluctuations necessitate boom readjustment. Once boom was secured, sheen remained contained behind the boom. New areas of riverbank seepage were not observed along the riverbank in the vicinity of the booms.

Installation of the grout injection wall was started at the end of the month. During injections, sheen was noted to increase in the area of riverbank corresponding to the injection area. As this occurred, bags of charcoal were placed in these areas to help dissipate sheen and odor.

Site inspections for Spill 1604483 area will continue during the month of September 2017; a minimum of two times a week or more frequently, as needed.

September 2017

As requested the following is the September 2017 monthly report for spill 1604483:

**ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
September 2017**

Date	Activity Description	Free Product Removed from MW-73 (gallons)
9/1/17- 9/15/17	Injection grouting continued, Inspection, Adjusted containment and absorbent boom	-

Date	Activity Description	Free Product Removed from MW-73 (gallons)
9/26/17	Inspection, Adjusted containment and absorbent boom, changed absorbent sock in MW-73	.133
9/27/17	Inspection, Adjusted containment and absorbent boom	-

Water level fluctuations necessitate boom readjustment. Once boom was secured, sheen remained contained behind the boom. New areas of riverbank seepage were not observed along the riverbank in the vicinity of the booms.

Installation of the grout injection wall continued until mid-month when it was completed. During injections, sheen was noted to increase in the area of riverbank corresponding to the injection area. As this occurred, bags of charcoal were placed in these areas to help dissipate sheen and odor.

Site inspections for Spill 1604483 area will continue during the month of October 2017; a minimum of two times a week or more frequently, as needed.

October 2017

As requested the following is the October 2017 monthly report for spill 1604483:

ALCO-Maxon Site C447042 - Parcel A Spill #1604483 Monthly Report October 2017

Date	Activity Description	Free Product Removed from MW-73 (gallons)
10/5/17	Inspection, Adjusted containment and absorbent boom	-
10/12/17	Inspection, Adjusted containment and absorbent boom.	-
10/18/17-10/26/17	Recovery well drilling post grout injection work.	
10/26/17	Added carbon web mat to mitigate sheen along riverbank. Replaced MW-73 absorbent sock.	.133
10/31/17	Checked all new recovery wells for oil. None measured in new MW's.	-

Water level fluctuations necessitate boom readjustment. Once boom was secured, sheen remained contained behind the boom. New areas of riverbank seepage were not observed along the riverbank in the vicinity of the booms.

Recovery well drilling of 9 wells occurred between the 18th and the 26th. Original placement of wells was adjusted to avoid interference with grout injection wall. Wells were drilled to 20' depth with 10' of screen unless otherwise noted in recovery well report.

Site inspections for Spill 1604483 area will continue during the month of November 2017; a minimum of two times a week or more frequently, as needed.

November 2017

As requested the following is the November 2017 monthly report for spill 1604483:

**ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
November 2017**

Date	Activity Description	Free Product Removed from MW-73 (gallons)
11/1/17	Inspection, Adjusted containment and absorbent boom. Replaced MW-73 sock.	.133
11/2/17	Inspection, Adjusted containment and absorbent boom. New recovery wells checked – no reading on probe for all RW's except #2 (0.1' oil), but sheen noted at surface water on all wells.	-
11/6/17	Inspection, Adjusted containment and absorbent boom. Replaced MW-73 sock – oil color noted to be much lighter in color (less weathered).	.133
11/10/17	Inspection, Adjusted containment and absorbent boom. Checked absorbent sock in MW-73, ¼ full.	-
11/14/17	Inspection, Adjusted containment and absorbent boom. Replaced MW-73 sock – oil color still light tan. Checked all new recovery wells with interface probe. No oil readings, but sheen and odor noted on surface of well water.	.133
11/22/17	Inspection, Adjusted containment and absorbent boom. Absorbent sock in MW-73 checked – ¼ full.	-
11/27/17	Inspection, Adjusted containment and absorbent boom. Absorbent sock in MW-73 checked – ¾ full.	-

Water level fluctuations necessitate boom readjustment. Once boom was secured, sheen remained contained behind the boom. New areas of riverbank seepage were not observed along the riverbank in the vicinity of the booms.

It was noted the color of product in the absorbent sock in MW-73 has become a light tan color rather than the black degraded oil previously noted. The sock is also absorbing oil at a slower rate.

Site inspections for Spill 1604483 area will continue during the month of December 2017; a minimum of two times a week or more frequently, as needed.

December 2017

As requested the following is the December 2017 monthly report for spill 1604483:

**ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
December 2017**

Date	Activity Description	Free Product Removed from MW-73 (gallons)
12/1/17	Inspection, river levels dropped. Prepared absorbent boom for removal.	-
12/4/17	Inspection. Checked all new recovery wells for oil. None measured in new MW's.	-
12/7/17	Inspection, Adjusted containment and absorbent boom. Replaced MW-73 absorbent sock.	.133
12/9/17	Responded to NYSDEC Spill report, replaced containment and absorbent boom in river.	
12/13/17	Inspection, Adjusted containment and absorbent boom.	-
12/19/17	Inspection, Adjusted containment and absorbent boom.	-
12/21/17	Inspection.	-
12/26/17	Inspection. Replaced MW-73 absorbent sock.	.133
12/28/17	Inspection.	-

Water level fluctuations necessitate boom readjustment. Once boom was secured, sheen remained contained behind the boom. New areas of riverbank seepage were not observed along the riverbank in the vicinity of the booms.

River levels dropped to a low of 209.5 on November 30, 2017 and stayed consistently around 210 feet above mean sea level (amsl) due to the removal of flash boards at the Vischer Ferry Dam. In early December, the request was made to remove the boom from the river for the winter due to impending ice. Therefore, the boom was left in place as the river levels dropped.

On December 9, 2017, a spill was called in to NYSDEC. The sheen along the bank was visible and continued to College Creek. As a result, the boom was re-adjusted.

The river froze by 12/20/17, locking the boom into place.

Site inspections for Spill 1604483 area will continue during the month of January 2018; a minimum of two times a week or more frequently, as needed.

January 2018

As requested the following is the January monthly report for spill 1604483:

**ALCO-Maxon Site C447042 - Parcel A
Spill #1604483 Monthly Report
January 2018**

Date	Activity Description	Free Product Removed from MW-73 (gallons)
1/2/18	Inspection.	-
1/9/18	Inspection. Replaced MW-73 absorbent sock. Remains light tan color as reported in November. Slight sheen and odor noted in new wells, but not enough to collect.	.133
1/12/18	Mohawk River flood and ice jams.	-
1/13/18	Inspection. No changes.	-
1/23/18	Inspection. No changes.	-
1/29/18	Inspection. No changes.	-
2/2/18	Inspection. No changes.	-

Boom remains frozen in place.

On January 13th, the Mohawk River flooded and created an ice jam. The riverbank became unsafe to access from below, so visual inspections occur at the top of bank. The wells are unsafe to access at this time. No changes have been noted.

When the weather allows, absorbent socks will be placed in the new monitoring/recovery wells.

Site inspections for Spill 1604483 area will continue during the month of February 2018; a minimum of two times a week or more frequently, as needed.